ATLANTIC
Fluid Tech

GENERAL CATALOGUE ABSTRACT

Innovative & High Performance Hydraulics

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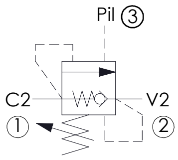
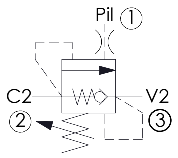
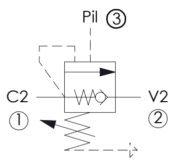
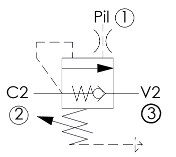
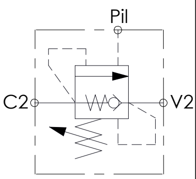
Product Catalogue

ATLANTIC
Fluid Tech

GENERAL INDEX

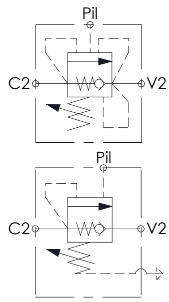
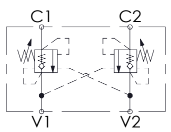
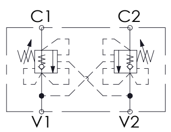
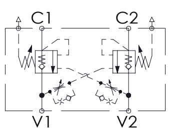
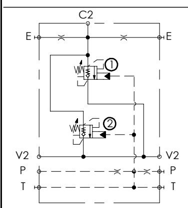
OVERCENTRE VALVES

ATLANTIC Fluid Tech

Hydraulic scheme	Valve description	Valve type	Rated flow (l/min)	Max. pressure (bar)	Installation	Main port size or cavity type	Page
	CBSN-030-PARH	Poppet type	30	350	Cartridge	SAE-08-3C	1.01.**010**
	CBSN-040-DCNH	Differential area	40	350	Cartridge	VP000174	1.01.**020**
	CBSN-060-DARH	Poppet type, differential area	60	350	Cartridge	SAE-10-3C	1.01.**030**
	CBSN-060-DSRH	Poppet type, differential area	60	350	Cartridge	VP000161 (T-11A)	1.01.**040**
	CBSN-060-DCNH	Differential area	60	350	Cartridge	VP000121	1.01.**050**
	CBSN-100-DCNH	Differential area	100	350	Cartridge	VP000120	1.01.**060**
	CBSN-120-DSRH	Poppet type, differential area	120	350	Cartridge	VP000165 (T-2A)	1.01.**070**
	CBSN-120-DAGH	Poppet type, differential area	120	350	Cartridge	SAE-12-3C	1.01.**080**
	CBSN-150-DCNH	Differential area	150	350	Cartridge	VP000128	1.01.**090**
	CBSN-240-DSGH	Poppet type, differential area	240	420	Cartridge	VP000166 (T-17A)	1.01.**100**
	CBSN-300-DCNH	Differential area	300	350	Cartridge	VP000127	1.01.**110**
	CBSN-320-DARH	Poppet type, differential area	320	420	Cartridge	SAE-20-3C	1.01.**120**
	CBST-030-PARH	Poppet type, fully compensated	30	350	Cartridge	SAE-08-3C	1.03.**130**
	CBST-040-DCNH	Differential area, relief and pilot compensated	40	350	Cartridge	VP000174	1.03.**140**
	CBST-100-DCNH	Differential area, relief and pilot compensated	100	350	Cartridge	VP000120	1.03.**150**
	CBST-150-DCNH	Differential area, relief and pilot compensated	150	350	Cartridge	VP000128	1.03.**160**
	CBST-300-DCNH	Differential area, relief and pilot compensated	300	350	Cartridge	VP000127	1.03.**170**
	MBSN-040-ALNP	Single acting	40	350	In line	G 1/4"	1.04.**180**
	MBSN-040-ZLNA	Single acting	40	350	In line	G 3/8"	1.04.**190**
	MBSN-040-AANP	Single acting,one flanged ports	40	350	In line	G 1/4"	1.04.**200**
	MBSN-040-ZDNA	Single acting,all flanged ports	40	350	In line	Ø 8	1.04.**210**
	MBSN-040-APNR	Single acting,banjo mounting	40	350	In line	G 3/8"	1.04.**220**
	MBSN-060-ALNR	Single acting	60	350	In line	G 3/8"	1.04.**230**
	MBSN-060-ALNE	Single acting	60	350	In line	G 3/8"	1.04.**240**
	MBSN-060-ZLSE	Single acting	60	350	In line	G1/2"	1.04.**250**
	MBSN-060-ALNE	Single acting	60	350	In line	G 1/2"	1.04.**260**
	MBSN-060-ZLNA	Single acting, in line ports	60	350	In line	G 1/2"	1.04.**270**
	MBSN-060-AANR	Single acting, one flanged port	60	350	Flanged	G 3/8"	1.04.**280**
	MBSN-060-AATV	Single acting, one flanged port	60	350	Flanged	G 3/8"	1.04.**290**
	MBSN-060-ABNP	Single acting, two flanged ports	60	350	Flanged	G 3/8"	1.04.**300**
	MBSN-060-ABNP	Single acting, two flanged ports	60	350	Flanged	G 1/2"	1.04.**310**
	MBSN-150-ALNV	Single acting	150	350	In line	G 1/2"	1.04.**320**
	MBSN-150-ALNV	Single acting	150	350	In line	G 3/4"	1.04.**330**
	MBSN-150-AANV	Single acting, one flanged port	150	350	Flanged	G 3/4"	1.04.**340**
	MBSN-150-ABNV	Single acting, two flanged ports	150	350	Flanged	G 1/2"	1.04.**350**
	MBSN-150-ABNV	Single acting, two flanged ports	150	350	Flanged	G 3/4"	1.04.**360**
	MBSN-300-ZLNP	Single acting	300	350	In line	G 1"	1.04.**370**

OVERCENTRE VALVES

ATLANTIC Fluid Tech

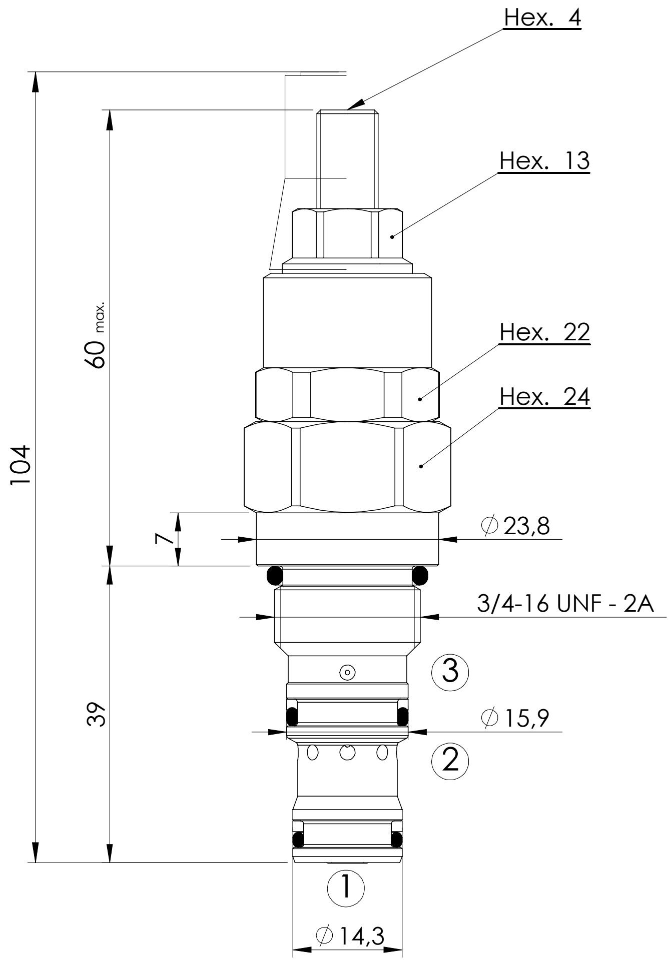
Hydraulic scheme	Valve description	Valve type	Rated flow (l/min)	Max. pressure (bar)	Installation	Main port size or cavity type	Page
	MBSP-060-ZLSE	Single acting,relief compensated	60	350	In line	G 3/8"	1.05.**380**
	MBSP-060-ALNP	Single acting,relief compensated	60	350	In line	G 3/8"	1.05.**390**
	MBSP-060-ALNE	Single acting,relief compensated	60	350	In line	G1/2"	1.05.**400**
	MBSP-060-ABNP	Single acting, two flanged ports,relief compens.	60	350	Flanged	G 3/8"	1.05.**410**
	MBSP-060-ABNP	Single acting, two flanged ports,relief compens.	60	350	Flanged	G 1/2"	1.05.**420**
	MBSP-150-ZLSE	Single acting	150	350	In line	G 3/4"	1.05.**430**
	MBST-150-AANV	Single acting, one flanged port, relief compens.	150	350	Flanged	G 3/4"	1.06.**440**
	MBST-150-ABNV	Single acting, two flanged ports, fully compens.	150	350	Flanged	G 1/2"	1.06.**450**
	MBST-150-ABNV	Single acting, two flanged ports, fully compens.	150	350	Flanged	G 3/4"	1.06.**460**
	MBDN-040-ALNP	Double acting	40	350	In line	G 1/4"	1.07.**470**
	MBDN-040-ALNR	Double acting	40	350	In line	G 1/4"	1.07.**480**
	MBDN-040-ZLNN	Double acting	40	350	In line	G 3/8"	1.07.**490**
	MBDN-040-AANR	Double acting, one flanged port	40	350	Flanged	G 1/4"	1.07.**500**
	MBDN-040-ABNP	Double acting, two flanged ports	40	350	Flanged	G 1/4"	1.07.**510**
	MBDN-040-ABNR	Double acting, two flanged ports	40	350	Flanged	G 1/4"	1.07.**520**
	MBDN-040-ABNV	Double acting, two flanged ports	40	350	Flanged	G 3/8"	1.07.**530**
	MBDN-040-ZBNN	Double acting, two flanged ports	40	350	Flanged	G 3/8"	1.07.**540**
	MBDN-040-ZDNA	Double acting, all flanged ports	40	350	Flanged	Ø 8	1.07.**550**
	MBDN-060-ALNR	Double acting	60	350	In line	G 3/8"	1.07.**560**
	MBDN-060-ALNR	Double acting	60	350	In line	G 1/2"	1.07.**570**
	MBDN-060-ZLDE	Double acting	60	350	In line	G 1/2"	1.07.**580**
	MBDN-060-AANR	Double acting, one flanged port	60	350	Flanged	G 3/8"	1.07.**590**
	MBDN-060-ABNR	Double acting, two flanged ports	60	350	Flanged	G 3/8"	1.07.**600**
	MBDN-060-ABNR	Double acting, two flanged ports	60	350	Flanged	G 1/2"	1.07.**610**
	MBDN-060-ZDNA	Double acting, all flanged ports	60	350	Flanged	Ø10	1.07.**620**
	MBDN-100-ALDE	Double acting	100	350	In line	G 1/2"	1.07.**630**
	MBDN-100-ABNR	Double acting, two flanged ports	100	350	Flanged	Ø9	1.07.**640**
	MBDN-150-ZLDE	Double acting	150	350	In line	G 3/4"	1.07.**650**
	MBDN-150-ZLNP	Double acting	150	350	In line	G 3/4"	1.07.**660**
	MBDN-150-ZBNV	Double acting, two flanged ports	150	350	Flanged	G 3/4"	1.07.**670**
	MBDN-300-ZLNR	Double acting	150	350	In line	G 1"	1.07.**680**
	MBDP-060-ALNR	Double acting, relief compensated	60	350	In line	G 3/8"	1.08.**690**
	MBDP-060-ALNR	Double acting, relief compensated	60	350	In line	G 1/2"	1.08.**700**
	MBDP-060-ZLDE	Double acting, relief compensated	60	350	In line	G 1/2"	1.08.**710**
	MBDP-150-ZLDE	Double acting, relief compensated	150	350	In line	G 3/4"	1.08.**720**
	MBDT-150-ZBNV	Double acting, two flanged ports, fully compens.	150	350	Flanged	G 3/4"	1.09.**730**
	MBDN-500-ABNR	Double acting	500	420	Flanged	1 1/4" SAE 6000	1.10.**740**
	MBDN-500-ABNR	Double acting	500	420	Flanged	1 1/4" SAE 6000	1.10.**750**

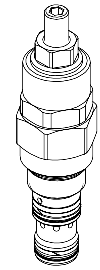
OVERCENTRE VALVE

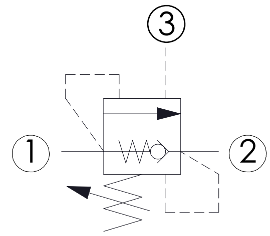
CBSN-030-PARH

POPPET TYPE

ATLANTIC Fluid Tech







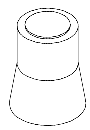
SPECIFICATIONS

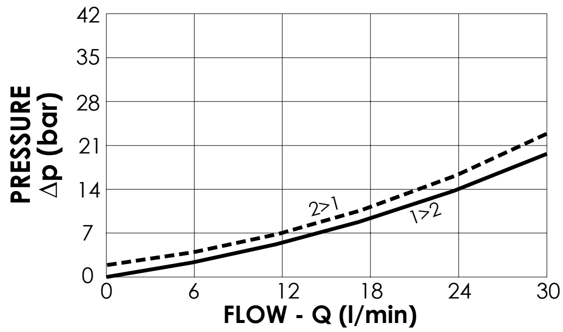
Max. operating pressure:	350 bar
Rated flow:	30 l/min
Cavity:	SAE-08-3C
Weight:	0,18 kg

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

Installation torque: 45 - 50 Nm

ORDERING CODES

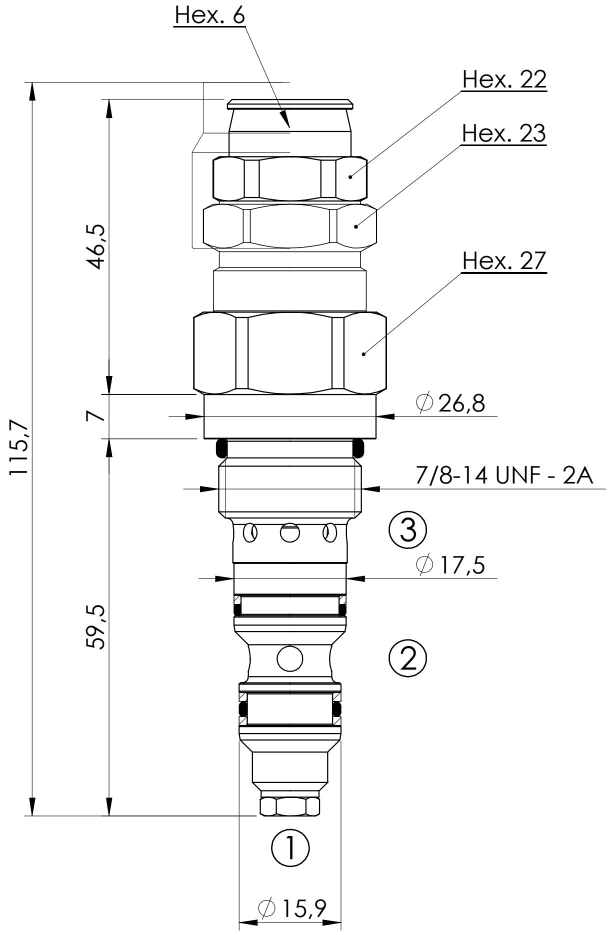
Quick code	Description	Pilot ratio	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
CB000007	CBSN-030-PARH-04-S08-N350	4:1	350	170 - 350	134
CB000023	CBSN-030-PARH-04-S08-N200	4:1	200	70-210	110

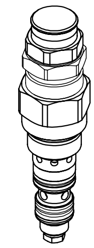
OVERCENTRE VALVE

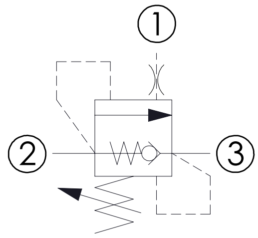
CBSN-040-DCNH

DIFFERENTIAL AREA

ATLANTIC Fluid Tech







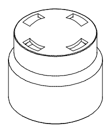
SPECIFICATIONS

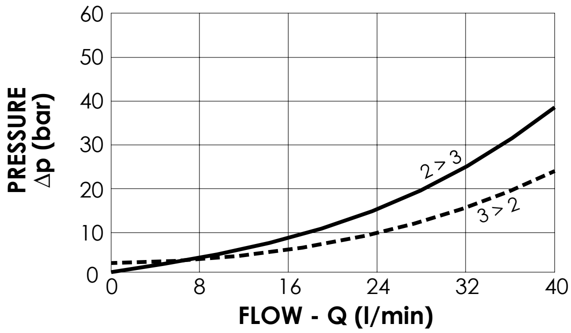
Max. operating pressure:	**350 bar**
Rated flow:	**40 l/min**
Cavity:	**VP000174**
Weight:	**0,26 kg**

SEALING CAP

Ordering code:

PT000258





NOTES

Setting: at least 1.3 times the load induced pressure

Installation torque:

ORDERING CODES

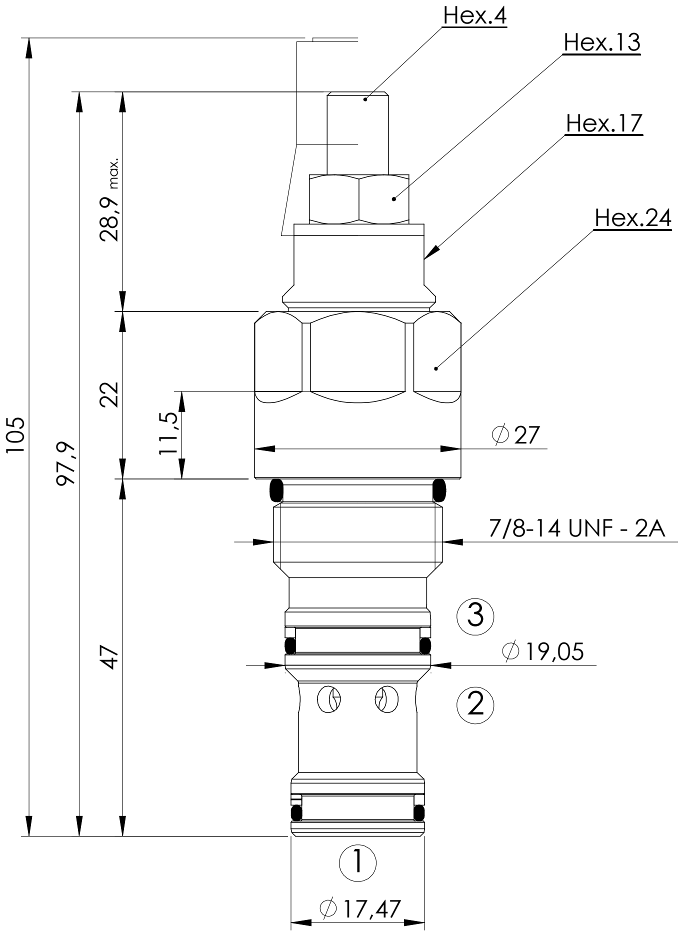
Quick code	Description	Pilot ratio	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
CB000016	CBSN-040-DCNH-04-174-N350	4,1:1	350	100-350	145

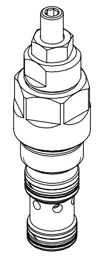
OVERCENTRE VALVE

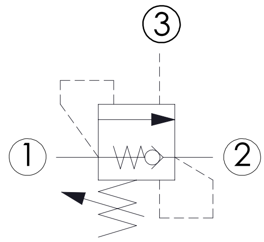
CBSN-060-DARH

POPPET TYPE
DIFFERENTIAL AREA

ATLANTIC Fluid Tech







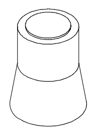
SPECIFICATIONS

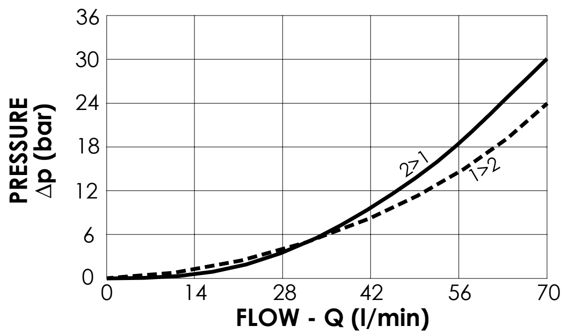
Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Cavity:	
Weight:	**0,2 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

Installation torque:

ORDERING CODES

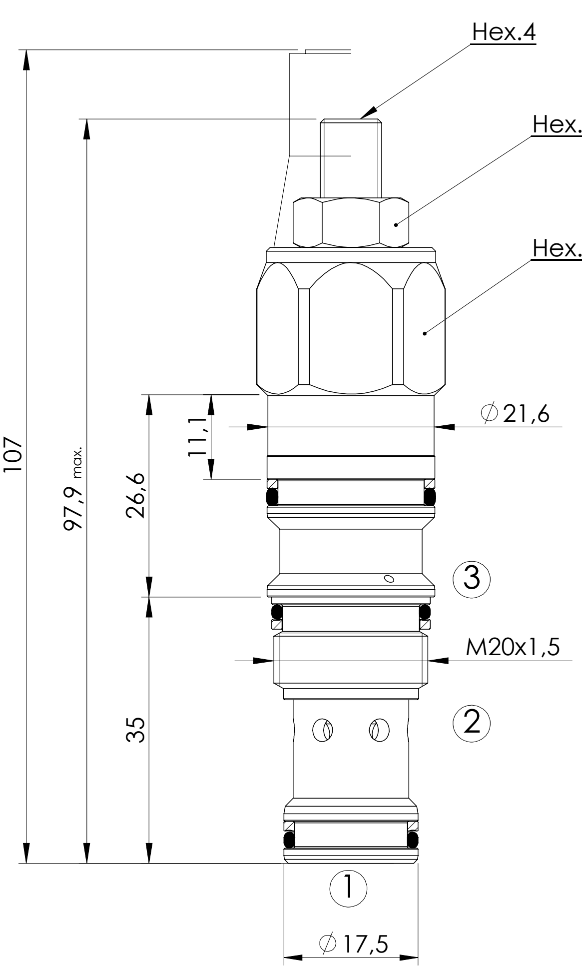
Quick code	Description	Pilot ratio	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
CB000012	CBSN-060-DARH-03-S10-N350	3:1	350	140 - 350	197
CB000033	CBSN-060-DARH-03-S10-N200	3:1	200	70 - 210	147
CB000057	CBSN-060-DARH-08-S10-N350	8:1	350	140 - 350	93
CB000058	CBSN-060-DARH-08-S10-N200	8:1	200	70 - 210	55

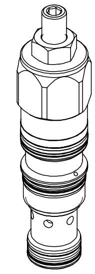
OVERCENTRE VALVE

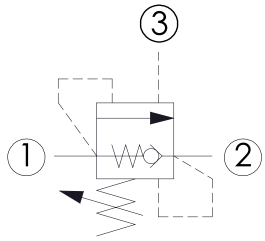
CBSN-060-DSRH

**POPPET TYPE
DIFFERENTIAL AREA**

ATLANTIC Fluid Tech







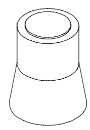
SPECIFICATIONS

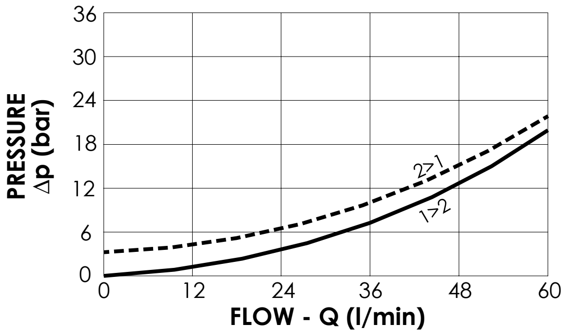
Max. operating pressure:	350 bar
Rated flow:	60 l/min
Cavity:	VP000161 (SUN T-11A)
Weight:	0,18 kg

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

Installation torque: 40 - 50 Nm

Turn anticlockwise to increase the setting

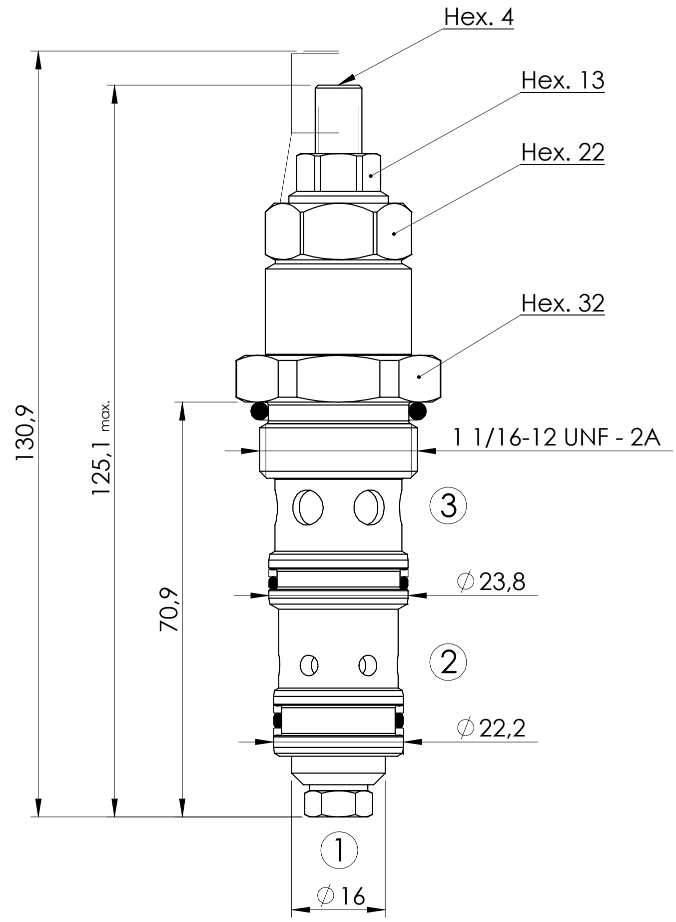
ORDERING CODES

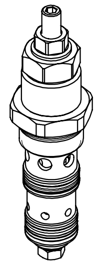
Quick code	Description	Pilot ratio	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
CB000024	CBSN-060-DSRH-03-161-N350	3:1	350	140 - 350	197
CB000034	CBSN-060-DSRH-03-161-N200	3:1	200	70 - 210	147
CB000072	CBSN-060-DSRH-08-161-N350	8:1	350	140 - 350	93
CB000073	CBSN-060-DSRH-08-161-N200	8:1	200	70 - 210	55

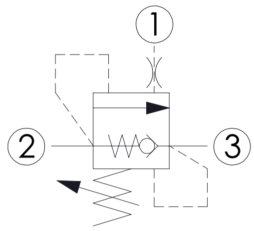
OVERCENTRE VALVE

CBSN-060-DCNH

DIFFERENTIAL AREA







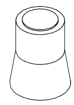
SPECIFICATIONS

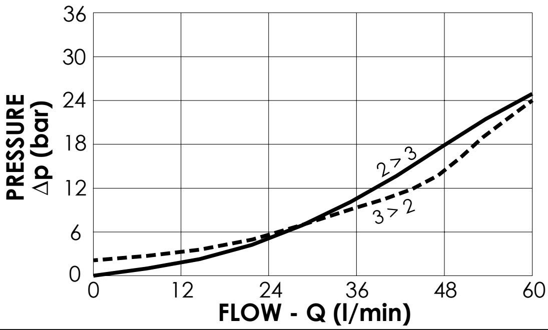
Max. operating pressure:	350 bar
Rated flow:	60 l/min
Cavity:	VP000121
Weight:	0,31 kg

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

Installation torque:

ORDERING CODES

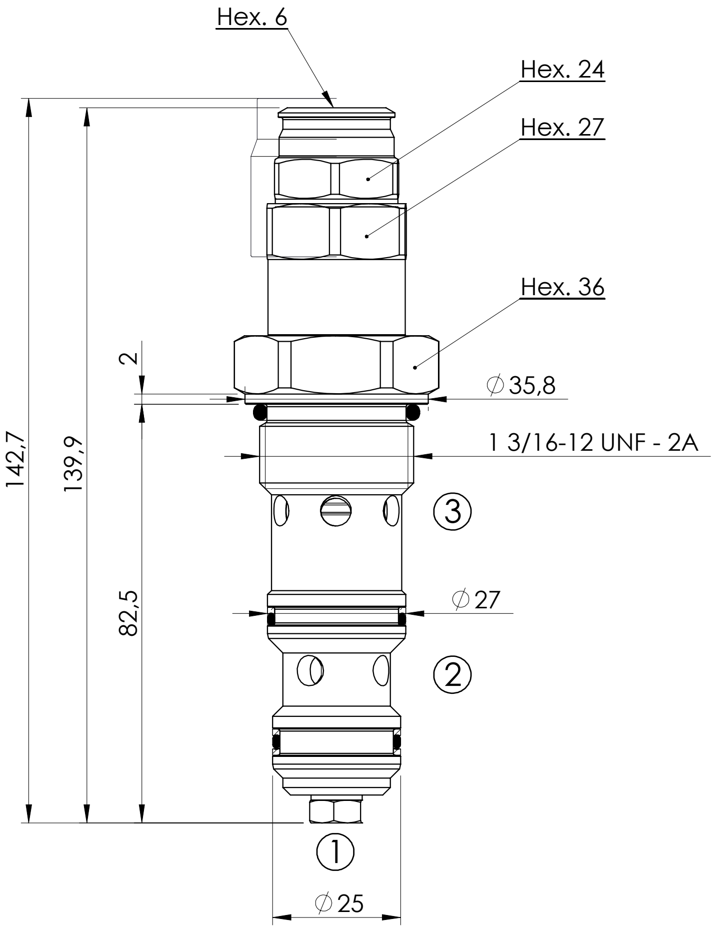
Quick code	Description	Pilot ratio	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
CB000002	CBSN-060-DCNH-04-121-N350	4,2:1	350	100-350	139
CB000003	CBSN-060-DCNH-04-121-N200	4,2:1	200	60-210	62

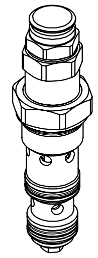
OVERCENTRE VALVE

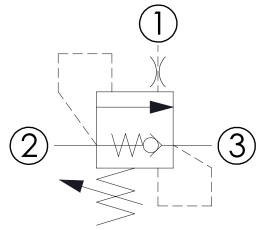
CBSN-100-DCNH

DIFFERENTIAL AREA

ATLANTIC Fluid Tech







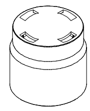
SPECIFICATIONS

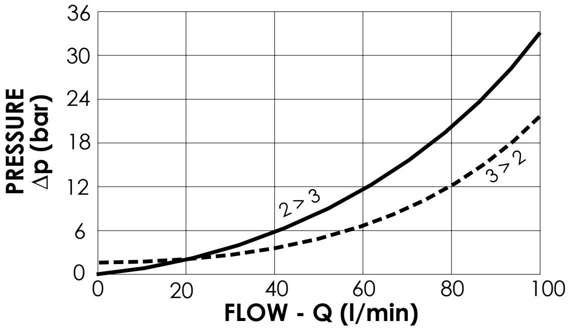
Max. operating pressure:	350 bar
Rated flow:	100 l/min
Cavity:	VP000120
Weight:	0,52 kg

SEALING CAP

Ordering code:

PT000243





NOTES

Setting: at least 1.3 times the load induced pressure

Installation torque:

ORDERING CODES

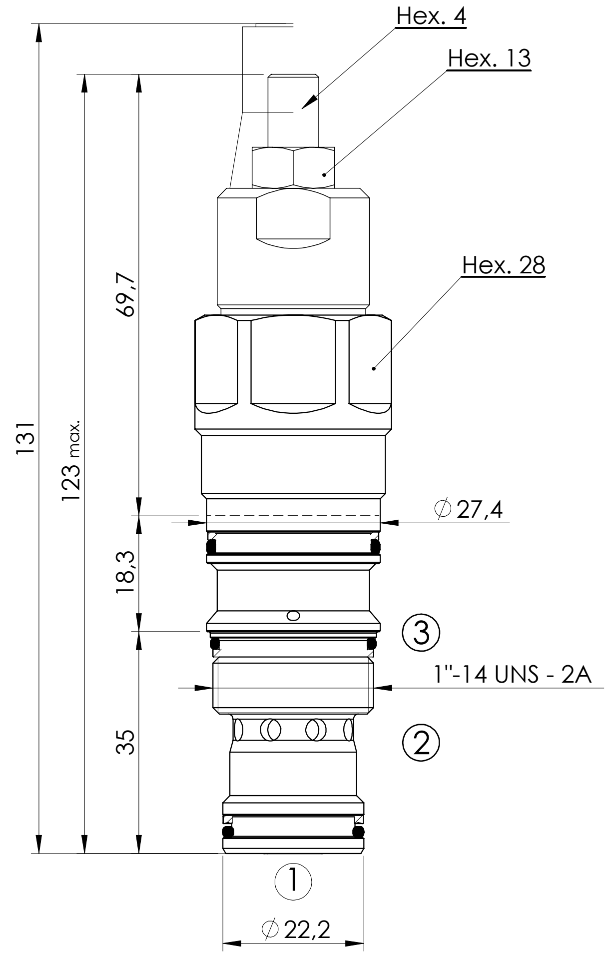
Quick code	Description	Pilot ratio	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
CB000015	CBSN-100-DCNH-04-120-N350	3,8:1	350	100-350	118
CB000113	CBSN-100-DCNH-04-120-N200	3,8:1	200	60-210	68
CB000094	CBSN-100-DCNH-08-120-N350	8:1	350	100-350	132
CB000114	CBSN-100-DCNH-08-120-N200	8:1	200	60-210	58

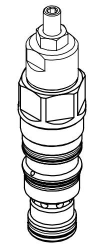
OVERCENTRE VALVE

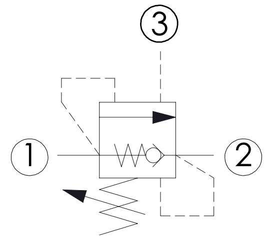
CBSN-120-DSRH

POPPET TYPE
DIFFERENTIAL AREA

ATLANTIC Fluid Tech







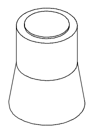
SPECIFICATIONS

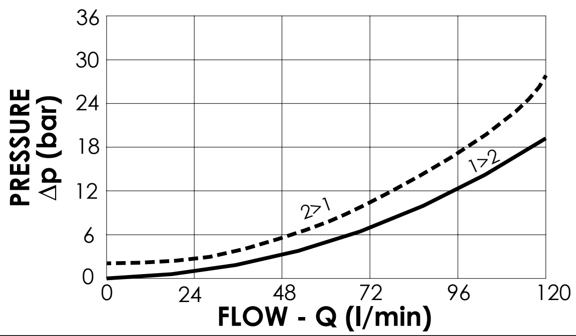
Max. operating pressure:	350 bar
Rated flow:	120 l/min
Cavity:	VP000165 (SUN T-2A)
Weight:	0,36 kg

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

Installation torque:	60 - 65 Nm
Seal kit:	RC700165

ORDERING CODES

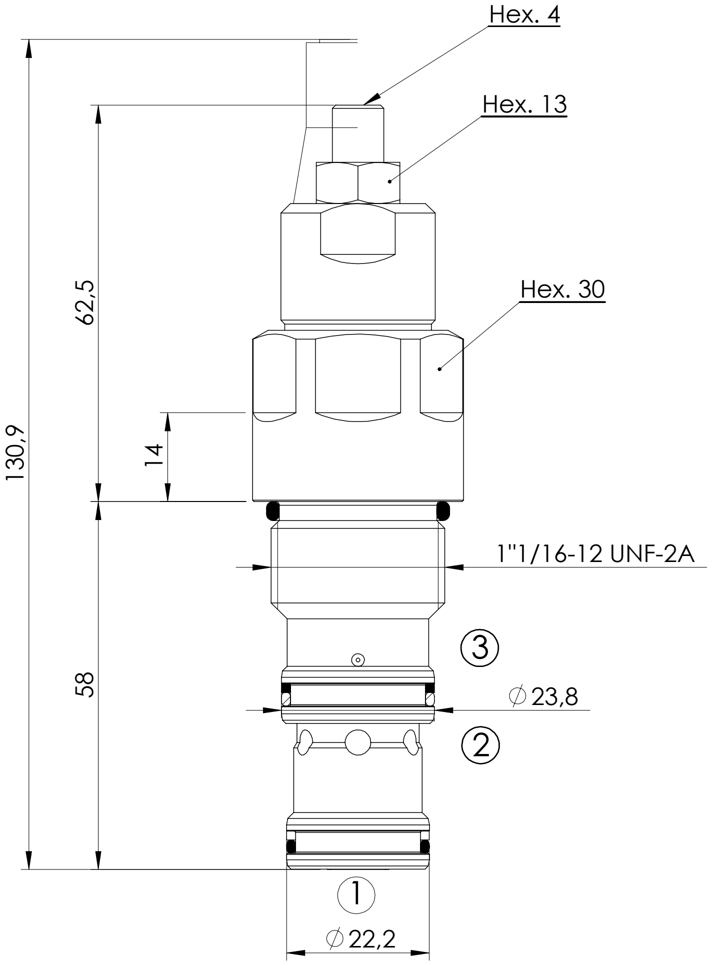
Quick code	Description	Pilot ratio	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
CB000029	CBSN-120-DSRH-04-165-N350	4:1	350	140 - 350	174
CB000035	CBSN-120-DSRH-04-165-N200	4:1	200	70 - 210	58
CB000085	CBSN-120-DSRH-08-165-N350	8:1	350	140 - 350	72
CB000093	CBSN-120-DSRH-08-165-N200	8:1	200	70 - 210	44

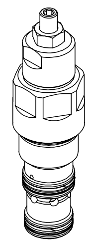
OVERCENTRE VALVE

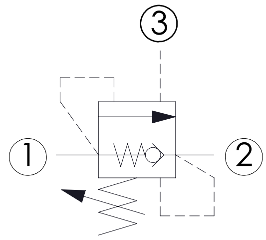
CBSN-120-DARH

DIFFERENTIAL AREA POPPET TYPE

ATLANTIC Fluid Tech







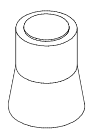
SPECIFICATIONS

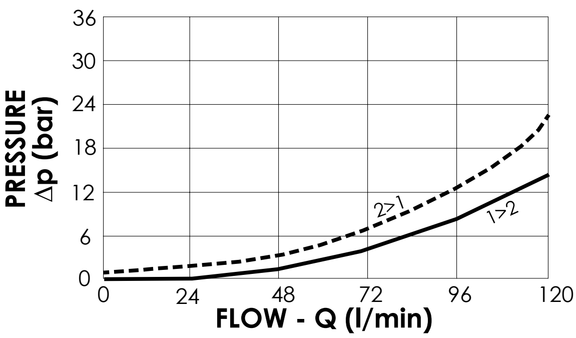
Max. operating pressure:	**350 bar**
Rated flow:	**120 l/min**
Cavity:	**SAE-12-3C**
Weight:	**0,38 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure	
Installation torque:	**80 - 95 Nm**
Seal kit:	**RA700088**
Turn clockwise to increase the setting	

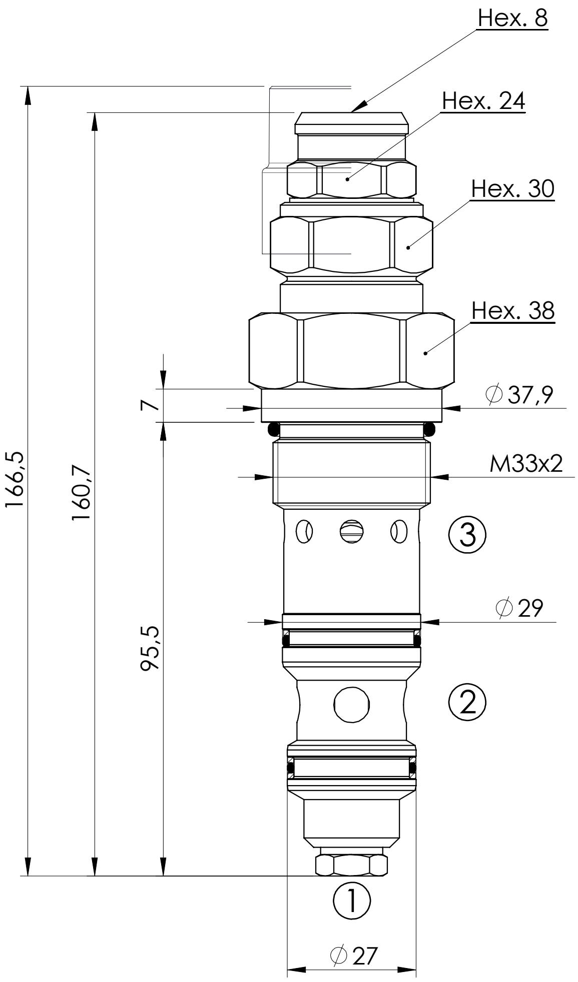
ORDERING CODES

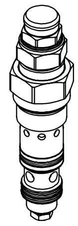
Quick code	Description	Pilot ratio	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
CB000045	**CBSN-120-DARH-04-S12-N350**	**4:1**	**350**	**140 - 350**	**174**
CB000066	**CBSN-120-DARH-04-S12-N200**	**4:1**	**200**	**70 - 210**	**58**
CB000062	**CBSN-120-DARH-08-S12-N350**	**8:1**	**350**	**140 - 350**	**72**
CB000067	**CBSN-120-DARH-08-S12-N200**	**8:1**	**200**	**70 - 210**	**45**

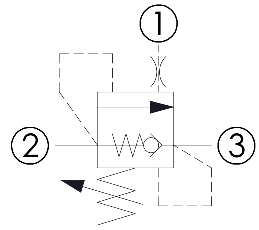
OVERCENTRE VALVE

CBSN-150-DCNH

DIFFERENTIAL AREA







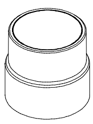
SPECIFICATIONS

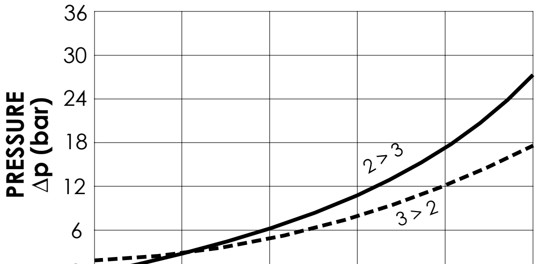
Max. operating pressure:	**350 bar**
Rated flow:	**150 l/min**
Cavity:	**VP000128**
Weight:	**0,7 kg**

SEALING CAP

Ordering code:

ST000012





NOTES

Setting: at least 1.3 times the load induced pressure

Installation torque:

ORDERING CODES

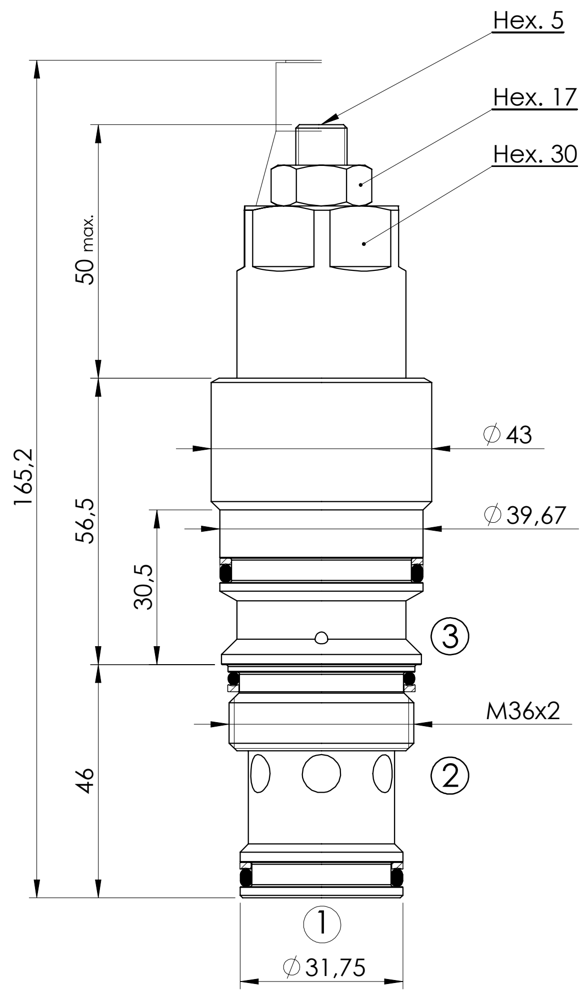
Quick code	Description	Pilot ratio	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
CB000004	CBSN-150-DCNH-04-128-N350	4:1	350	100-350	103
CB000043	CBSN-150-DCNH-08-128-N350	8:1	350	100-350	82

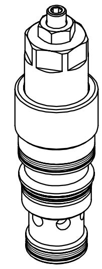
OVERCENTRE VALVE

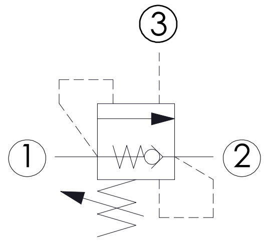
CBSN-240-DSGH

POPPET TYPE
DIFFERENTIAL AREA

ATLANTIC Fluid Tech





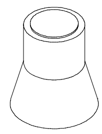


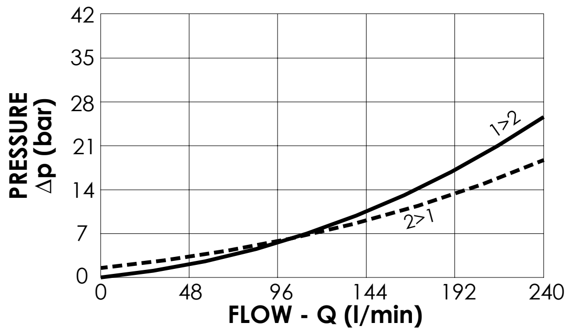
SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**240 l/min**
Cavity:	**VP000166 (SUN T-17A)**
Weight:	**0,73 kg**

SEALING CAP

Ordering code:
AT000022





NOTES

Setting: at least 1.3 times the load induced pressure

Installation torque:

ORDERING CODES

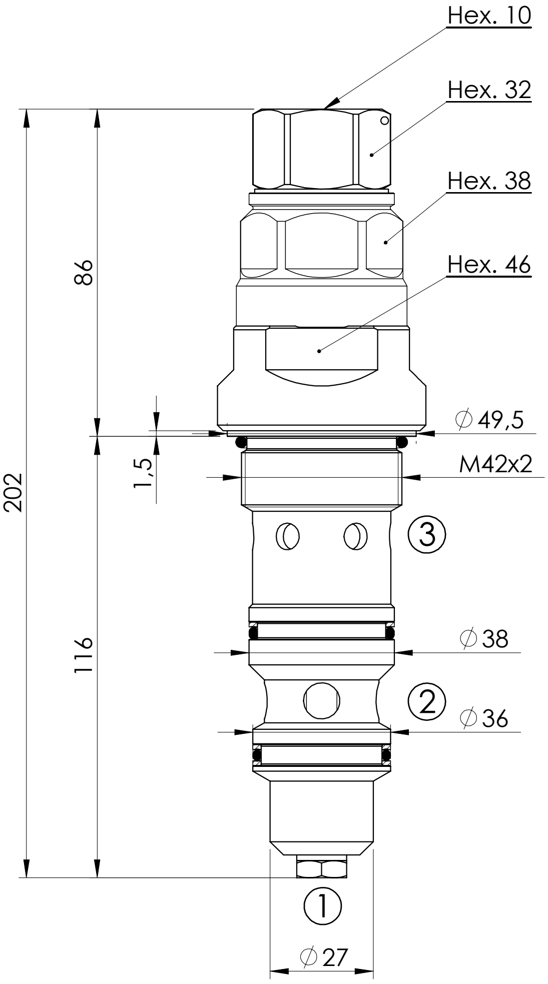
Quick code	Description	Pilot ratio	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
CB000028	CBSN-240-DSGH-04-166-N350	4:1	350	140-350	114

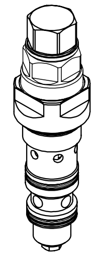
OVERCENTRE VALVE

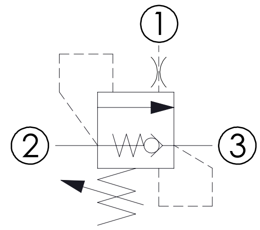
CBSN-300-DCNH

DIFFERENTIAL AREA

ATLANTIC Fluid Tech





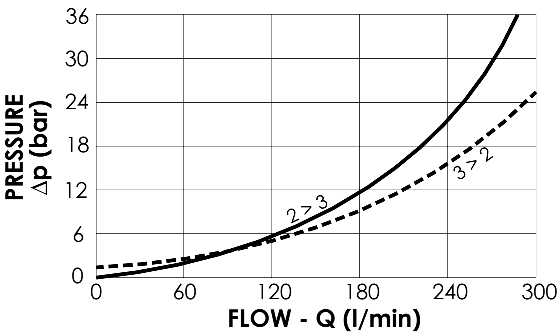


SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**300 l/min**
Cavity:	**VP000127**
Weight:	**1,5 kg**

SEALING CAP

Ordering code:



NOTES

Setting: at least 1.3 times the load induced pressure

Installation torque:

ORDERING CODES

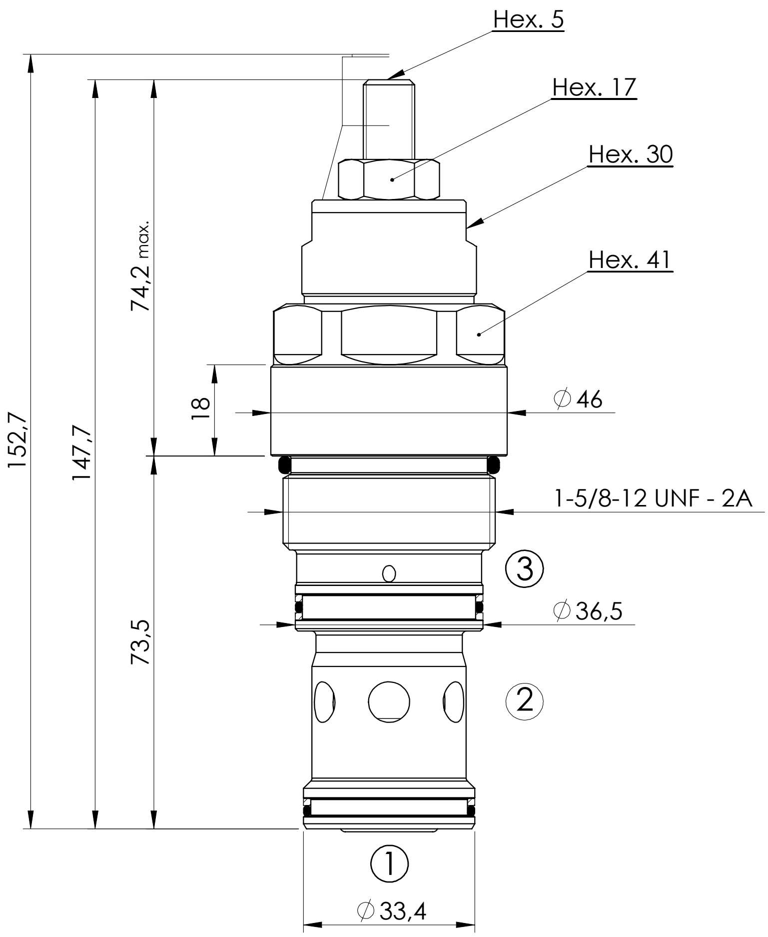
Quick code	Description	Pilot ratio	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
CB000005	CBSN-300-DCNH-04-127-N350	4:1	350	100-350	75

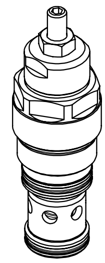
OVERCENTRE VALVE

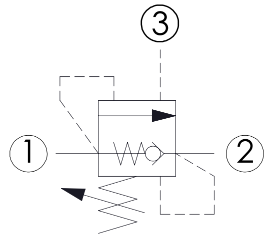
CBSN-320-DARH

DIFFERENTIAL AREA POPPET TYPE

ATLANTIC Fluid Tech







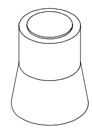
SPECIFICATIONS

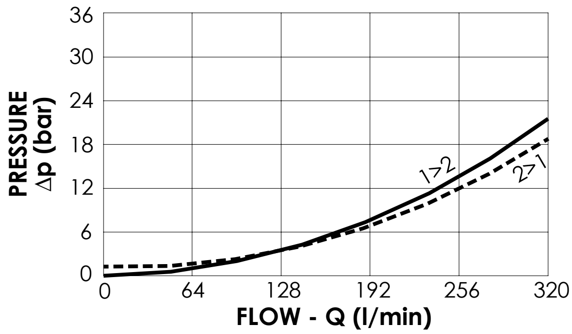
Max. operating pressure:	350 bar
Rated flow:	320 l/min
Cavity:	SAE-20-3C
Weight:	0,87 kg

SEALING CAP

Ordering code:

AT000021





NOTES

Setting: at least 1.3 times the load induced pressure

Installation torque:

ORDERING CODES

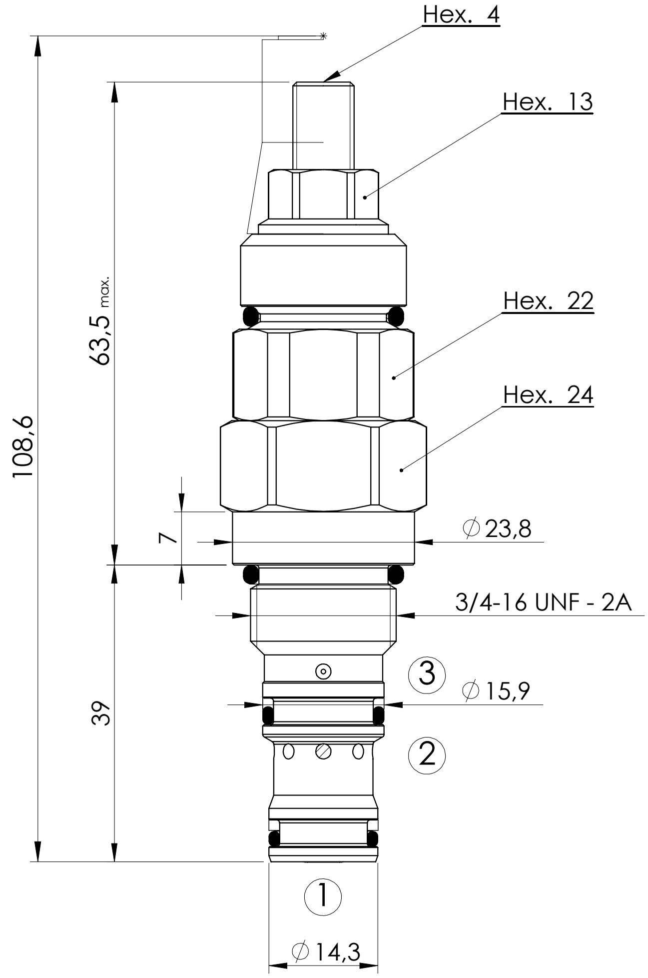
Quick code	Description	Pilot ratio	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
CB000025	CBSN-320-DARH-04-S20-N350	4:1	350	140 - 350	120
CB000026	CBSN-320-DARH-04-S20-N200	4:1	200	70-210	47
CB000027	CBSN-320-DARH-08-S20-N350	8:1	350	140 - 350	87

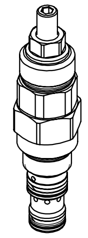
OVERCENTRE VALVE

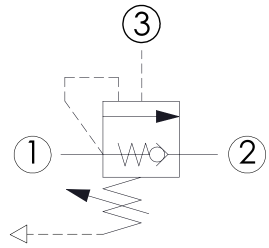
CBST-030-PARH

POPPET TYPE
FULLY COMPENSATED

ATLANTIC Fluid Tech







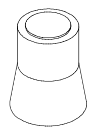
SPECIFICATIONS

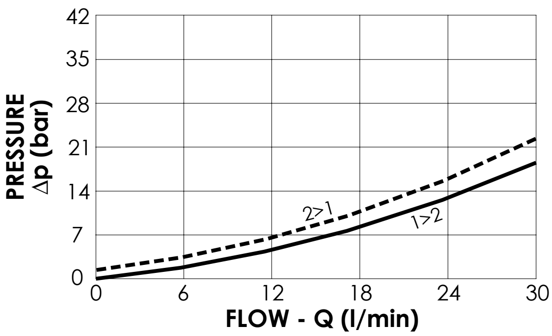
Max. operating pressure:	350 bar
Rated flow:	30 l/min
Cavity:	SAE-08-3C
Weight:	0,19 kg

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

Installation torque:

ORDERING CODES

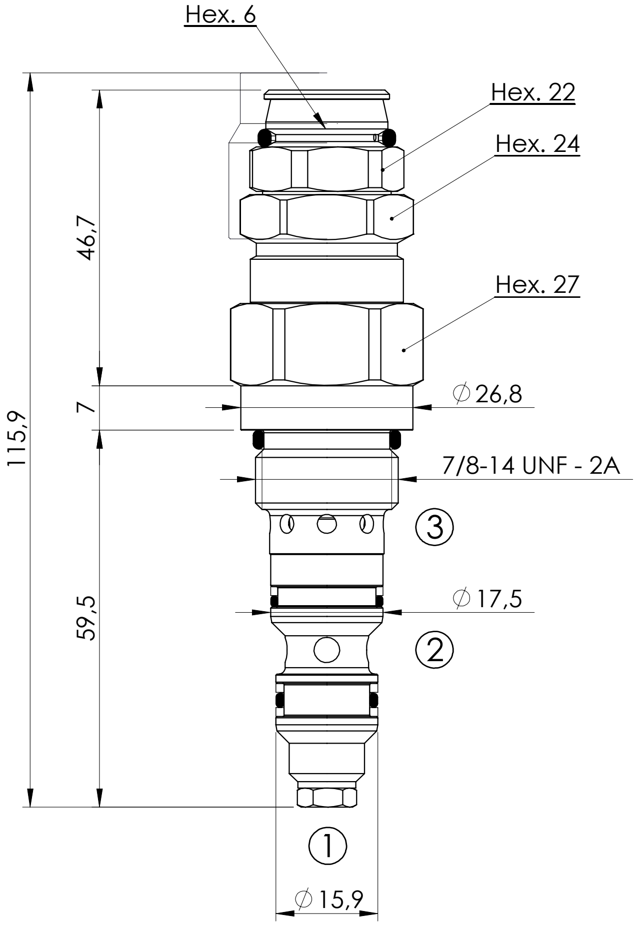
Quick code	Description	Pilot ratio	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
CB000011	CBST-030-PARH-04-S08-N350	4:1	350	170 - 350	134
CB000070	CBST-030-PARH-04-S08-N200	4:1	200	70-210	95

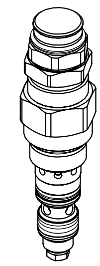
OVERCENTRE VALVE

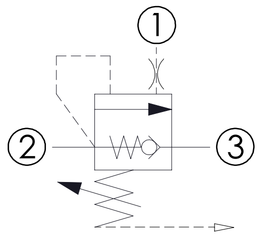
CBST-040-DCNH

FULLY COMPENSATED

ATLANTIC Fluid Tech





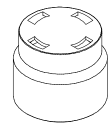


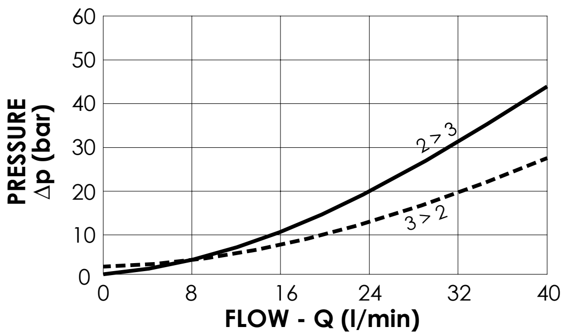
SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**40 l/min**
Cavity:	**VP000174**
Weight:	**0,26 kg**

SEALING CAP

Ordering code:
PT000258





NOTES

Setting: at least 1.3 times the load induced pressure

Installation torque:

ORDERING CODES

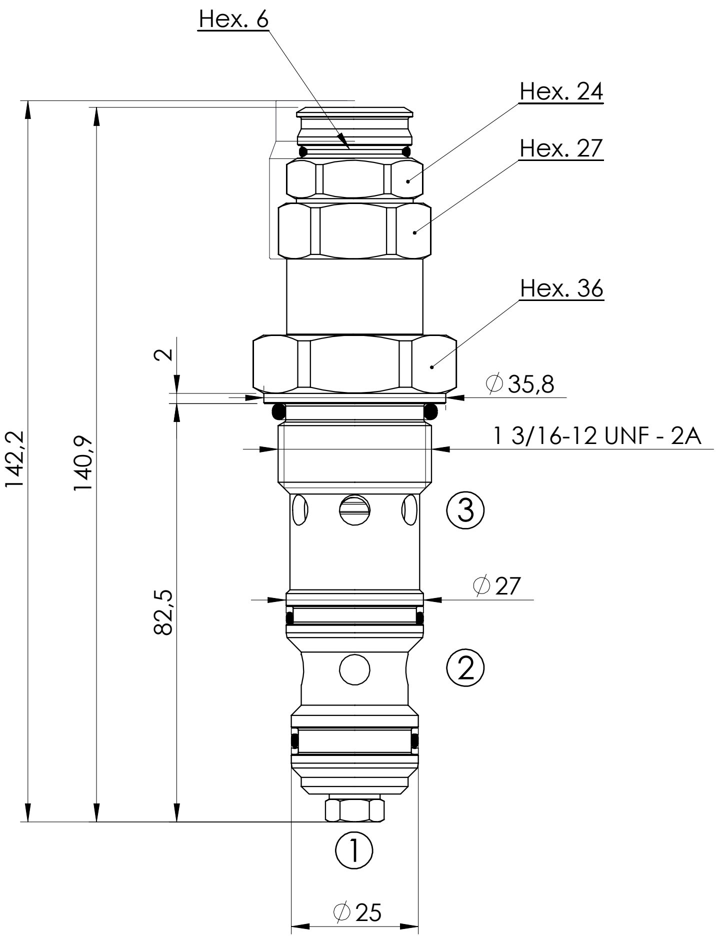
Quick code	Description	Pilot ratio	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
CB000008	CBST-040-DCNH-04-174-N350	4,1:1	350	100-350	144
CB000051	CBST-040-DCNH-04-174-N200	4,1:1	200	60-210	66

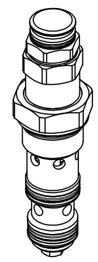
OVERCENTRE VALVE

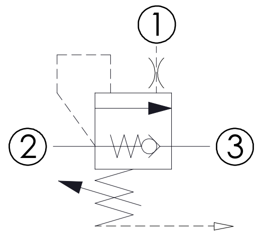
CBST-100-DCNH

FULLY COMPENSATED

ATLANTIC Fluid Tech







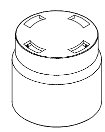
SPECIFICATIONS

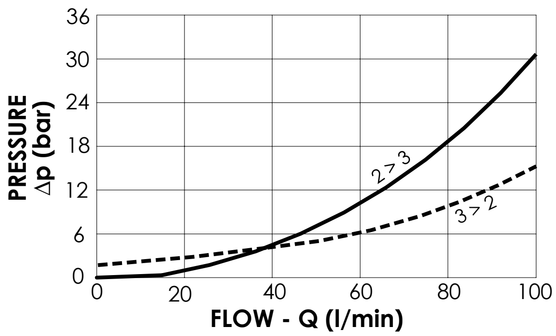
Max. operating pressure:	350 bar
Rated flow:	100 l/min
Cavity:	VP000120
Weight:	0,51 kg

SEALING CAP

Ordering code:

PT000243





NOTES

Setting: at least 1.3 times the load induced pressure

Installation torque:

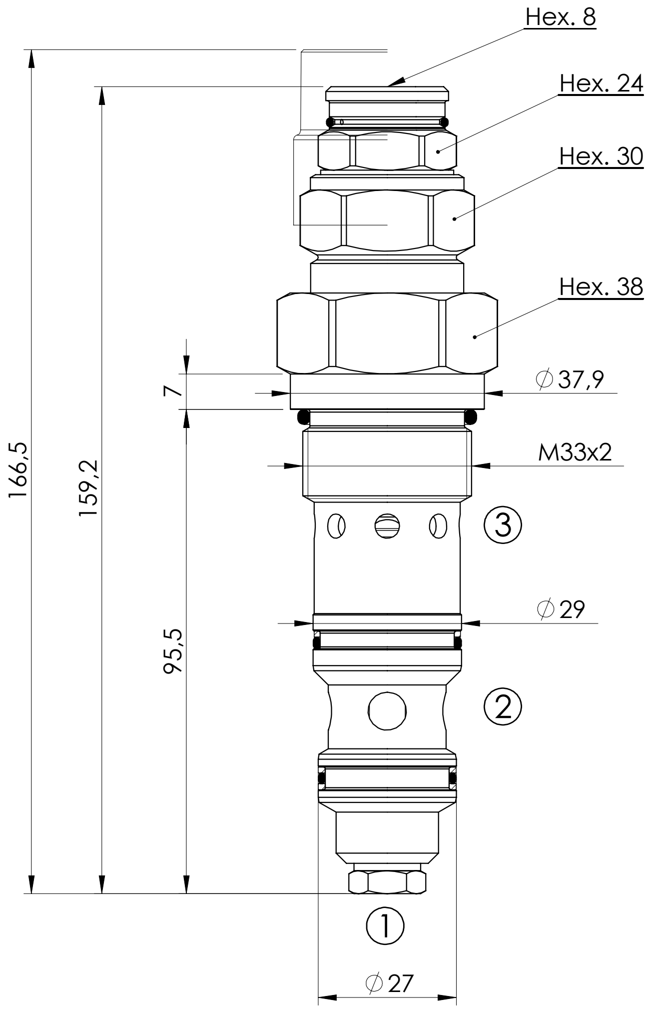
ORDERING CODES

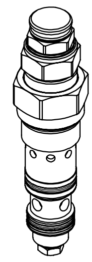
Quick code	Description	Pilot ratio	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
CB000001	CBST-100-DCNH-04-120-N350	3,8:1	350	100-350	118
CB000102	CBST-100-DCNH-08-120-N350	8:1	350	100-350	205

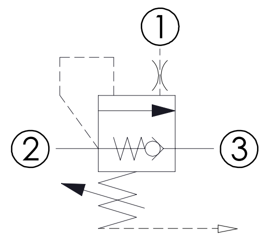
OVERCENTRE VALVE

CBST-150-DCNH

FULLY COMPENSATED







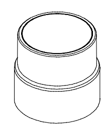
SPECIFICATIONS

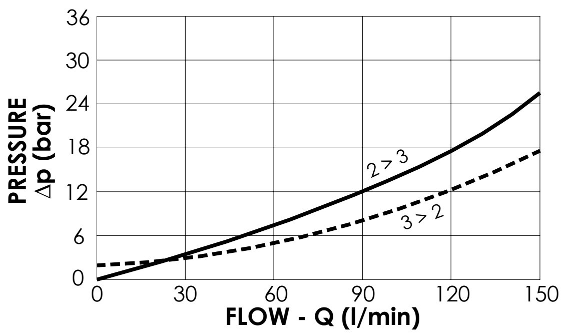
Max. operating pressure:	**350 bar**
Rated flow:	**150 l/min**
Cavity:	**VP000128**
Weight:	**0,7 kg**

SEALING CAP

Ordering code:

ST000012





NOTES

Setting: at least 1.3 times the load induced pressure

Installation torque:

ORDERING CODES

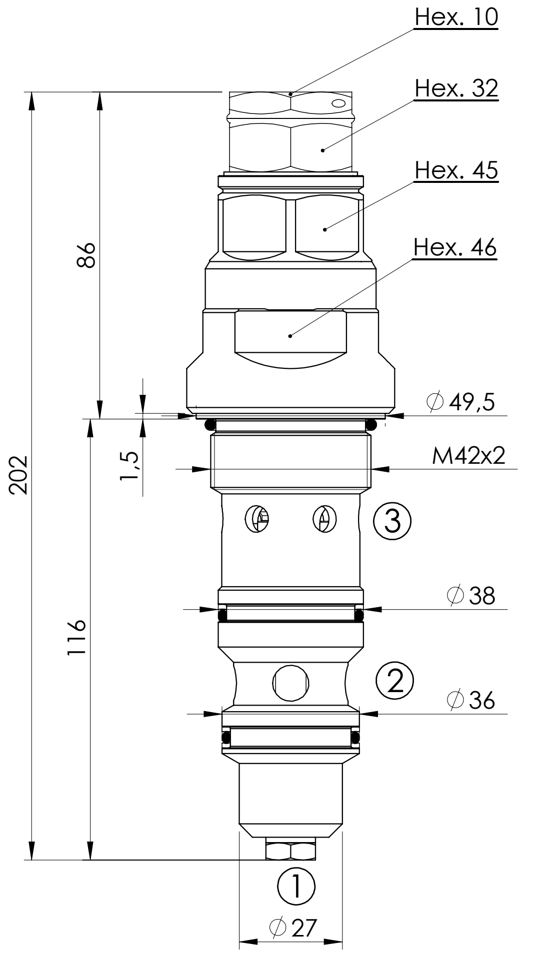
Quick code	Description	Pilot ratio	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
CB000014	CBST-150-DCNH-04-128-N350	4:1	350	100-350	103
CB000022	CBST-150-DCNH-08-128-N350	8:1	350	100-350	100

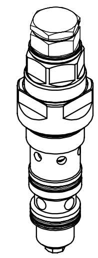
OVERCENTRE VALVE

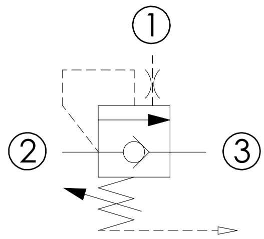
CBST-300-DCNH

FULLY COMPENSATED

ATLANTIC Fluid Tech





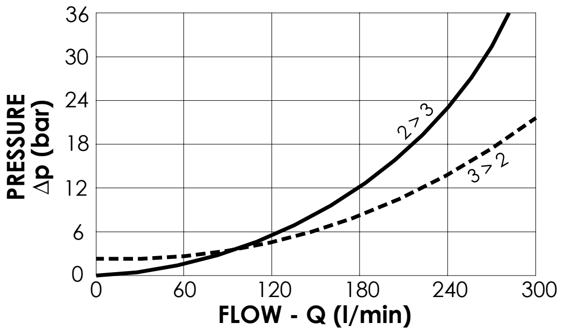


SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**300 l/min**
Cavity:	**VP000127**
Weight:	**1,49 kg**

SEALING CAP

Ordering code:



NOTES

Setting: at least 1.3 times the load induced pressure

Installation torque: **246 - 272 Nm**

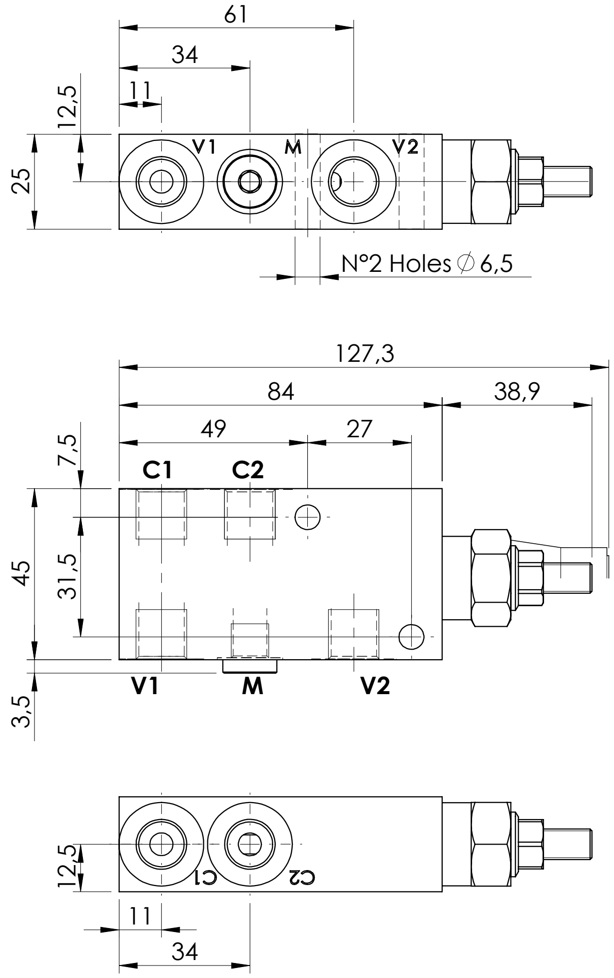
ORDERING CODES

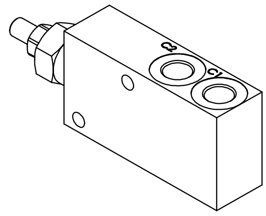
Quick code	Description	Pilot ratio	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
CB000017	CBST-300-DCNH-06-127-N350	6:1	350	100-350	62
CB000013	CBST-300-DCNH-04-127-N350	4:1	350	100-350	75

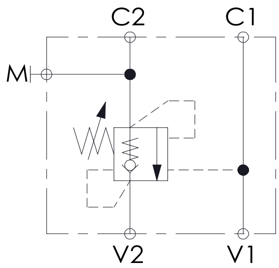
OVERCENTRE VALVE

MBSN-040-ALNP

SINGLE ACTING







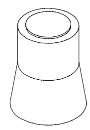
SPECIFICATIONS

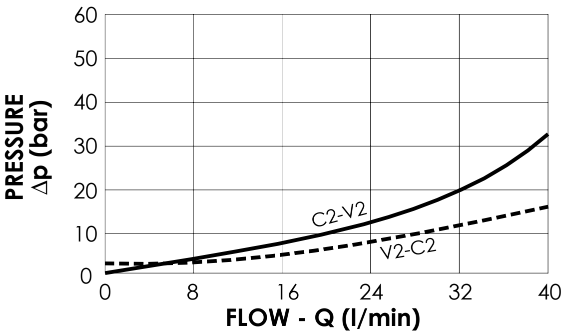
Max. operating pressure:	**350 bar**
Rated flow:	**40 l/min**
Manifold:	**Steel**
Weight:	**0,71 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

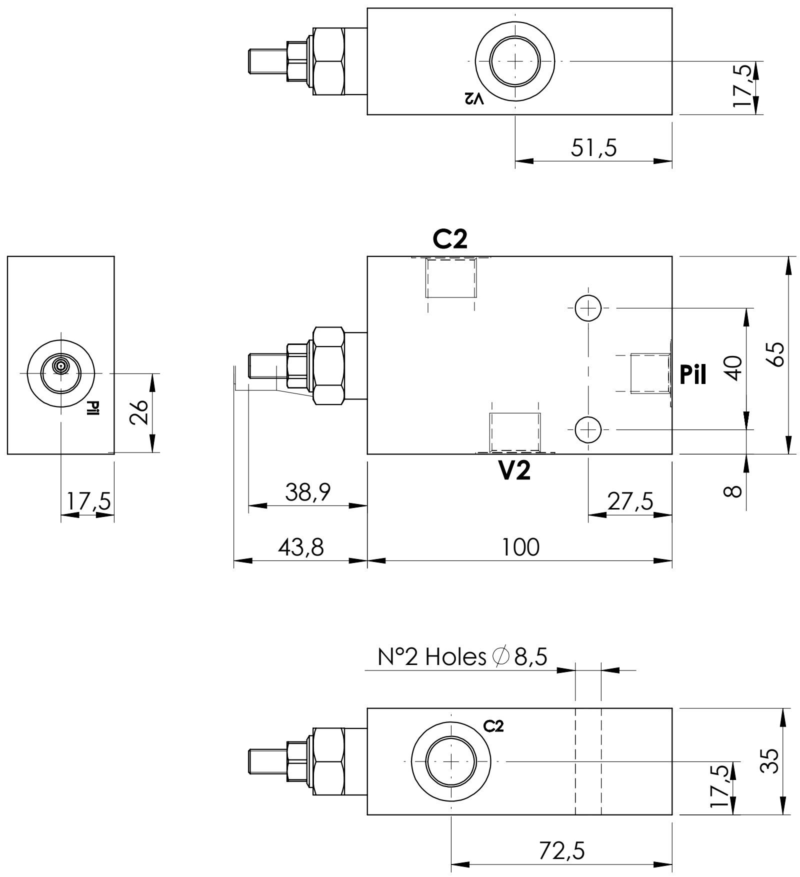
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000074	**MBSN-040-ALNP-04-G14-N350**	**4,1:1**	V1,V2: **G1/4"** M: **G1/8"** C1,C2: **G1/4"**	**350**	**100-350**	**184**
MB000604	**MBSN-040-ALNP-04-G14-N200**	**4,1:1**	V1,V2: **G1/4"** M: **G1/8"** C1,C2: **G1/4"**	**200**	**60-210**	**83**

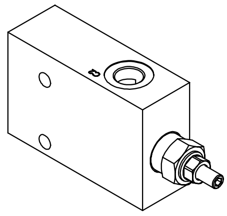
OVERCENTRE VALVE

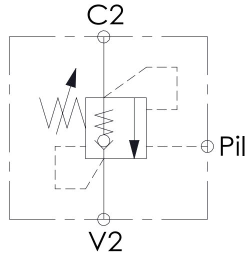
MBSN-040-ZLNA

SINGLE ACTING
IN LINE PORTS

ATLANTIC Fluid Tech





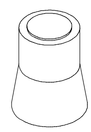


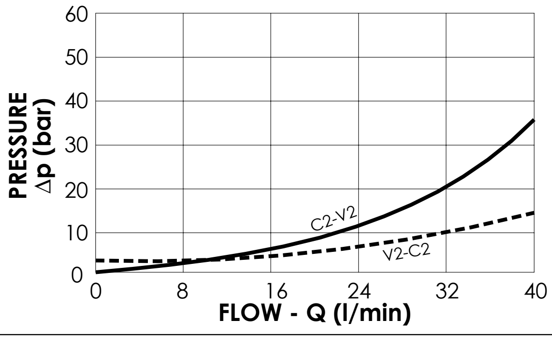
SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**40 l/min**
Manifold:	**Aluminium**
Weight:	**0,64 kg**

SEALING CAP

Ordering code:
AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

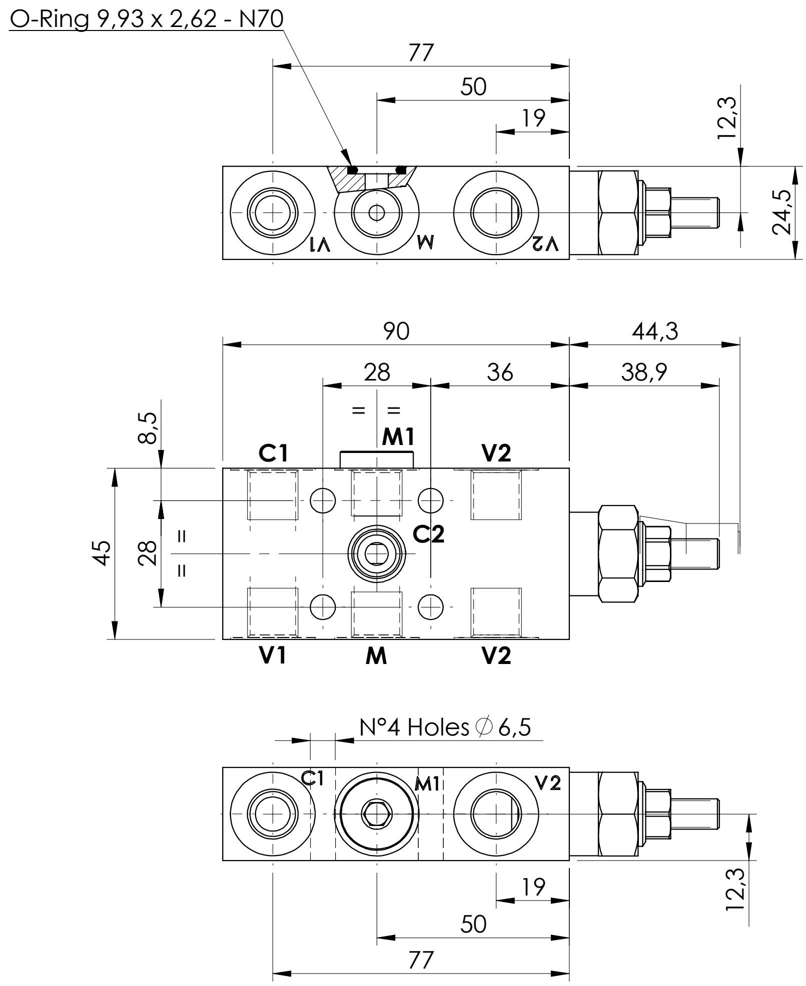
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000564	**MBSN-040-ZLNA-04-G38-N350**	**4,1:1**	C2,V2: **G 3/8"** Pil: **G 1/4"**	**350**	**100-350**	**184**
MB000565	**MBSN-040-ZLNA-04-G38-N200**	**4,1:1**	C2,V2: **G 3/8"** Pil: **G 1/4"**	**200**	**60-210**	**83**
MB000566	**MBSN-040-ZLNA-07-G38-N350**	**7,5:1**	C2,V2: **G 3/8"** Pil: **G 1/4"**	**350**	**100-350**	**138**
MB000567	**MBSN-040-ZLNA-07-G38-N200**	**7,5:1**	C2,V2: **G 3/8"** Pil: **G 1/4"**	**200**	**60-210**	**83**

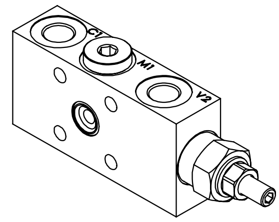
OVERCENTRE VALVE

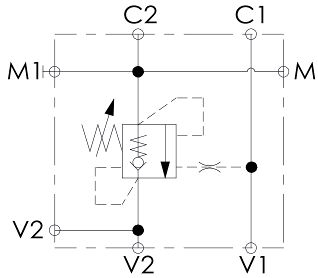
MBSN-040-AANP

SINGLE ACTING
ONE FLANGED PORT

ATLANTIC Fluid Tech







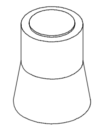
SPECIFICATIONS

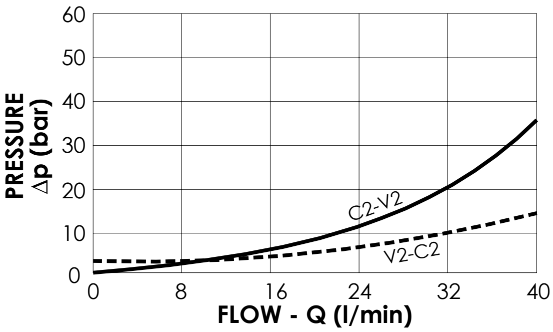
Max. operating pressure:	350 bar
Rated flow:	40 l/min
Manifold:	Steel
Weight:	0,71 kg

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

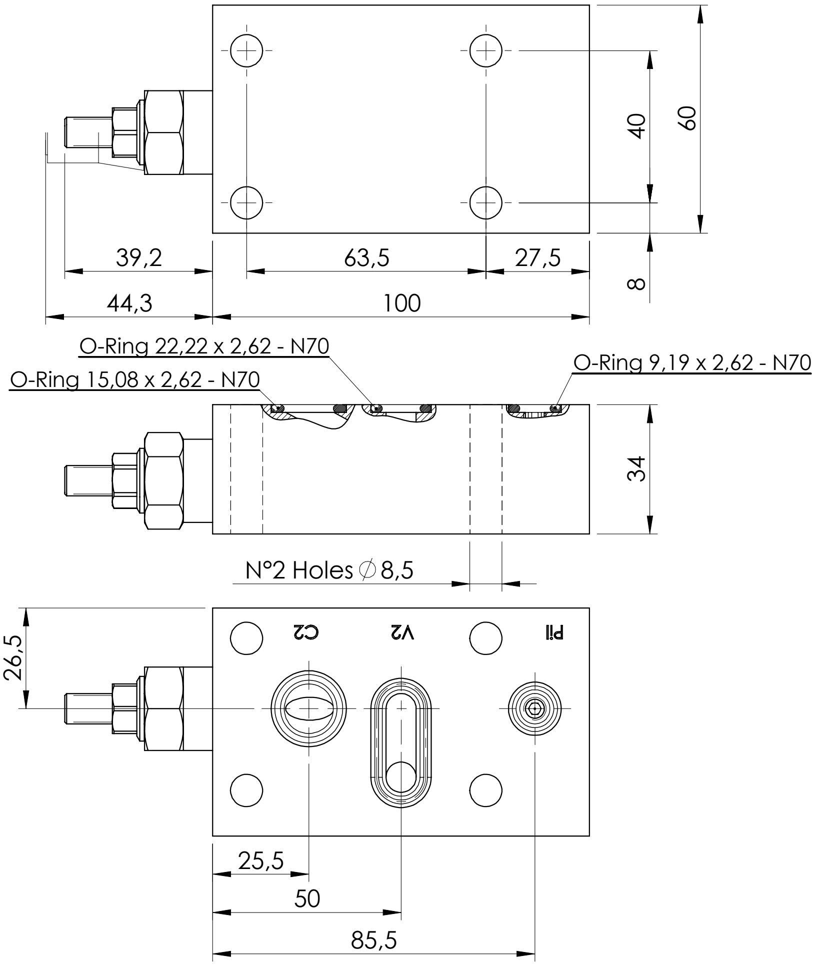
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000105	MBSN-040-AANP-04-G14-N350	4,1:1	V1, V2, M, M1: **G1/4"** C1: **G1/4"** C2: **Ø6**	350	100-350	184

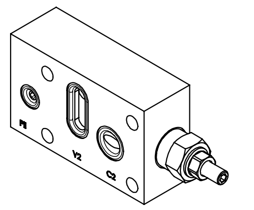
OVERCENTRE VALVE

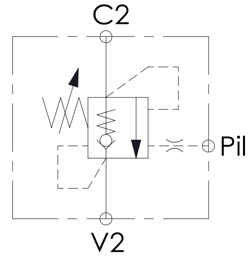
MBSN-040-ZDNA

SINGLE ACTING
ALL FLANGED PORTS

ATLANTIC Fluid Tech







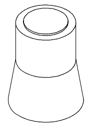
SPECIFICATIONS

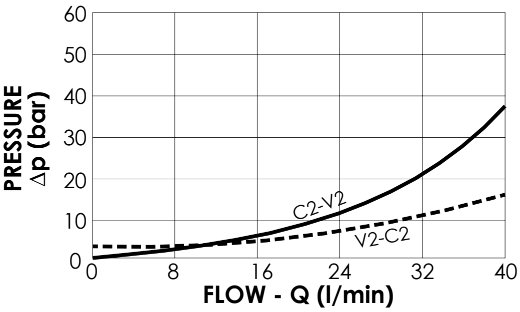
Max. operating pressure:	**350 bar**
Rated flow:	**40 l/min**
Weight:	**0.9 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

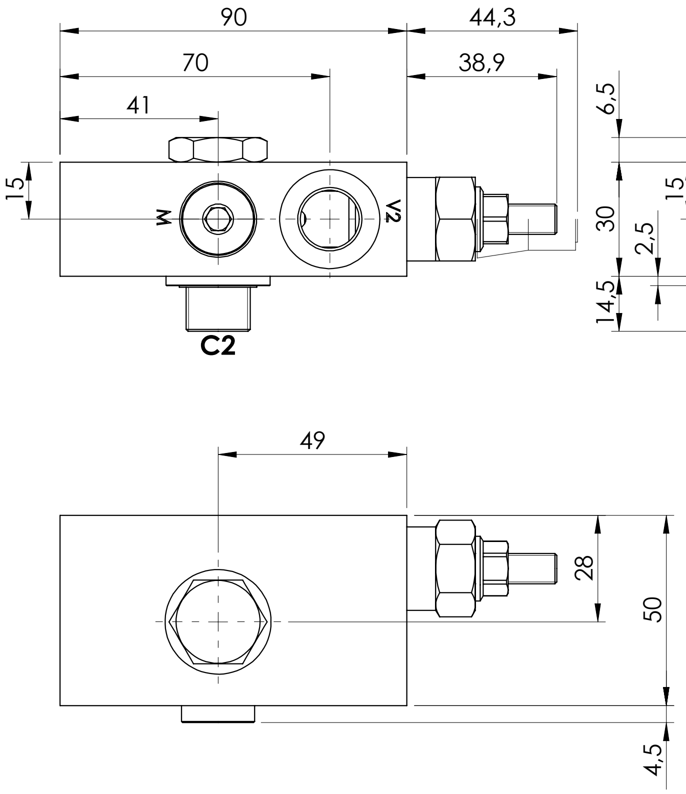
Quick code	Description	Pilot ratio	Manifold material	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000525	**MBSN-040-ZDNA-04-PTF-N350**	**4,1:1**	**Aluminium**	C2,V2: ∅**8** Pil: ∅**5**	**350**	**100-350**	**184**
MB000526	**MBSN-040-ZDNA-04-PTF-N200**	**4,1:1**	**Aluminium**	C2,V2: ∅**8** Pil: ∅**5**	**200**	**60-210**	**83**

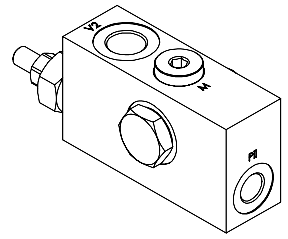
OVERCENTRE VALVE

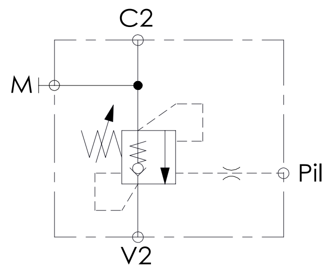
MBSN-040-APNR

SINGLE ACTING
BANJO MOUNTING

ATLANTIC Fluid Tech







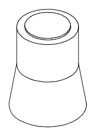
SPECIFICATIONS

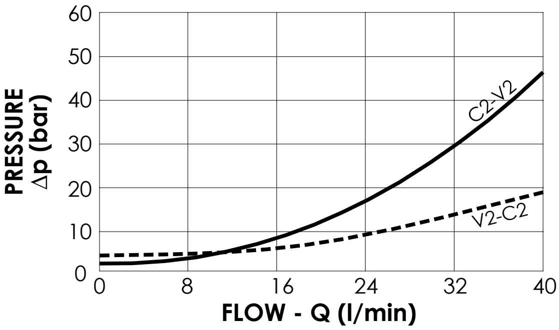
Max. operating pressure:	**350 bar**
Rated flow:	**40 l/min**
Manifold:	**Steel**
Weight:	**1,07 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

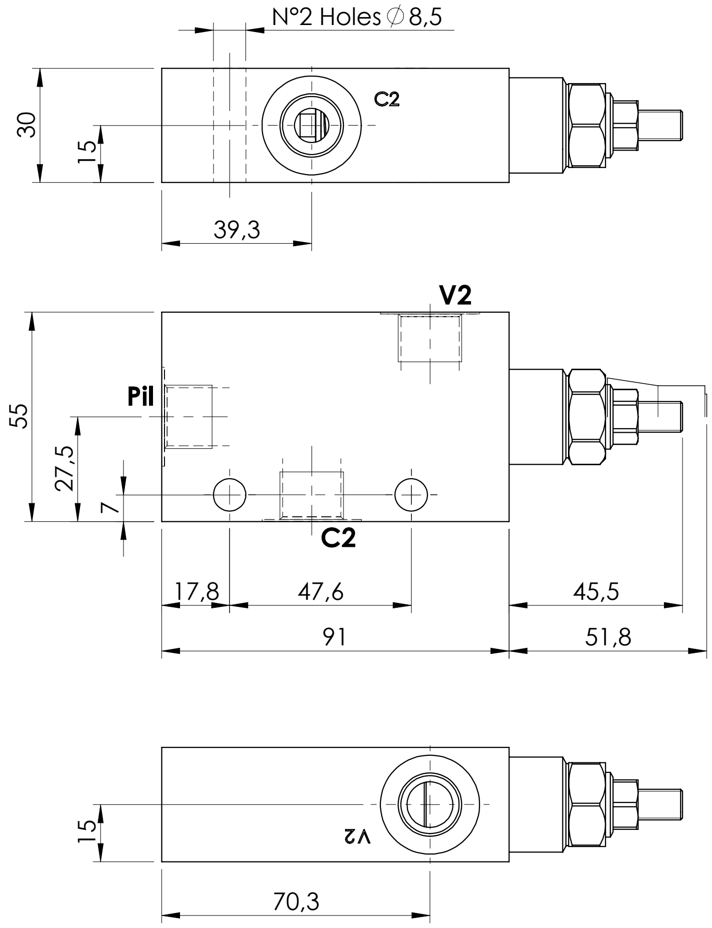
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000469	**MBSN-040-APNR-04-G38-N350**	**4,1:1**	C2,V2: **G3/8"** M,Pil: **G1/4"**	**350**	**100-350**	**184**
MB000578	**MBSN-040-APNR-04-G38-N200**	**4,1:1**	C2,V2: **G3/8"** M,Pil: **G1/4"**	**200**	**60-210**	**83**
MB000840	**MBSN-040-APNR-07-G38-N350**	**7,5:1**	C2,V2: **G3/8"** M,Pil: **G1/4"**	**350**	**100-350**	**138**

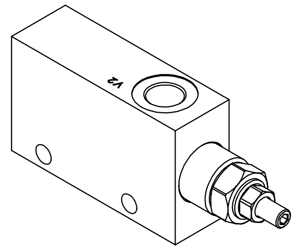
OVERCENTRE VALVE

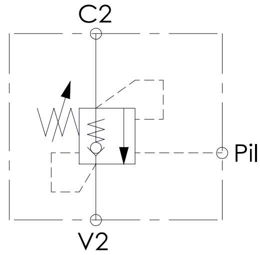
MBSN-060-ALNR

SINGLE ACTING

ATLANTIC Fluid Tech







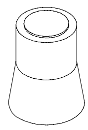
SPECIFICATIONS

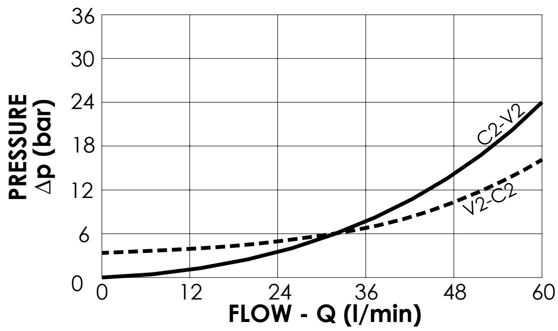
Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Manifold:	**Steel**
Weight:	**1,11 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

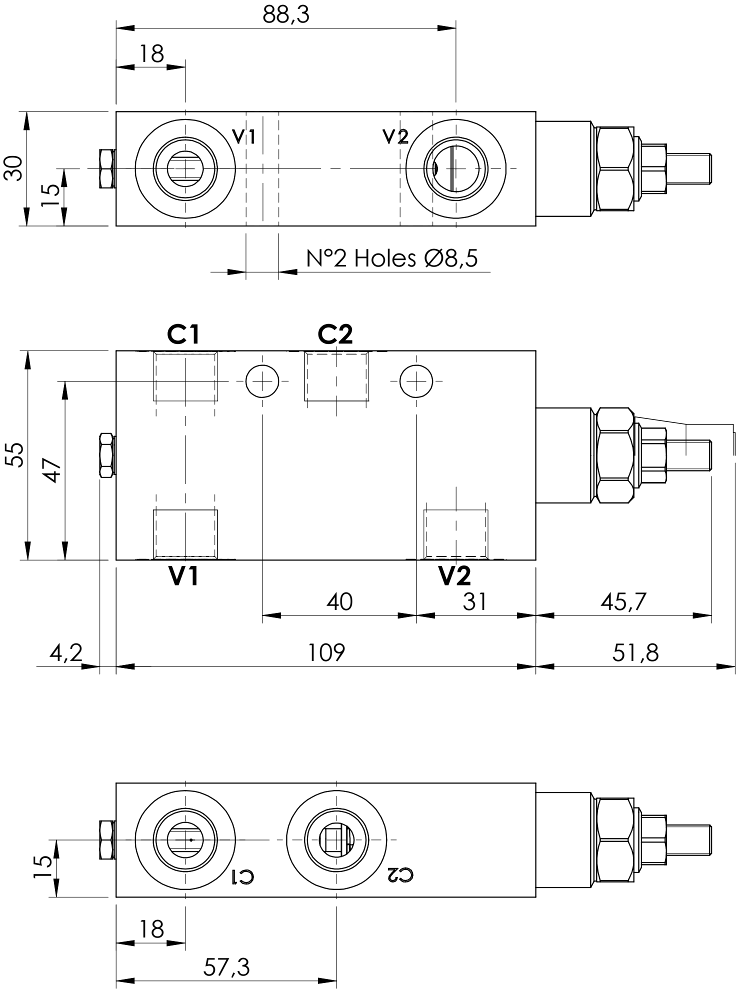
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000002	**MBSN-060-ALNR-04-G38-N350**	**4,2:1**	V2, C2, Pil: **G3/8"**	**350**	**100-350**	**138**
MB000054	**MBSN-060-ALNR-04-G38-N200**	**4,2:1**	V2, C2, Pil: **G3/8"**	**200**	**60-210**	**62**

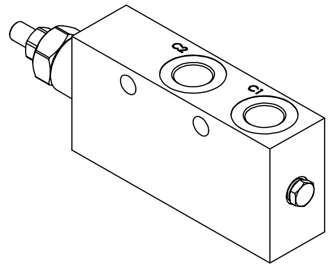
OVERCENTRE VALVE

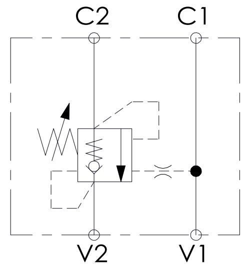
MBSN-060-ALNE

SINGLE ACTING

ATLANTIC Fluid Tech







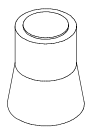
SPECIFICATIONS

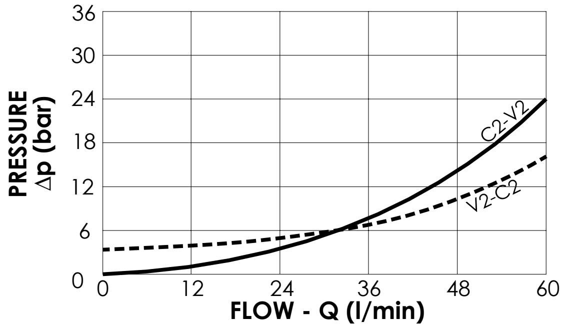
Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Manifold:	**Steel**
Weight:	**1,32 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

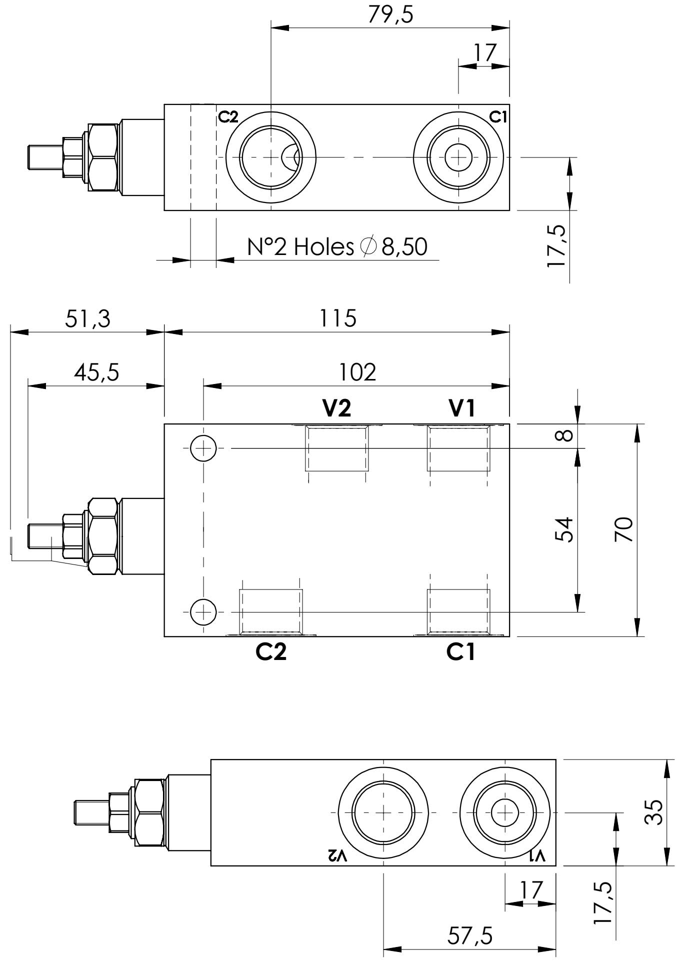
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000051	**MBSN-060-ALNE-04-G38-N350**	**4,2:1**	V1, V2: **G3/8"** C1, C2: **G3/8"**	**350**	**100-350**	**138**
MB000179	**MBSN-060-ALNE-04-G38-N200**	**4,2:1**	V1, V2: **G3/8"** C1, C2: **G3/8"**	**200**	**60-210**	**62**
MB000044	**MBSN-060-ALNE-11-G38-N350**	**11:1**	V1, V2: **G3/8"** C1, C2: **G3/8"**	**350**	**150-350**	**160**

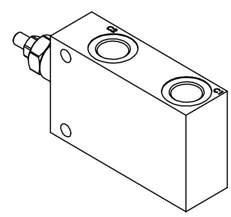
OVERCENTRE VALVE

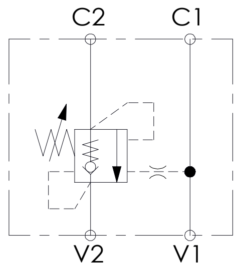
MBSN-060-ZLSE

SINGLE ACTING

ATLANTIC Fluid Tech







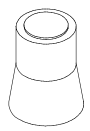
SPECIFICATIONS

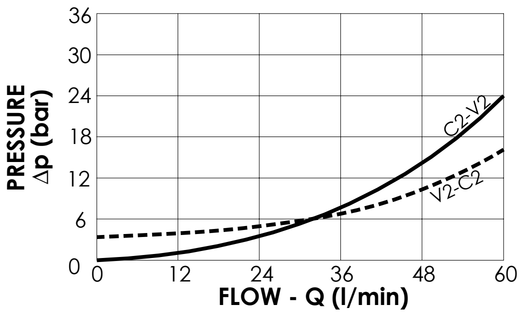
Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Weight:	**Aluminium 0.8 kg; Steel 2.0 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

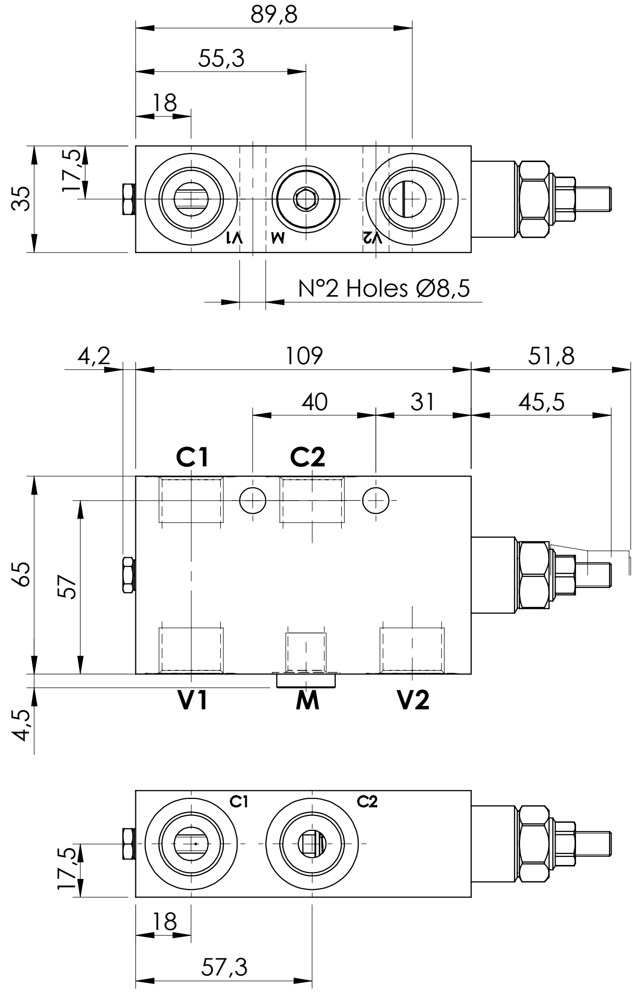
Quick code	Description	Pilot ratio	Manifold material	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000508	**MBSN-060-ZLSE-04-G12-N350**	**4,2:1**	**Aluminium**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**350**	**100-350**	**138**
MB000509	**MBSN-060-ZLSE-04-G12-N200**	**4,2:1**	**Aluminium**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**200**	**60-210**	**62**
MB000510	**MBSN-060-ALDE-04-G12-N350**	**4,2:1**	**Steel**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**350**	**100-350**	**138**
MB000511	**MBSN-060-ALDE-04-G12-N200**	**4,2:1**	**Steel**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**200**	**60-210**	**62**
MB000512	**MBSN-060-ZLSE-07-G12-N350**	**7:1**	**Aluminium**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**350**	**100-350**	**106**
MB000513	**MBSN-060-ZLSE-07-G12-N200**	**7:1**	**Aluminium**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**200**	**60-210**	**46**
MB000514	**MBSN-060-ALDE-07-G12-N350**	**7:1**	**Steel**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**350**	**100-350**	**106**
MB000515	**MBSN-060-ALDE-07-G12-N200**	**7:1**	**Steel**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**200**	**60-210**	**46**

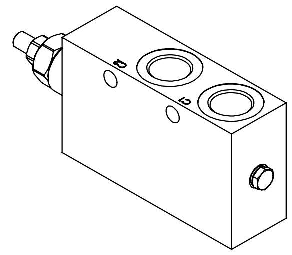
OVERCENTRE VALVE

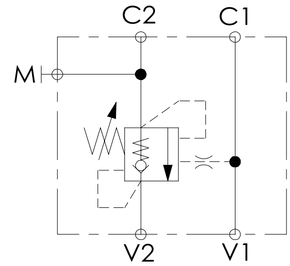
MBSN-060-ALNE

SINGLE ACTING

ATLANTIC Fluid Tech







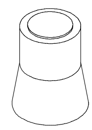
SPECIFICATIONS

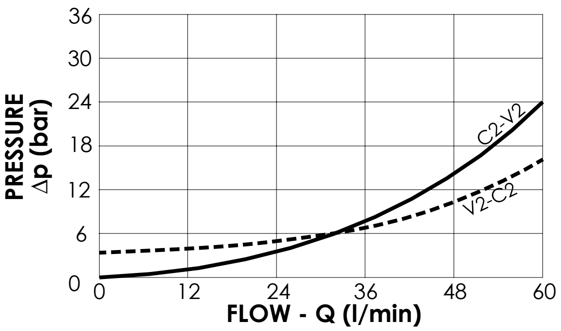
Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Manifold:	**Steel**
Weight:	**1,77 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

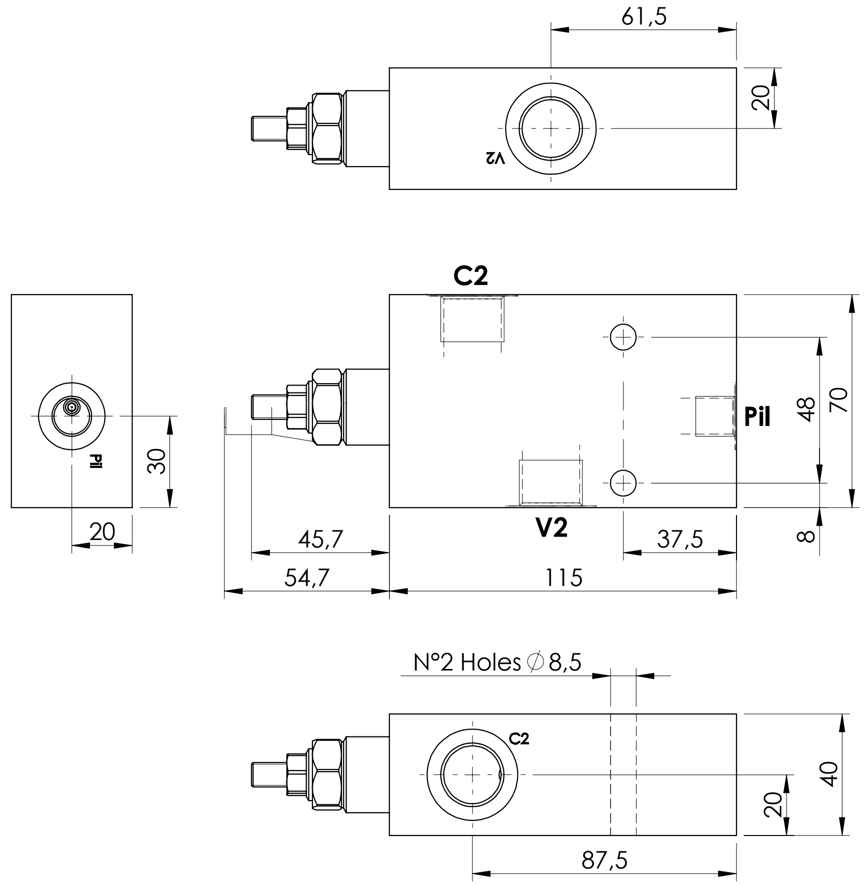
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000063	MBSN-060-ALNE-04-G12-N350	4,2:1	V1, V2: **G1/2"** M:**G1/4"** C1, C2: **G1/2"**	350	100-350	138
MB000200	MBSN-060-ALNE-04-G12-N200	4,2:1	V1, V2: **G1/2"** M:**G1/4"** C1, C2: **G1/2"**	200	60-210	62

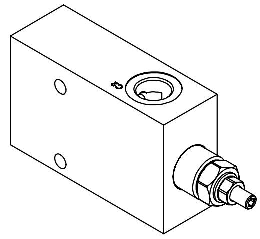
OVERCENTRE VALVE

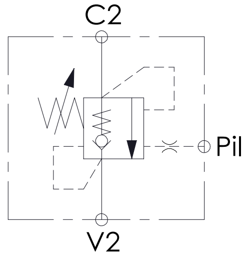
MBSN-060-ZLNA

SINGLE ACTING IN LINE PORTS

ATLANTIC Fluid Tech







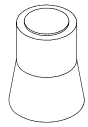
SPECIFICATIONS

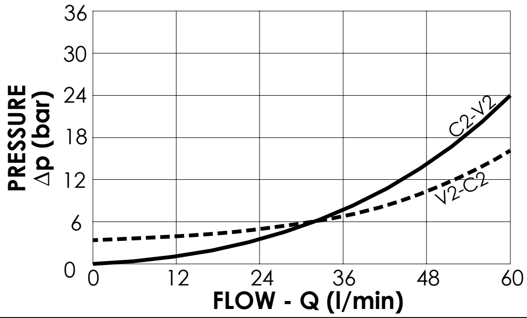
Max. operating pressure:	350 bar
Rated flow:	60 l/min
Weight:	0,9 kg

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

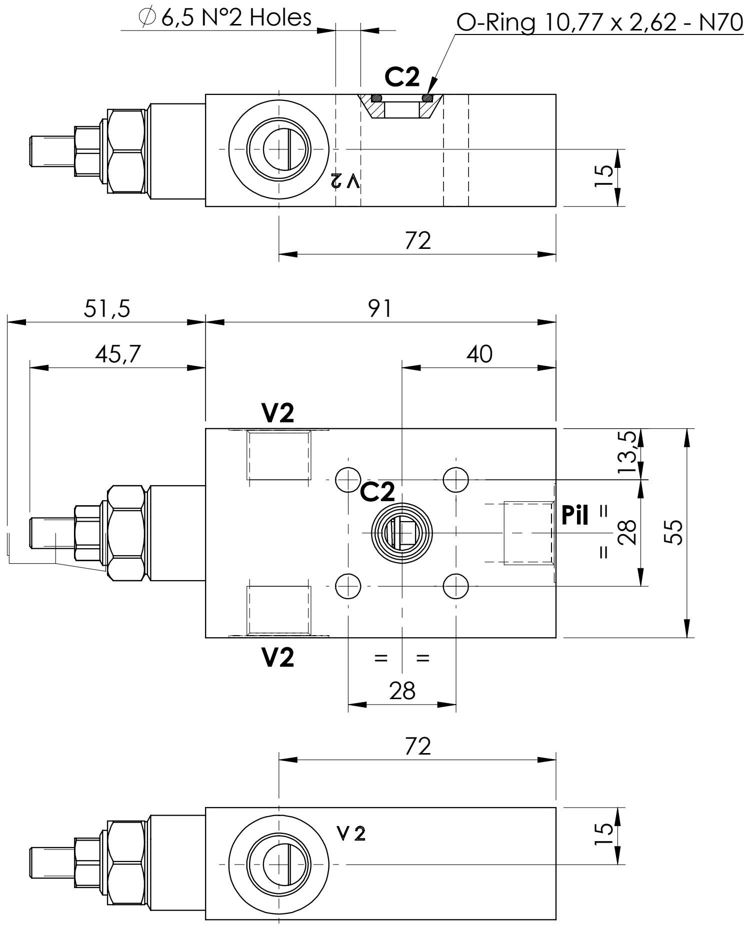
Quick code	Description	Pilot ratio	Manifold material	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000579	MBSN-060-ZLNA-04-G12-N350	4,2:1	Aluminium	C2,V2: **G 1/2"** Pil: **G 1/4"**	350	110-350	138
MB000580	MBSN-060-ZLNA-04-G12-N200	4,2:1	Aluminium	C2,V2: **G 1/2"** Pil: **G 1/4"**	200	60-210	62
MB000581	MBSN-060-ZLNA-07-G12-N350	7:1	Aluminium	C2,V2: **G 1/2"** Pil: **G 1/4"**	350	85-350	106
MB000582	MBSN-060-ZLNA-07-G12-N250	7:1	Aluminium	C2,V2: **G 1/2"** Pil: **G 1/4"**	250	40-250	46

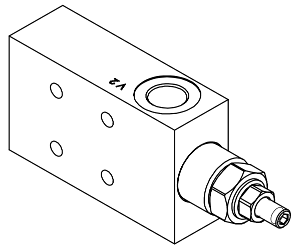
OVERCENTRE VALVE

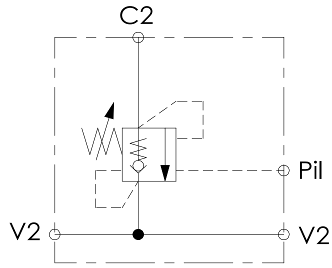
MBSN-060-AANR

SINGLE ACTING
ONE FLANGED PORT

ATLANTIC Fluid Tech





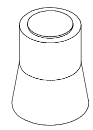


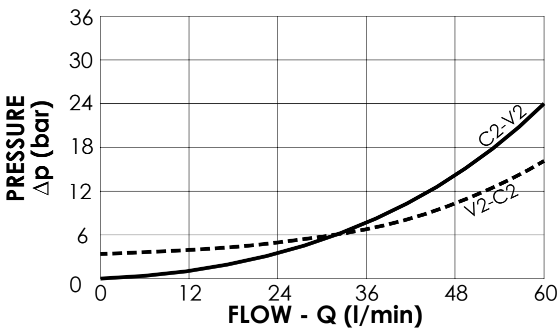
SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Manifold:	**Steel**
Weight:	**1,09 kg**

SEALING CAP

Ordering code:
AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

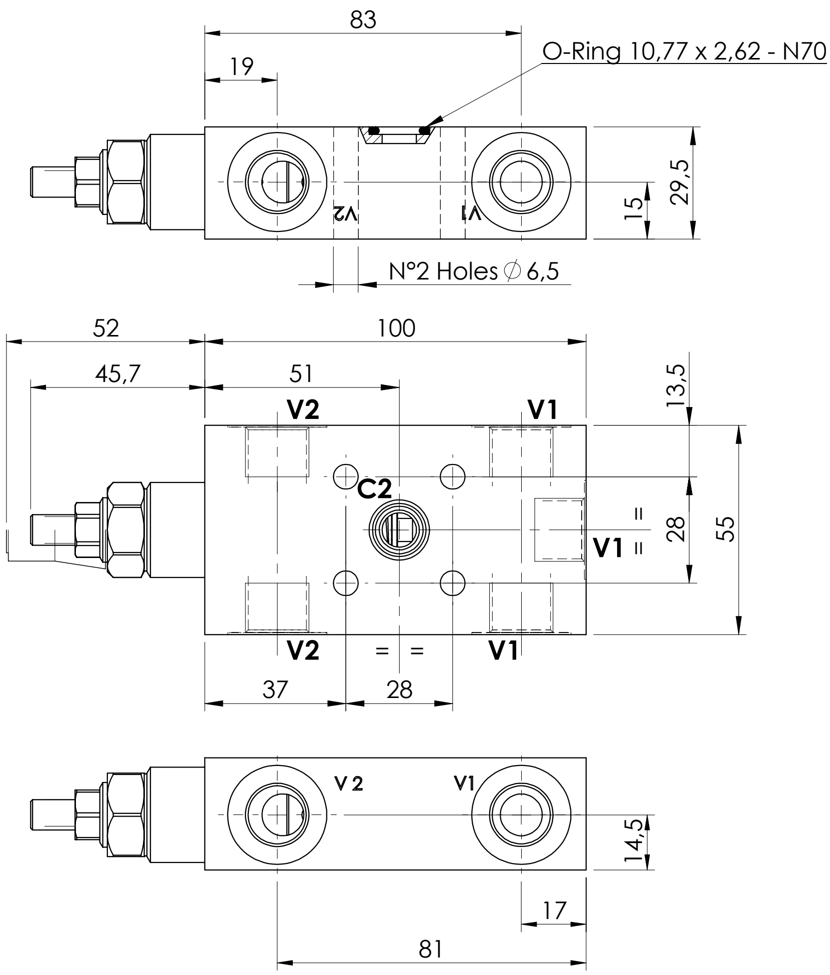
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000017	**MBSN-060-AANR-04-G38-N350**	**4,2:1**	V2, Pil: **G3/8"** C2 : **Ø9**	**350**	**100-350**	**138**
MB000199	**MBSN-060-AANR-04-G38-N200**	**4,2:1**	V2, Pil: **G3/8"** C2 : **Ø9**	**200**	**60-210**	**62**

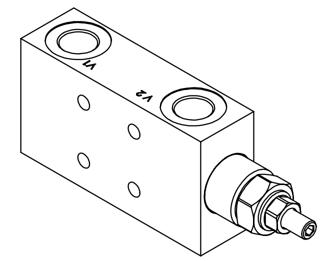
OVERCENTRE VALVE

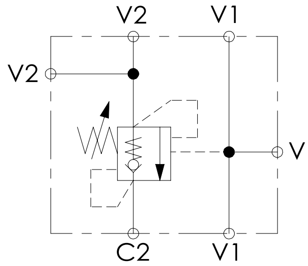
MBSN-060-AATV

SINGLE ACTING
ONE FLANGED PORT

ATLANTIC Fluid Tech







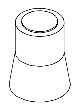
SPECIFICATIONS

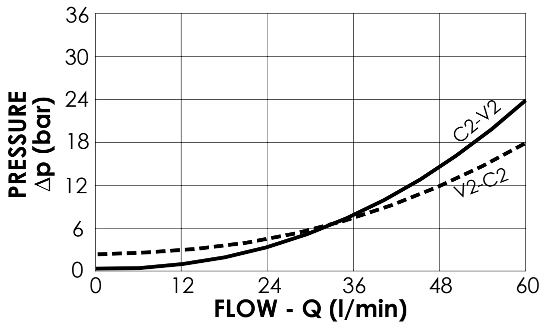
Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Manifold:	**Steel**
Weight:	**1,14 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

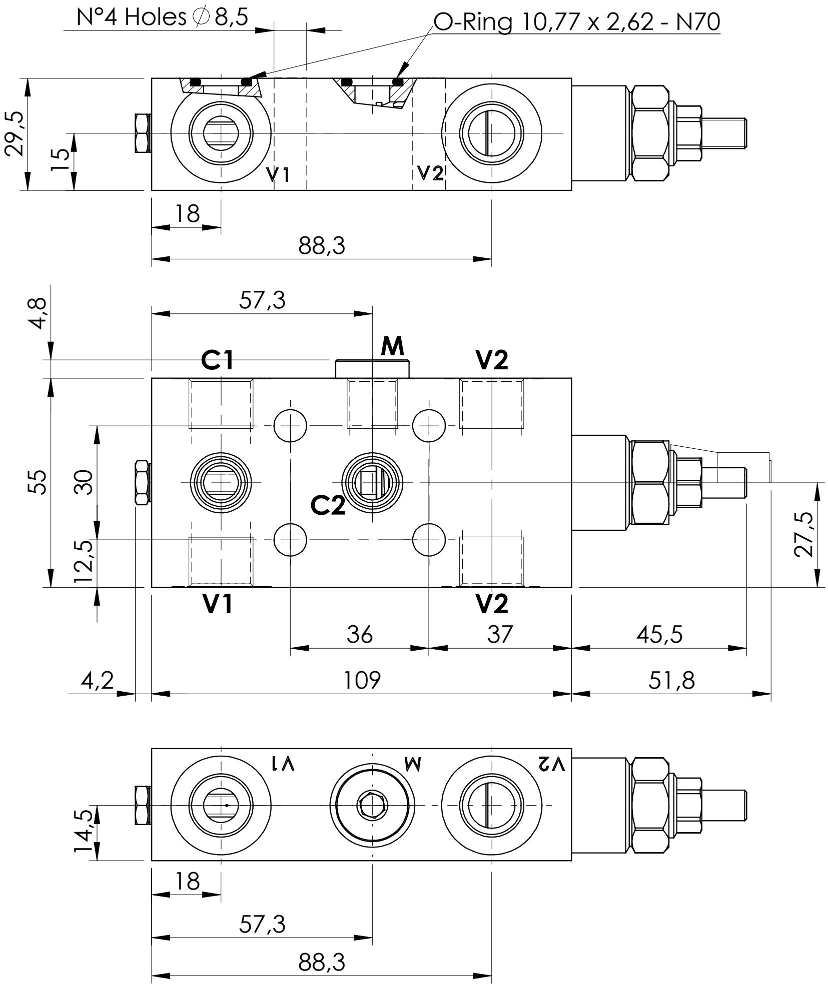
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000236	MBSN-060-AATV-04-G38-N350	4,2:1	V1,V2: **G 3/8"** C2: ∅ **9**	350	100-350	138
MB000234	MBSN-060-AATV-04-G38-N200	4,2:1	V1,V2: **G 3/8"** C2: ∅ **9**	200	60-210	62

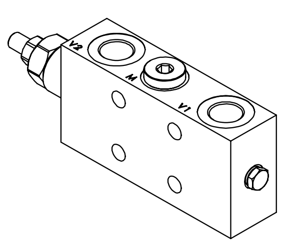
OVERCENTRE VALVE

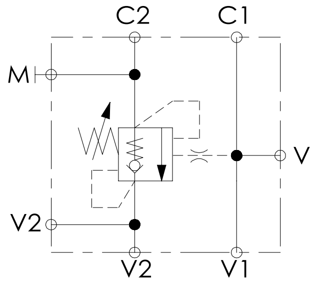
MBSN-060-ABNP

SINGLE ACTING
TWO FLANGED PORTS

ATLANTIC Fluid Tech





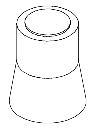


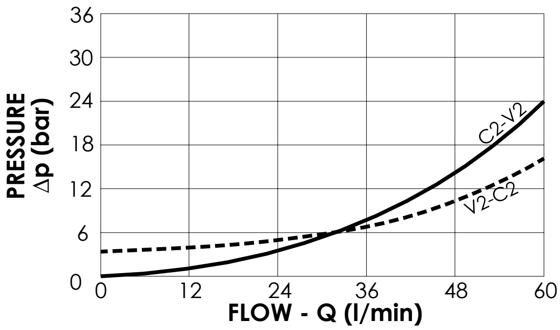
SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Manifold:	**Steel**
Weight:	**1,27 kg**

SEALING CAP

Ordering code:
AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

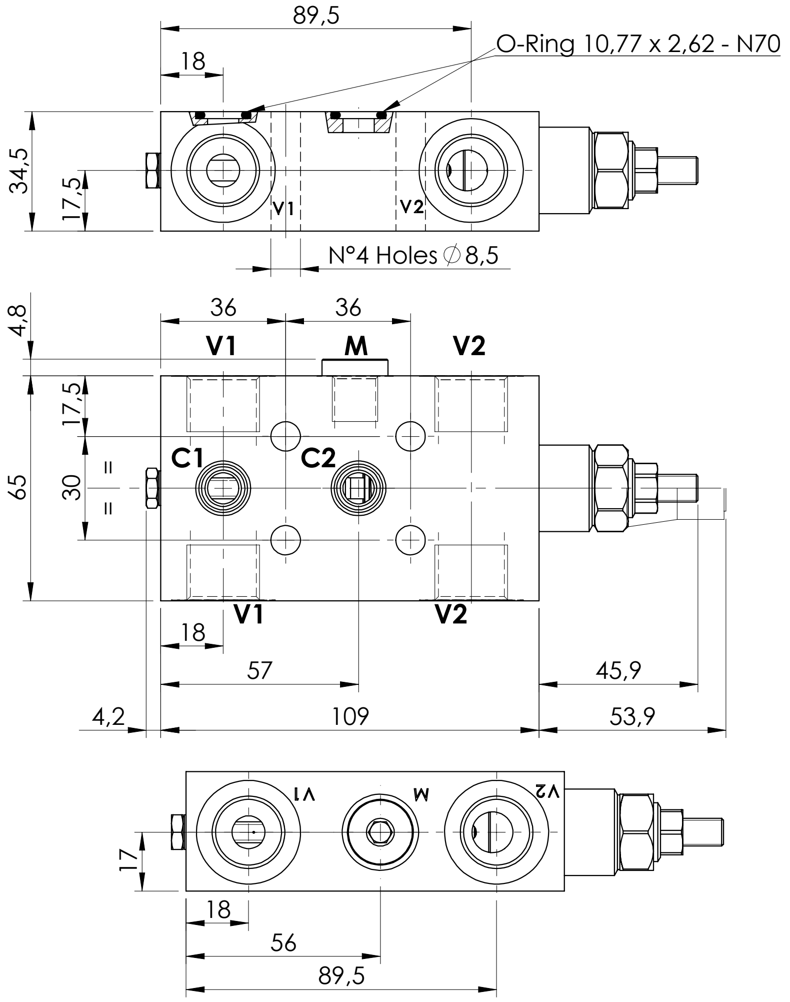
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000139	**MBSN-060-ABNP-04-G38-N350**	**4,2:1**	V1, V2: **G3/8"** M:**G1/4"** C1, C2: **Ø 9**	**350**	**100-350**	**138**
MB000914	**MBSN-060-ABNP-04-G38-N200**	**4,2:1**	V1, V2: **G3/8"** M:**G1/4"** C1, C2: **Ø 9**	**200**	**60-210**	**62**

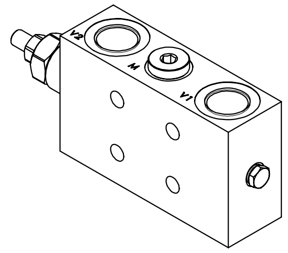
OVERCENTRE VALVE

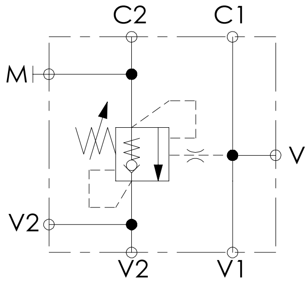
MBSN-060-ABNP

SINGLE ACTING
TWO FLANGED PORTS

ATLANTIC Fluid Tech







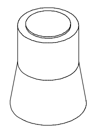
SPECIFICATIONS

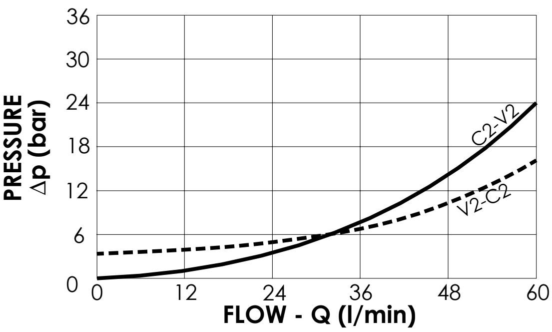
Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Manifold:	**Steel**
Weight:	**1,69 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

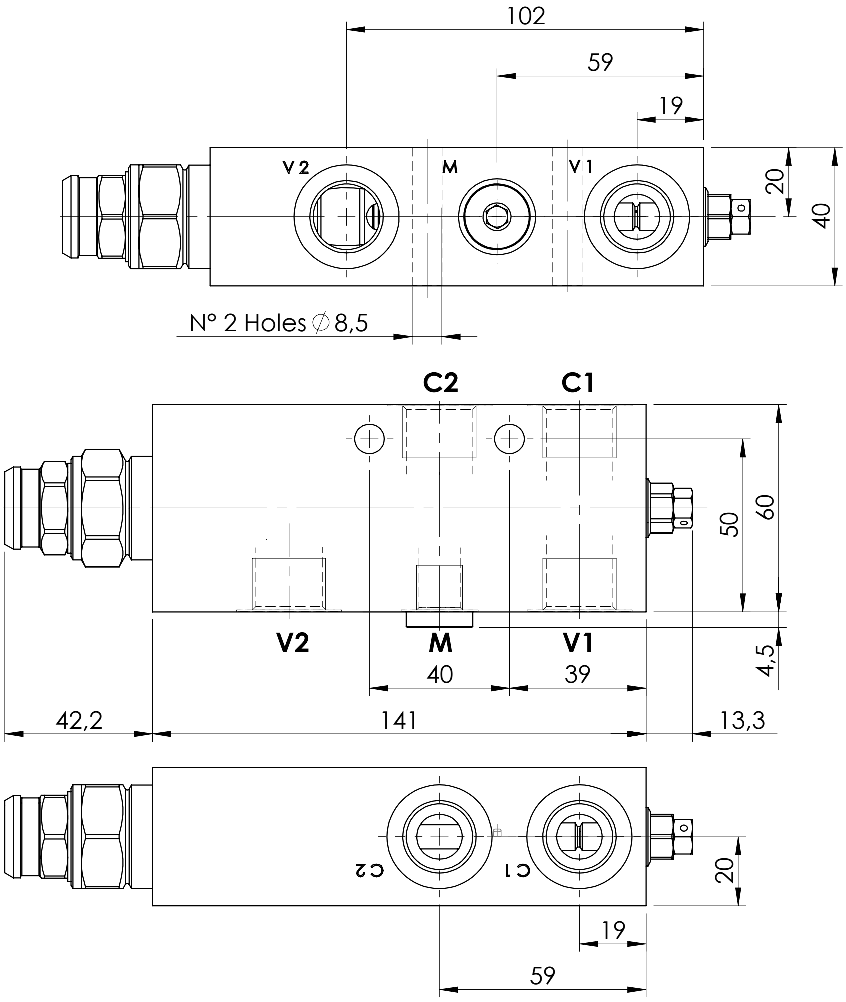
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000140	MBSN-060-ABNP-04-G12-N350	4,2:1	V1, V2 :**G1/2"** M:**G1/4"** C1, C2 : **Ø9**	350	100-350	138

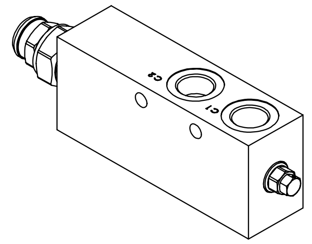
OVERCENTRE VALVE

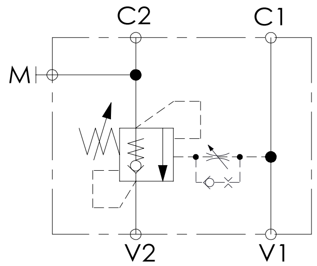
MBSN-150-ALNV

SINGLE ACTING

ATLANTIC Fluid Tech







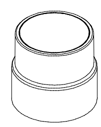
SPECIFICATIONS

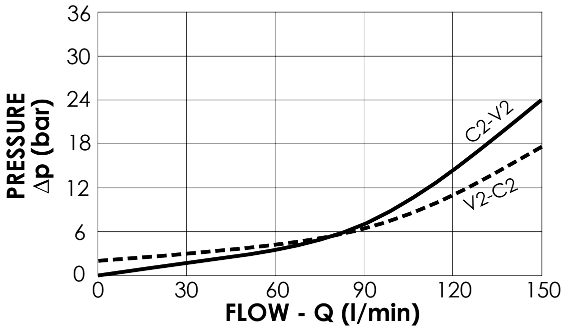
Max. operating pressure:	**350 bar**
Rated flow:	**150 l/min**
Manifold:	**Steel**
Weight:	**2,49 kg**

SEALING CAP

Ordering code:

ST000012





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

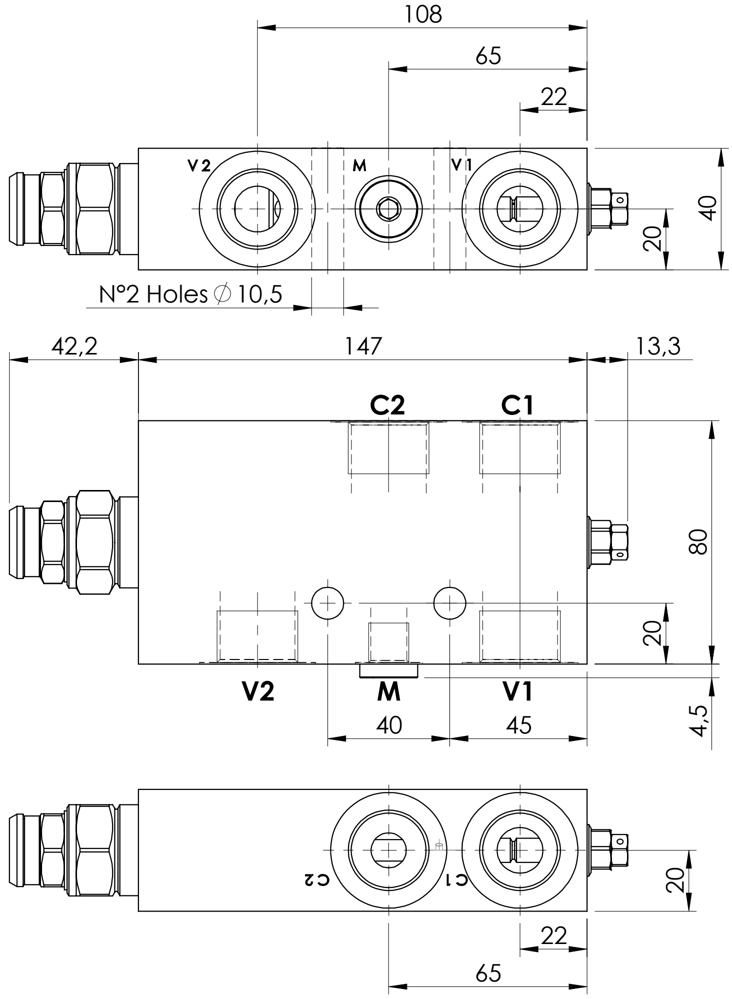
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000047	**MBSN-150-ALNV-04-G12-N350**	**4:1**	V1,V2: **G 1/2"** M: **G1/4"** C1, C2: **G1/2"**	**350**	**100-350**	**104**

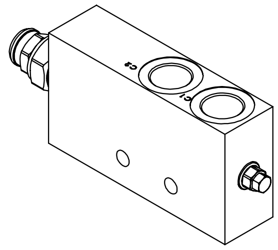
OVERCENTRE VALVE

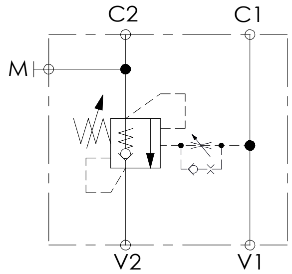
MBSN-150-ALNV

SINGLE ACTING

ATLANTIC Fluid Tech







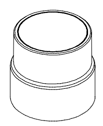
SPECIFICATIONS

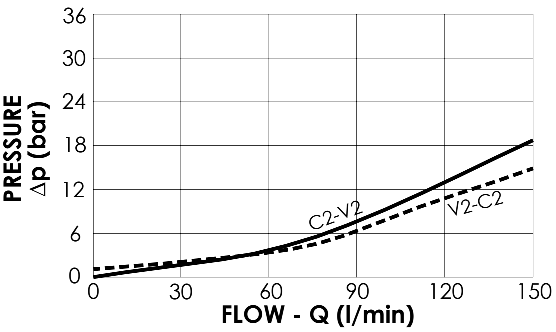
Max. operating pressure:	**350 bar**
Rated flow:	**150 l/min**
Manifold:	**Steel**
Weight:	**3,25 kg**

SEALING CAP

Ordering code:

ST000012





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

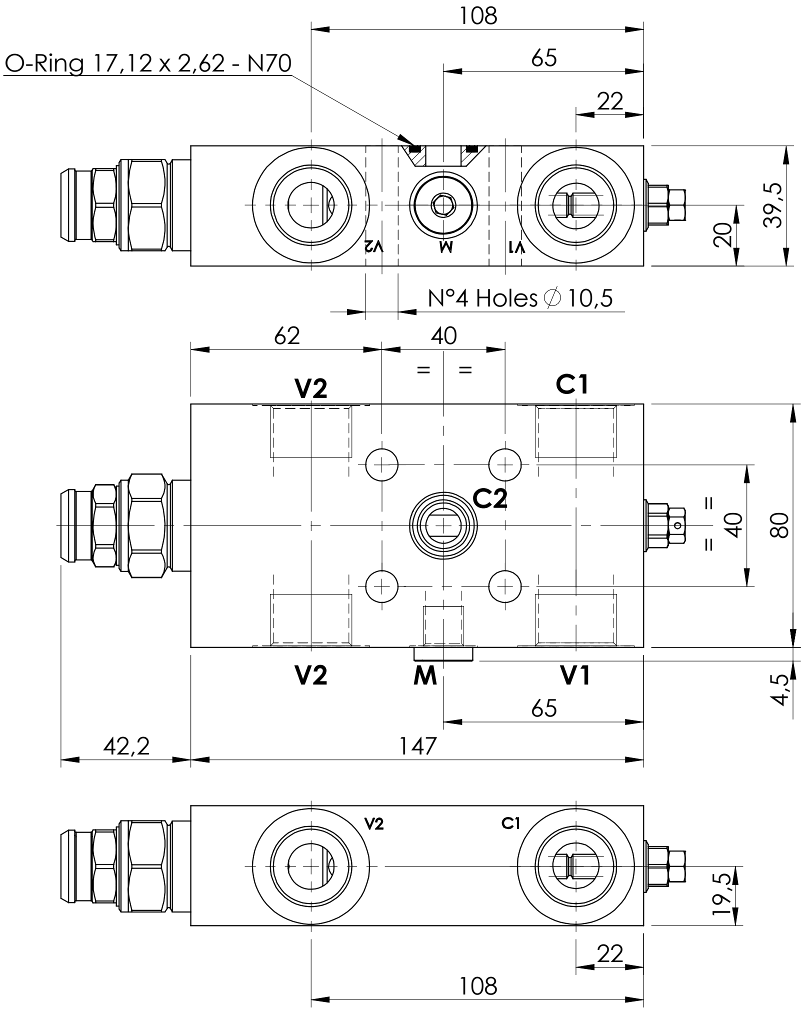
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000215	MBSN-150-ALNV-04-G34-N350	4:1	V1, V2: **G3/4"** M:**G1/4"** C1, C2: **G3/4"**	350	100-350	104

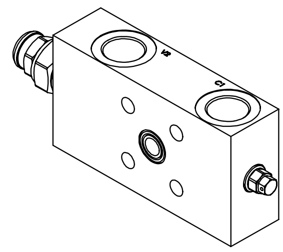
OVERCENTRE VALVE

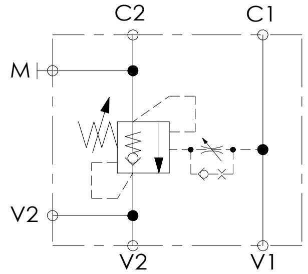
MBSN-150-AANV

SINGLE ACTING
ONE FLANGED PORT

ATLANTIC Fluid Tech





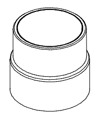


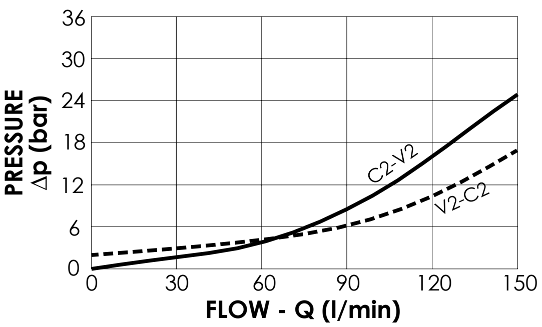
SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**150 l/min**
Manifold:	**Steel**
Weight:	**3,14 kg**

SEALING CAP

Ordering code:
ST000012





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

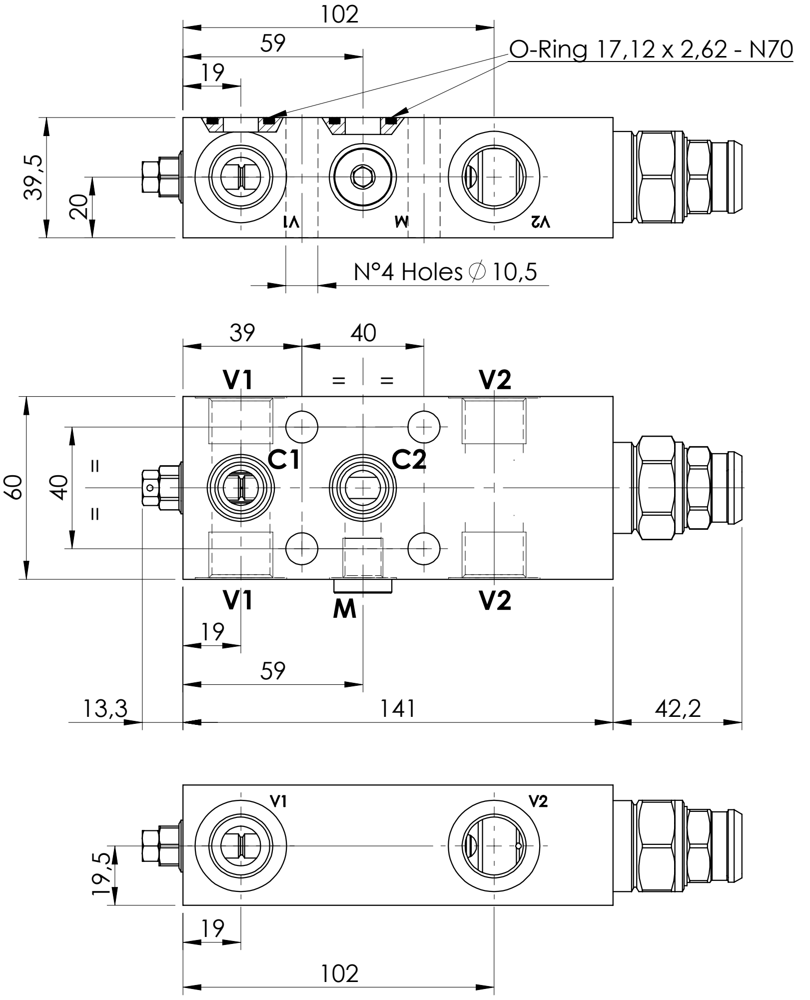
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000426	**MBSN-150-AANV-04-G34-N350**	**4:1**	V1, V2, C1: **G3/4"** M: **G1/4"** C2: **Ø11.5**	**350**	**100-350**	**104**

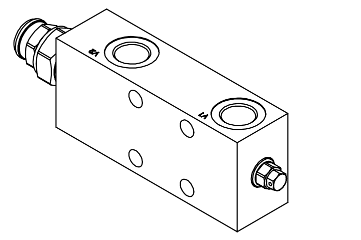
OVERCENTRE VALVE

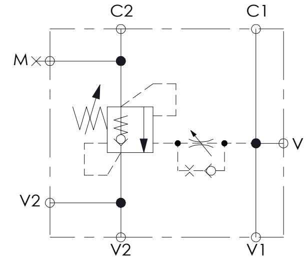
MBSN-150-ABNV

SINGLE ACTING
TWO FLANGED PORTS

ATLANTIC Fluid Tech







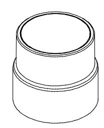
SPECIFICATIONS

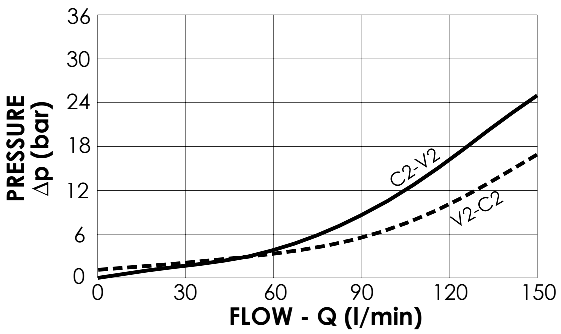
Max. operating pressure:	**350 bar**
Rated flow:	**150 l/min**
Manifold:	**Steel**
Weight:	**2,37 kg**

SEALING CAP

Ordering code:

ST000012





NOTES

Setting: at least 1.3 times the load induced pressure

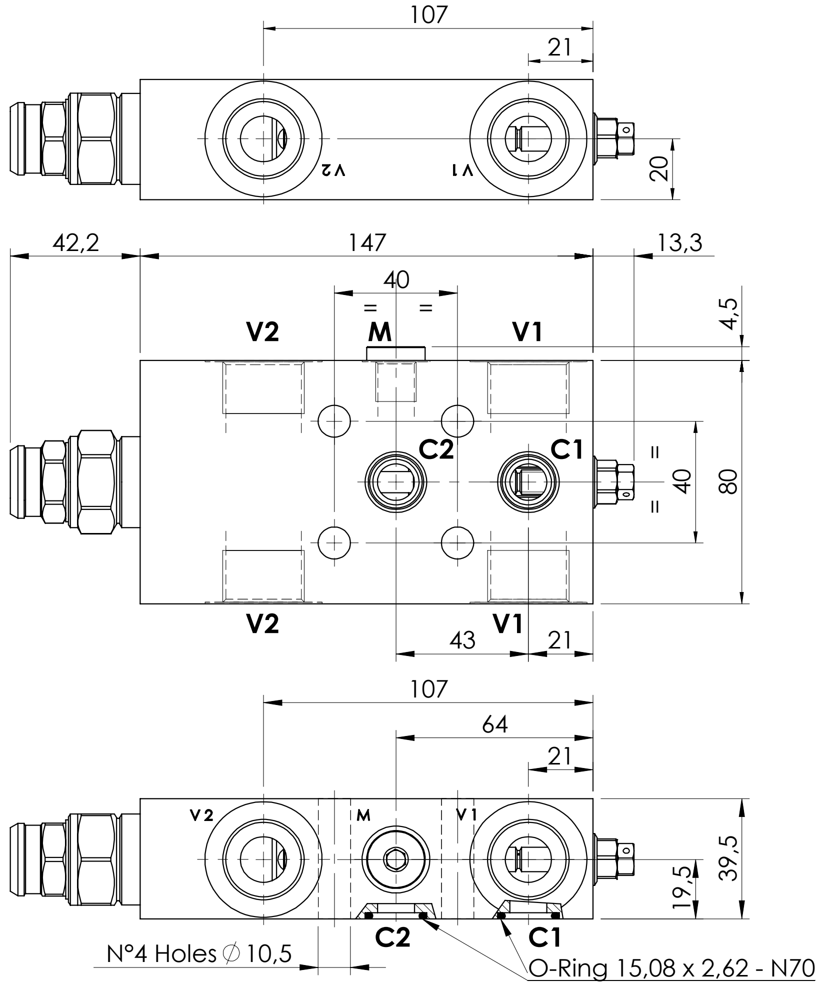
ORDERING CODES

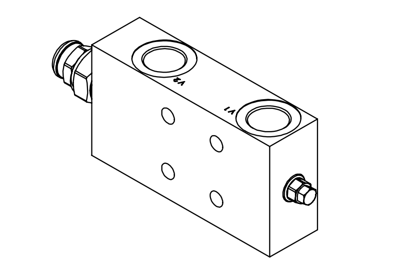
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000156	**MBSN-150-ABNV-04-G12-N350**	**4:1**	V1, V2: **G1/2"** M:**G1/4"** C1, C2: **Ø11.5**	**350**	**100-350**	**104**
MB000883	**MBSN-150-ABNV-08-G12-N350**	**8:1**	V1, V2: **G1/2"** M:**G1/4"** C1, C2: **Ø11.5**	**350**	**100-350**	**84**

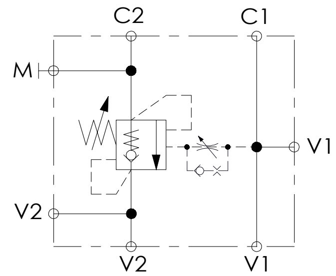
OVERCENTRE VALVE

MBSN-150-ABNV

SINGLE ACTING
TWO FLANGED PORTS







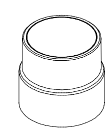
SPECIFICATIONS

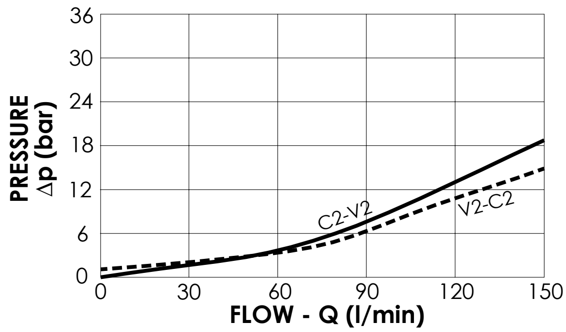
Max. operating pressure:	**350 bar**
Rated flow:	**150 l/min**
Manifold:	**Steel**
Weight:	**3,13 kg**

SEALING CAP

Ordering code:

ST000012





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

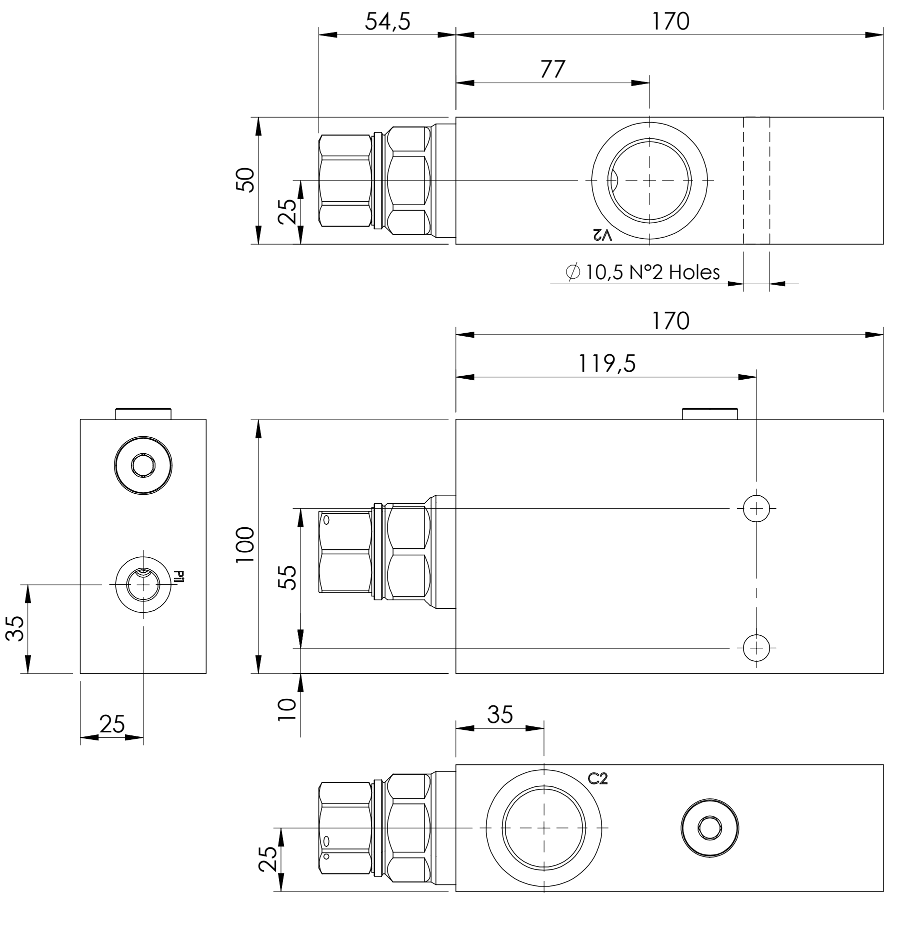
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000216	**MBSN-150-ABNV-04-G34-N350**	**4:1**	V1, V2: **G3/4"** M: **G1/4"** C1, C2: **Ø12**	**350**	**100-350**	**104**

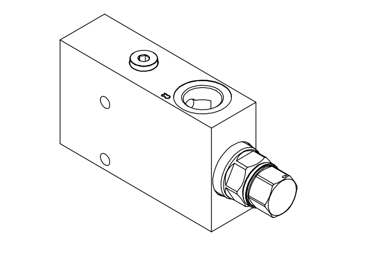
OVERCENTRE VALVE

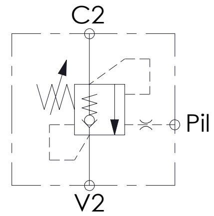
MBSN-300-ZLNP

SINGLE ACTING
IN LINE PORTS

ATLANTIC Fluid Tech

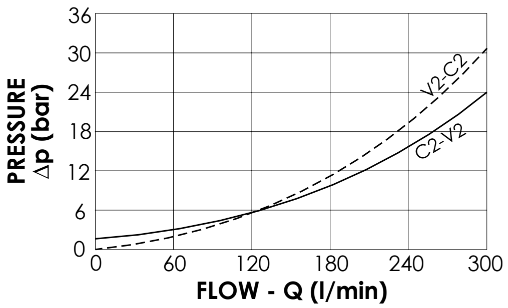






SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**300 l/min**
Weight: Aluminium 2,61 kg;Steel 6,14 kg	



NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

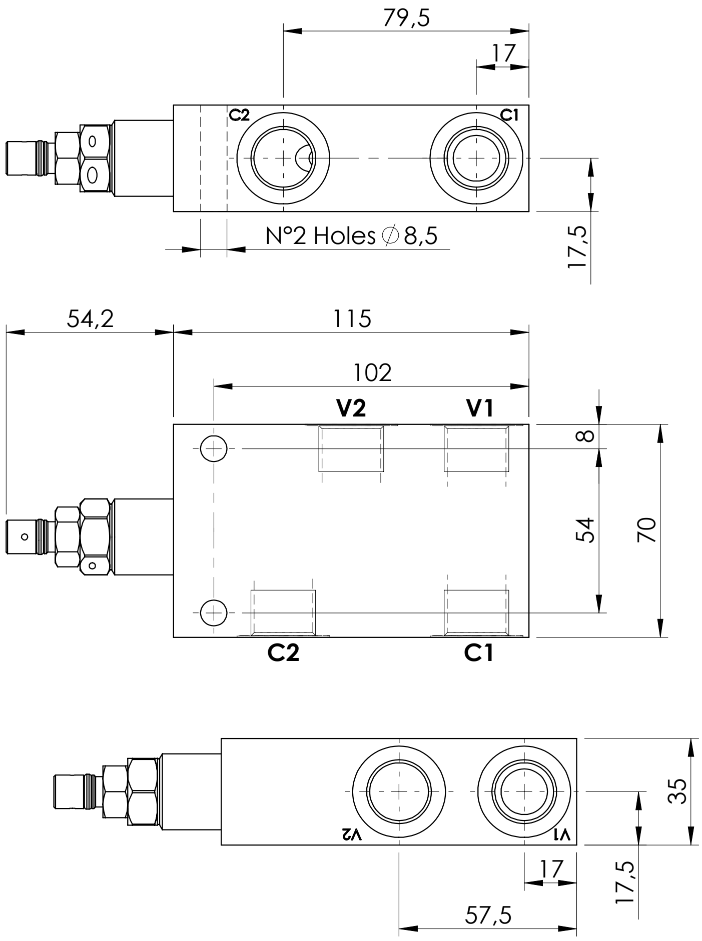
Quick code	Description	Pilot ratio	Manifold material	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000720	**MBSN-300-ZLNP-04-G10-N350**	**4:1**	**Aluminium**	C2,V2: **G 1"** Pil: **G 1/4"**	**350**	**100-350**	**75**
MB000834	**MBSN-300-ALNP-04-G10-N350**	**4:1**	**Steel**	C2,V2: **G 1"** Pil: **G 1/4"**	**350**	**100-350**	**75**
MB000836	**MBSN-300-ALNP-04-G10-N200**	**4:1**	**Steel**	C2,V2: **G 1"** Pil: **G 1/4"**	**200**	**60-210**	**46**

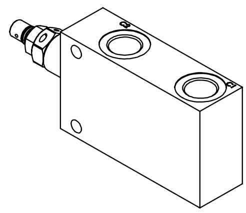
OVERCENTRE VALVE

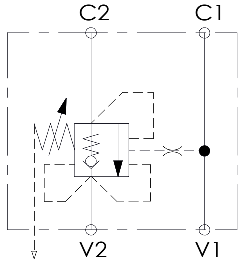
MBSP-060-ZLSE

SINGLE ACTING RELIEF COMPENSATED

ATLANTIC Fluid Tech

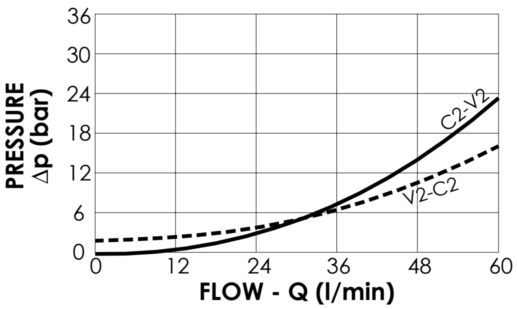






SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Manifold:	**Aluminium**
Weight:	**0,8 Kg**



NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

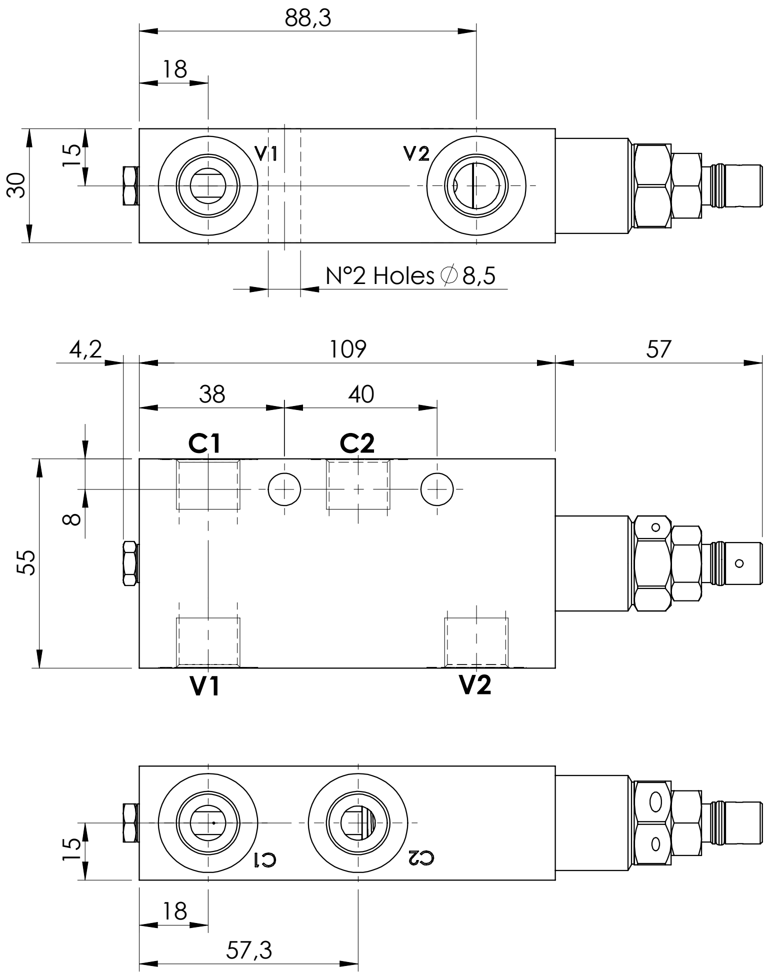
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar,Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000722	**MBSP-060-ZLSE-04-G12-N350**	**4,2:1**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**350**	**100-350**	**138**

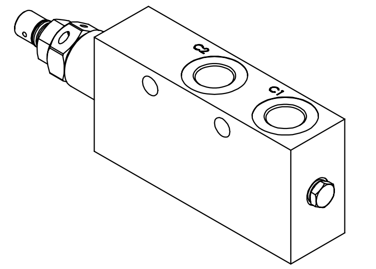
OVERCENTRE VALVE

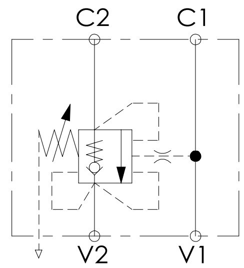
MBSP-060-ALNP

SINGLE ACTING RELIEF COMPENSATED

ATLANTIC Fluid Tech

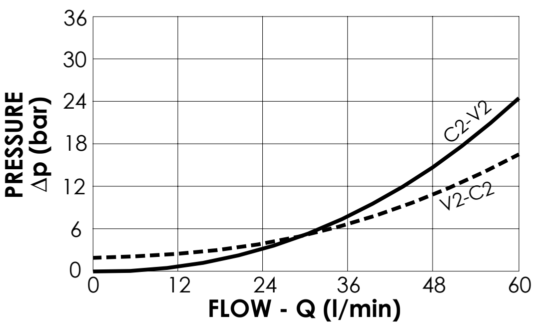






SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Manifold:	**Steel**
Weight:	**1,35 kg**



NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

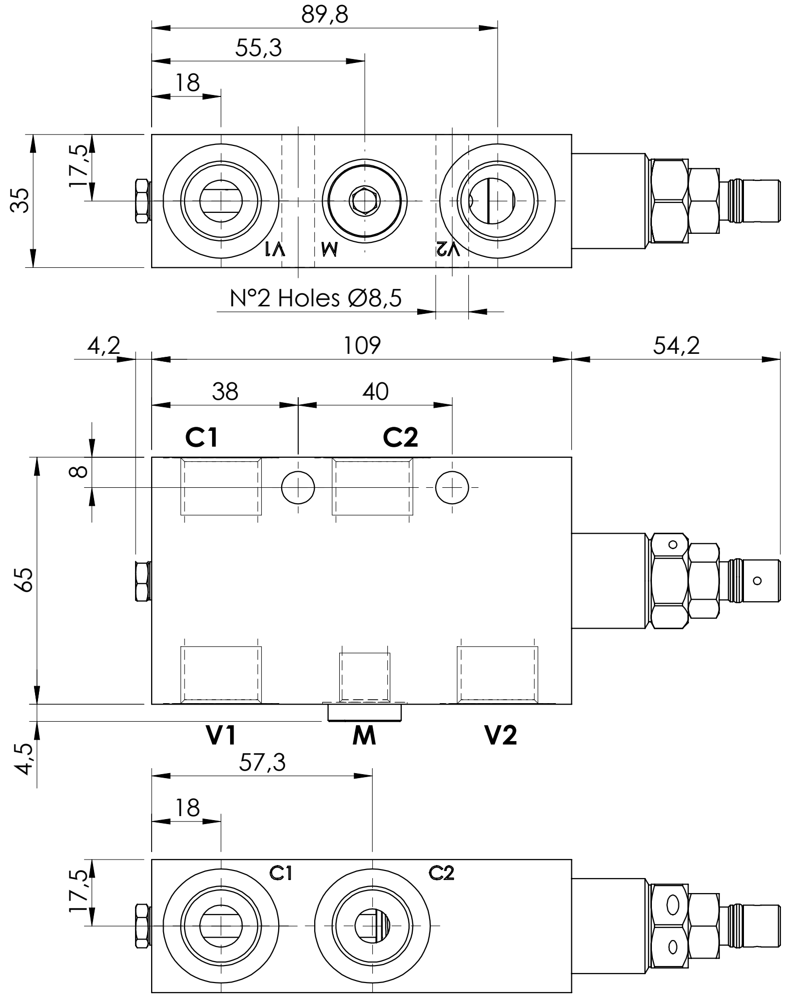
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000209	**MBSP-060-ALNP-04-G38-N350**	**4,2:1**	V1, V2: **G3/8"** C1, C2: **G3/8"**	**350**	**100-350**	**166**
MB000896	**MBSP-060-ALNP-04-G38-N200**	**4,2:1**	V1, V2: **G3/8"** C1, C2: **G3/8"**	**200**	**60-210**	**75**

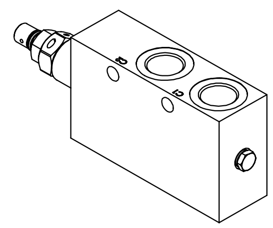
OVERCENTRE VALVE

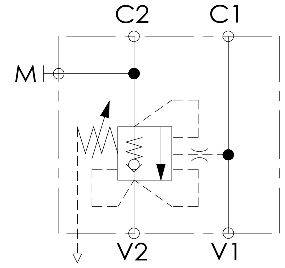
MBSP-060-ALNE

SINGLE ACTING
RELIEF COMPENSATED

ATLANTIC Fluid Tech

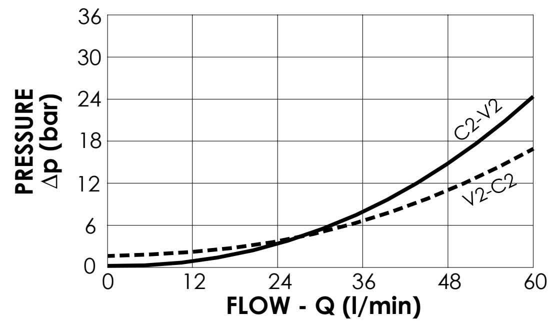






SPECIFICATIONS

Max. operating pressure:	350 bar
Rated flow:	60 l/min
Manifold:	Steel
Weight:	1,8 kg



NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

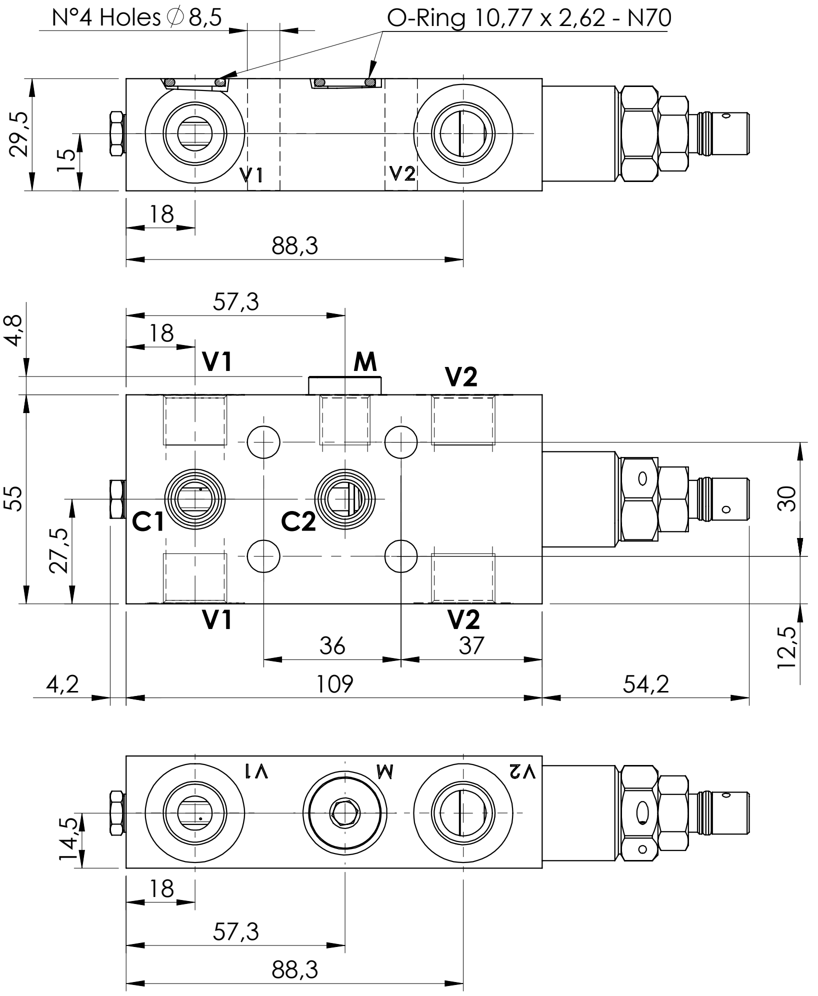
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000197	MBSP-060-ALNE-04-G12-N350	4,2:1	V1,V2,C1,C2: **G1/2"** M: **G1/4"**	350	100-350	139

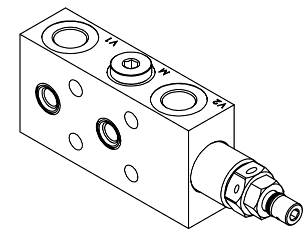
OVERCENTRE VALVE

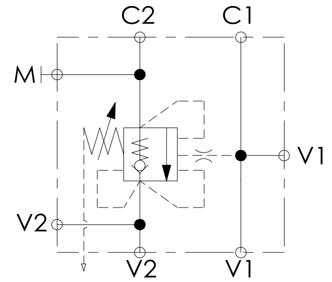
MBSN-060-ABNE

SINGLE ACTING
TWO FLANGED PORTS
RELIEF COMPENSATED

ATLANTIC Fluid Tech

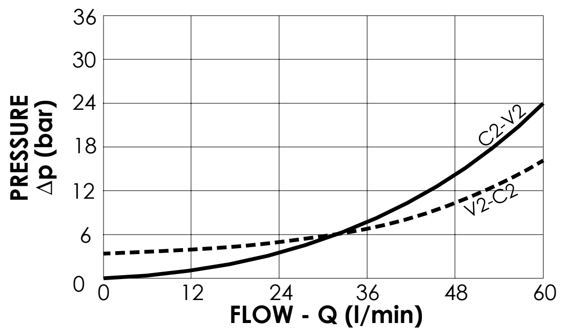






SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Manifold:	**Steel**
Weight:	**1,29 kg**



NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

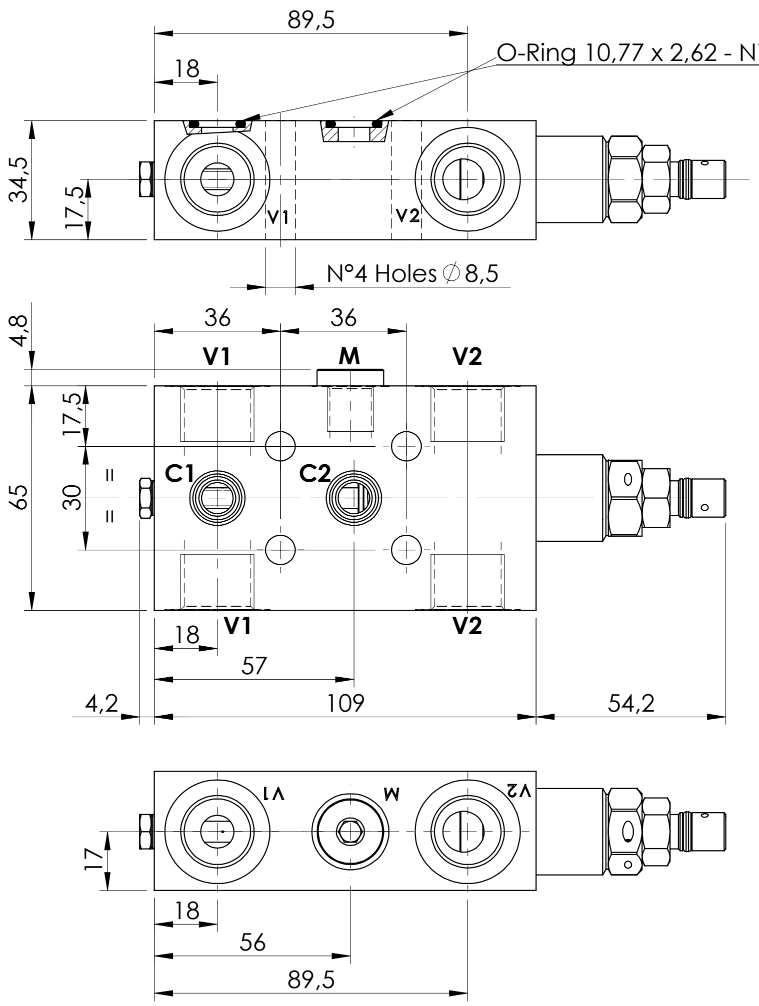
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000473	**MBSP-060-ABNE-04-G38-N350**	**4,2:1**	V1, V2: **G3/8"** M:**G1/4"** C1, C2: **Ø 9**	**350**	**100-350**	**166**
MB001018	**MBSP-060-ABNE-04-G38-N200**	**4,2:1**	V1, V2: **G3/8"** M:**G1/4"** C1, C2: **Ø 9**	**200**	**60-210**	**75**

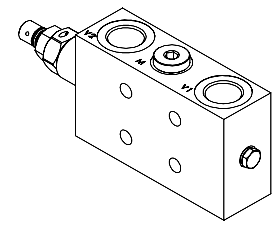
OVERCENTRE VALVE

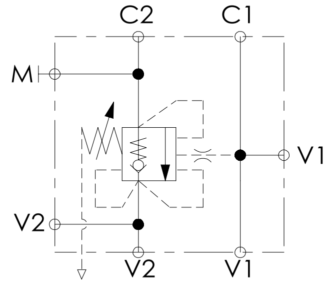
MBSP-060-ABNP

SINGLE ACTING
TWO FLANGED PORTS
RELIEF COMPENSATED

ATLANTIC Fluid Tech

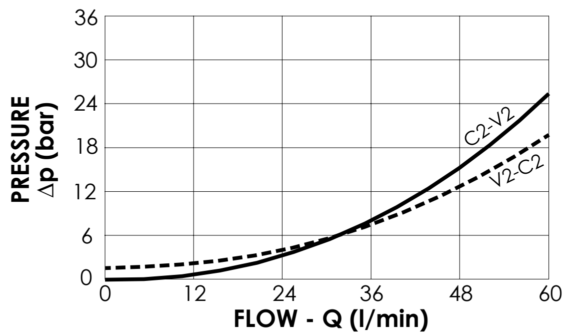






SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Manifold:	**Steel**
Weight:	**1,72 kg**



NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

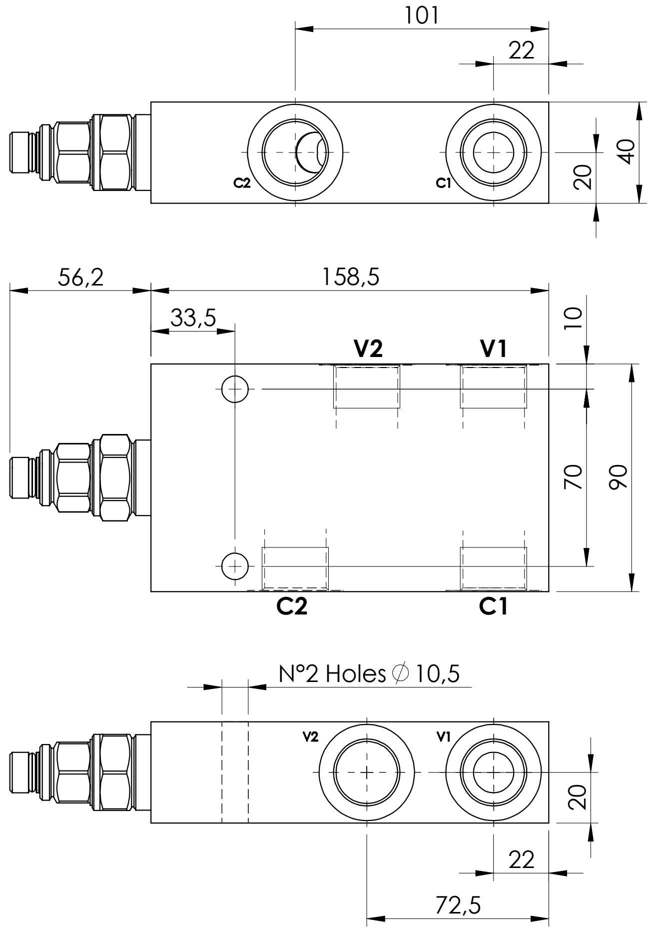
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000335	**MBSP-060-ABNP-04-G12-N350**	**4,2:1**	V1, V2 :**G1/2"** M:**G1/4"** C1, C2 : **Ø9**	**350**	**100-350**	**138**

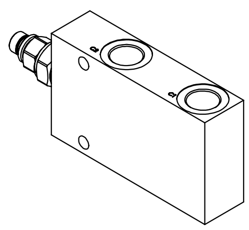
OVERCENTRE VALVE

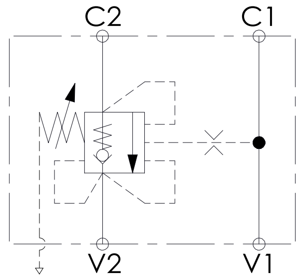
MBSP-150-ZLSE

SINGLE ACTING RELIEF COMPENSATED

ATLANTIC Fluid Tech

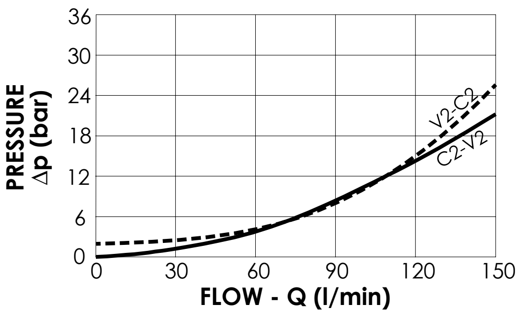






SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**150 l/min**
Weight:	**Aluminium 1,6 kg; Steel 3.9 kg**



NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

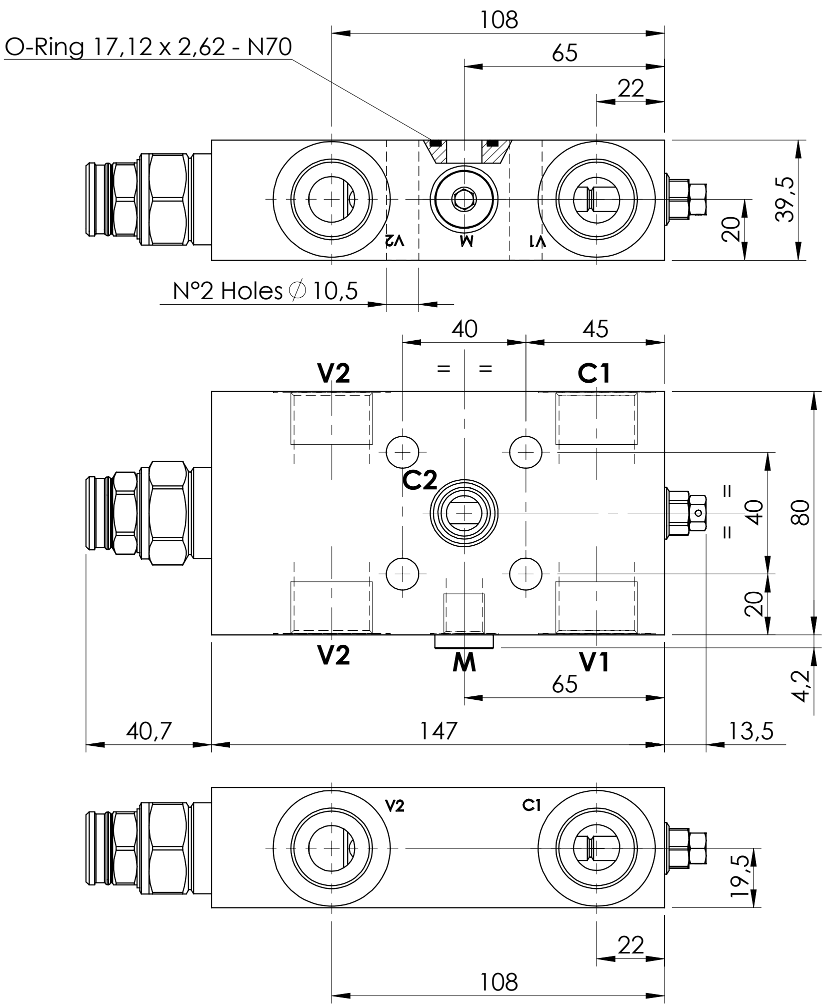
Quick code	Description	Pilot ratio	Manifold material	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000500	**MBSP-150-ZLSE-08-G34-N350**	**8:1**	**Aluminium**	V1, V2: **G3/4"** C1, C2: **G3/4"**	**350**	**100-350**	**83**
MB000501	**MBSP-150-ZLSE-08-G34-N200**	**8:1**	**Aluminium**	V1, V2: **G3/4"** C1, C2: **G3/4"**	**200**	**60-210**	**47**
MB000502	**MBSP-150-ALDE-08-G34-N350**	**8:1**	**Steel**	V1, V2: **G3/4"** C1, C2: **G3/4"**	**350**	**100-350**	**83**
MB000503	**MBSP-150-ALDE-08-G34-N200**	**8:1**	**Steel**	V1, V2: **G3/4"** C1, C2: **G3/4"**	**200**	**60-210**	**47**
MB000504	**MBSP-150-ZLSE-04-G34-N350**	**4:1**	**Aluminium**	V1, V2: **G3/4"** C1, C2: **G3/4"**	**350**	**100-350**	**104**
MB000505	**MBSP-150-ZLSE-04-G34-N200**	**4:1**	**Aluminium**	V1, V2: **G3/4"** C1, C2: **G3/4"**	**200**	**60-210**	**56**
MB000506	**MBSP-150-ALDE-04-G34-N350**	**4:1**	**Steel**	V1, V2: **G3/4"** C1, C2: **G3/4"**	**350**	**100-350**	**104**
MB000507	**MBSP-150-ALDE-04-G34-N200**	**4:1**	**Steel**	V1, V2: **G3/4"** C1, C2: **G3/4"**	**200**	**60-210**	**56**

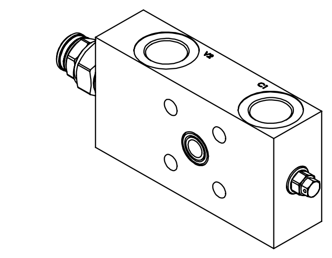
OVERCENTRE VALVE

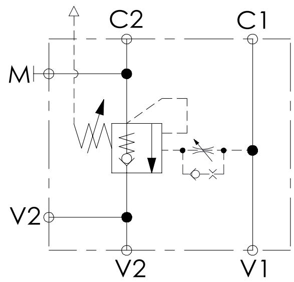
MBST-150-AANV

SINGLE ACTING
ONE FLANGED PORT
FULLY COMPENSATED

ATLANTIC Fluid Tech





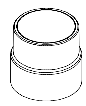


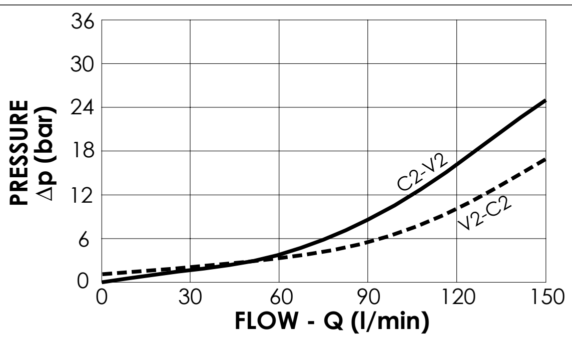
SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**150 l/min**
Manifold:	**Steel**
Weight:	**3,13 kg**

SEALING CAP

Ordering code:
ST000012





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

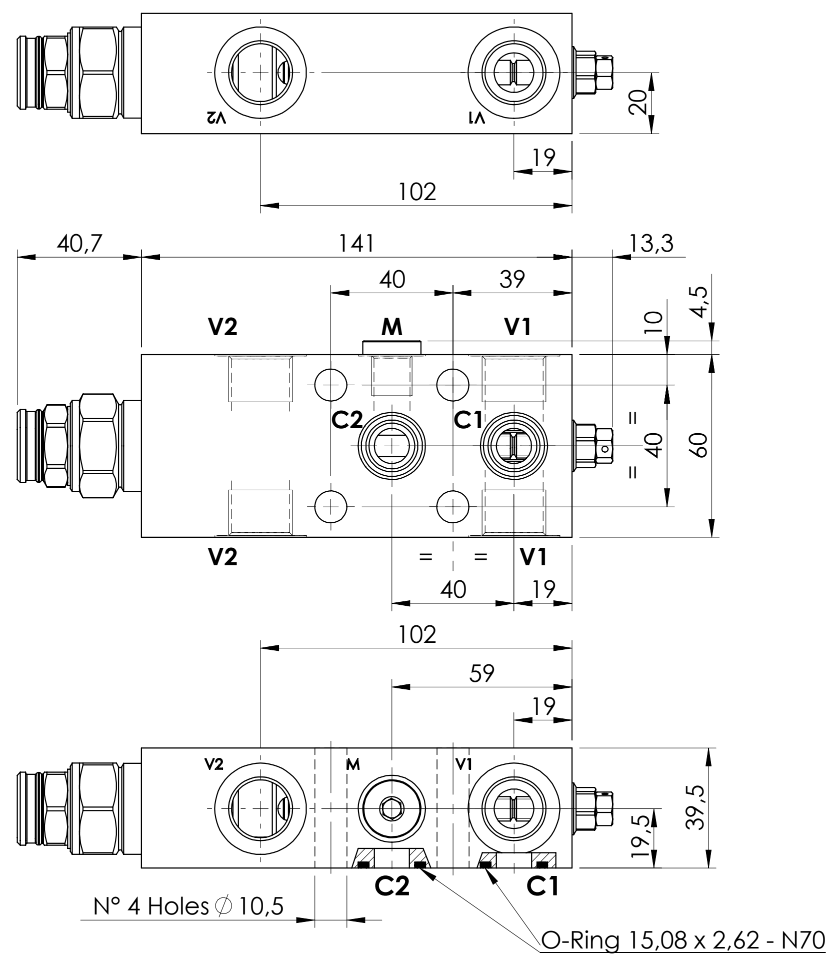
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000267	**MBST-150-AANV-04-G34-N350**	**4:1**	V1, V2, C1: **G3/4"** M: **G1/4"** C2: **Ø11.5**	**350**	**100-350**	**104**

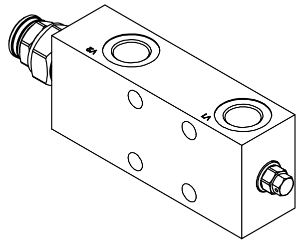
OVERCENTRE VALVE

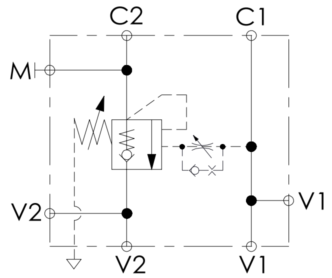
MBST-150-ABNV

SINGLE ACTING
TWO FLANGED PORTS
FULLY COMPENSATED

ATLANTIC Fluid Tech







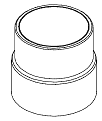
SPECIFICATIONS

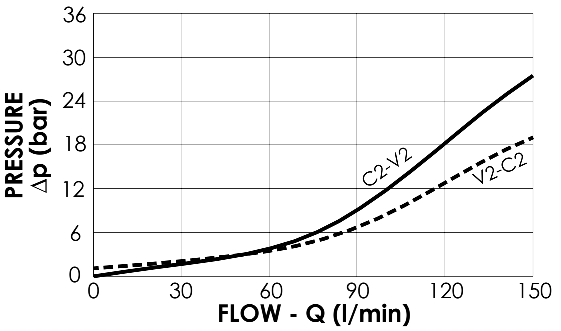
Max. operating pressure:	**350 bar**
Rated flow:	**150 l/min**
Manifold:	**Steel**
Weight:	**2,36 kg**

SEALING CAP

Ordering code:

ST000012





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

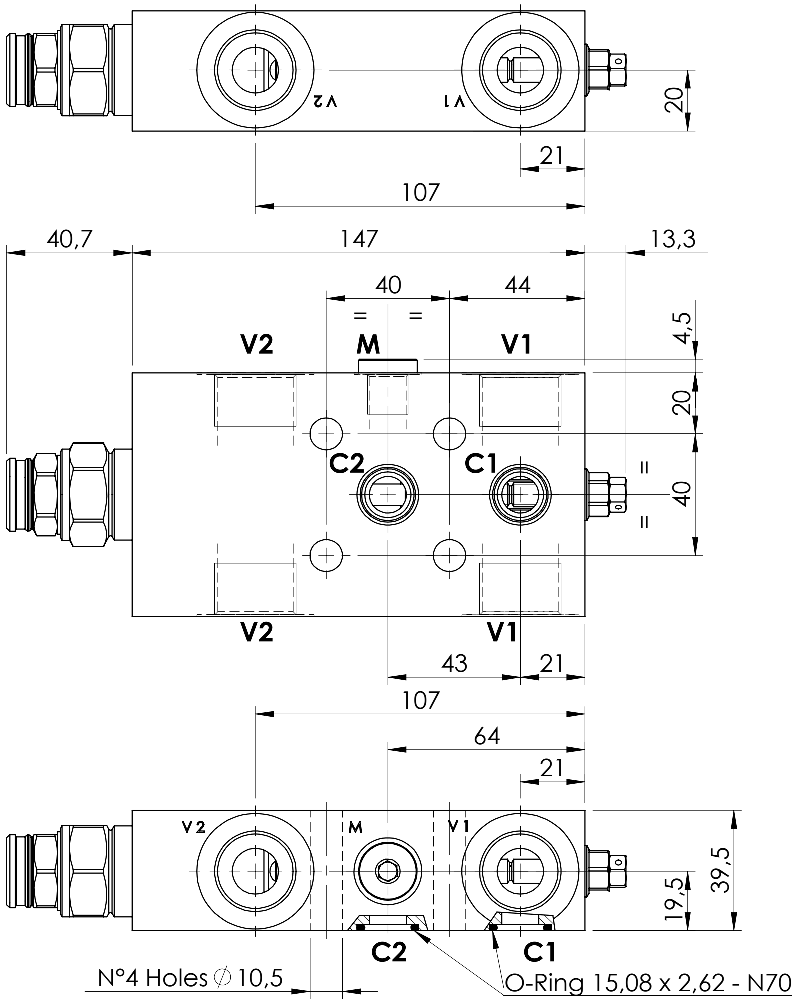
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000214	MBST-150-ABNV-04-G12-N350	4:1	V1, V2: **G1/2"** M:**G1/4"** C1, C2: **Ø11.5**	350	100-350	104
MB000667	MBST-150-ABNV-08-G12-N350	8:1	V1, V2: **G1/2"** M:**G1/4"** C1, C2: **Ø11.5**	350	100-350	101

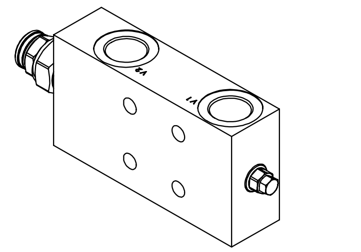
OVERCENTRE VALVE

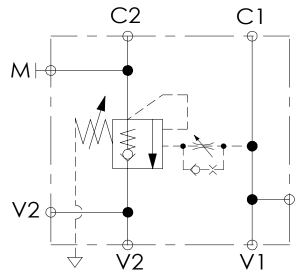
MBST-150-ABNV

SINGLE ACTING
TWO FLANGED PORTS
FULLY COMPENSATED

ATLANTIC Fluid Tech







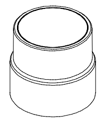
SPECIFICATIONS

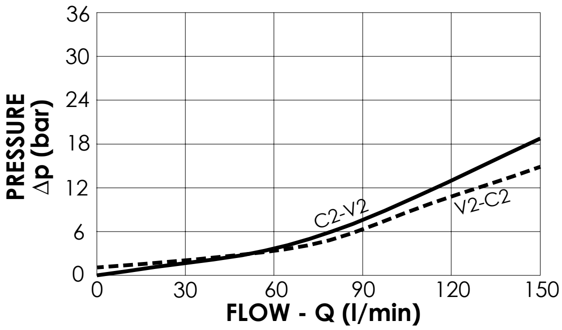
Max. operating pressure:	**350 bar**
Rated flow:	**150 l/min**
Manifold:	**Steel**
Weight:	**3,12 kg**

SEALING CAP

Ordering code:

ST000012





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

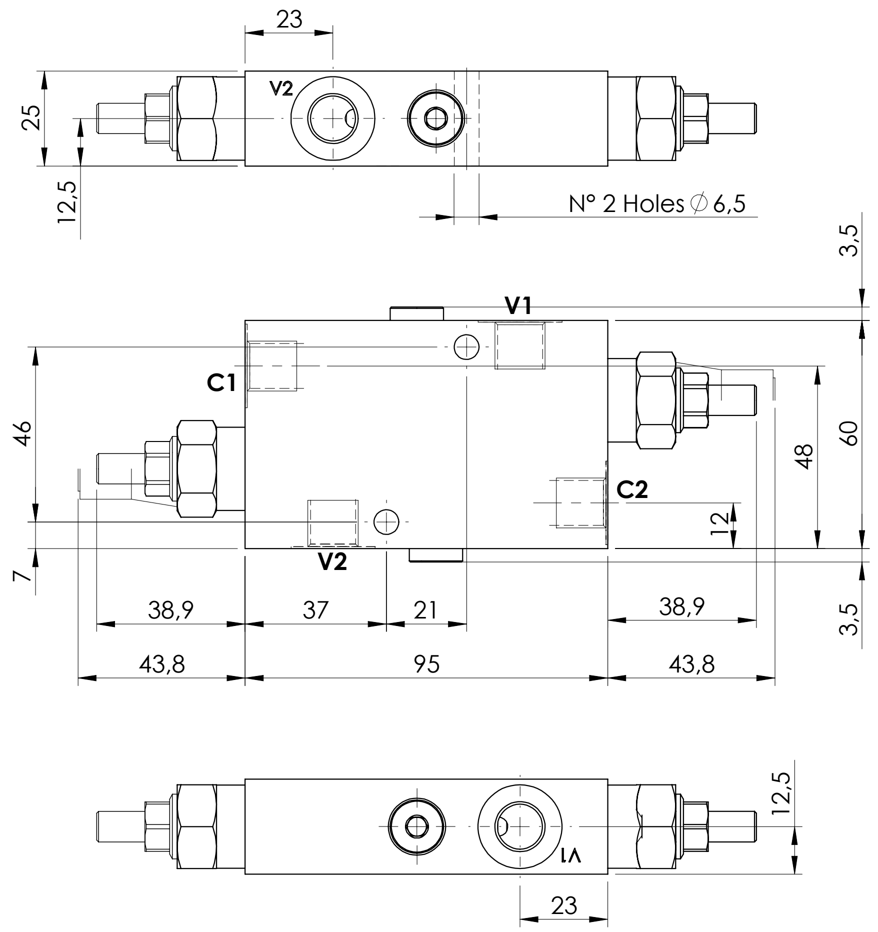
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000561	MBST-150-ABNV-04-G34-N350	4:1	V1, V2: **G3/4"** M: **G 1/4"** C1, C2: **Ø12**	350	100-350	104

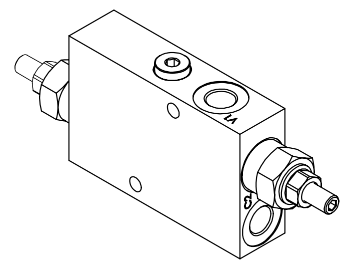
OVERCENTRE VALVE

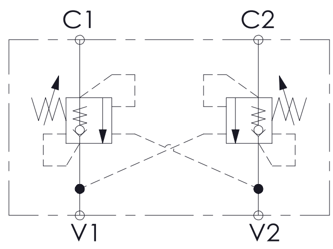
MBDN-040-ALNP

DOUBLE ACTING

ATLANTIC Fluid Tech







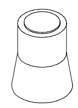
SPECIFICATIONS

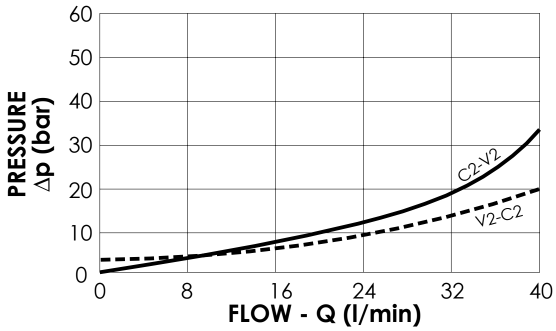
Max. operating pressure:	**350 bar**
Rated flow:	**40 l/min**
Manifold:	**Steel**
Weight:	**1,11 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

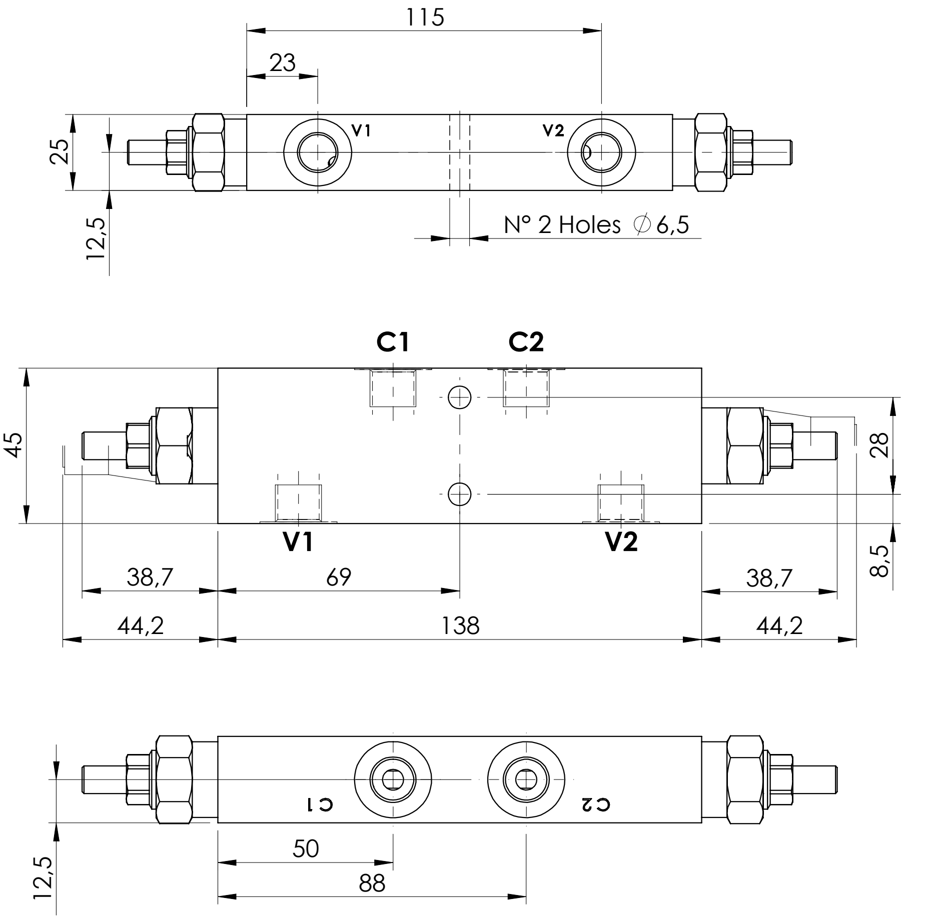
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000219	**MBDN-040-ALNP-04-G14-N350**	**4,1:1**	V1, V2: **G1/4"** C1, C2: **G1/4"**	**350**	**100-350**	**184**

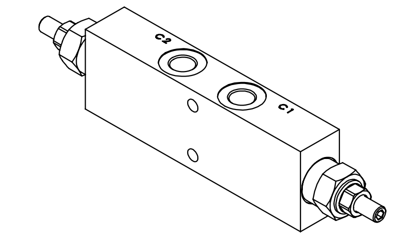
OVERCENTRE VALVE

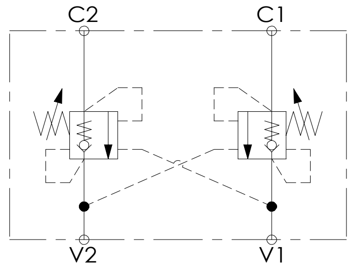
MBDN-040-ALNR

DOUBLE ACTING

ATLANTIC Fluid Tech







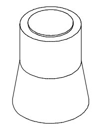
SPECIFICATIONS

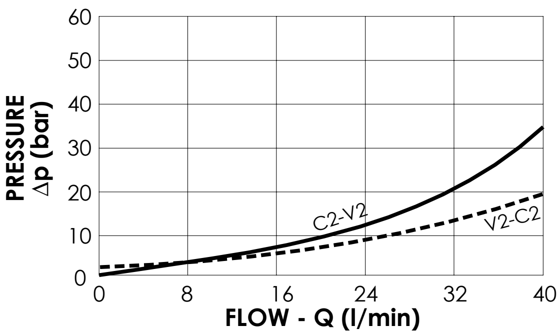
Max. operating pressure:	**350 bar**
Rated flow:	**40 l/min**
Manifold:	**Steel**
Weight:	**1,22 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

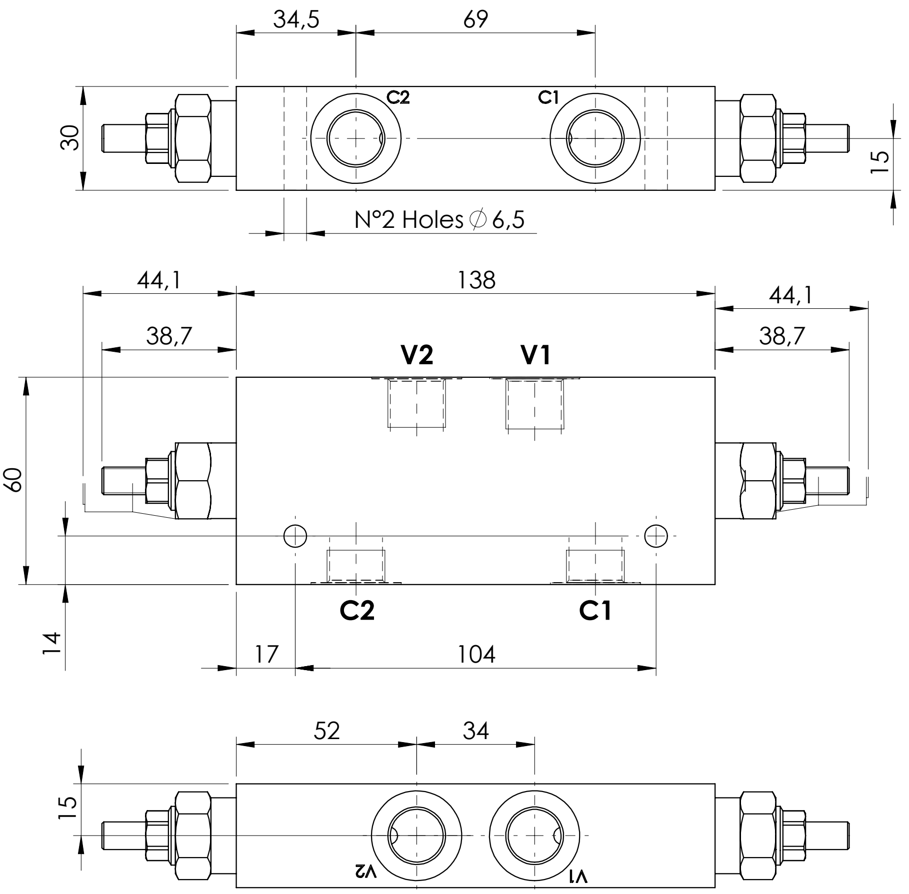
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000072	**MBDN-040-ALNR-04-G14-N350**	**4,1:1**	V1, V2: **G1/4"** C1, C2: **G1/4"**	**350**	**100-350**	**184**
MB000873	**MBDN-040-ALNR-04-G14-N200**	**4,1:1**	V1, V2: **G1/4"** C1, C2: **G1/4"**	**200**	**60-210**	**83**
MB000381	**MBDN-040-ALNR-07-G14-N350**	**7,5:1**	V1, V2: **G1/4"** C1, C2: **G1/4"**	**350**	**100-350**	**138**

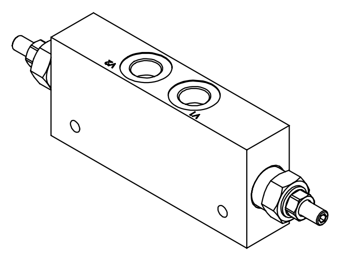
OVERCENTRE VALVE

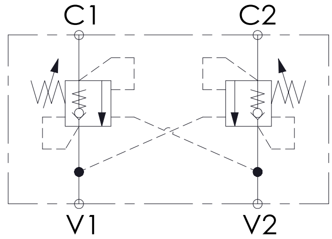
MBDN-040-ZLNN

DOUBLE ACTING

ATLANTIC Fluid Tech







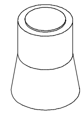
SPECIFICATIONS

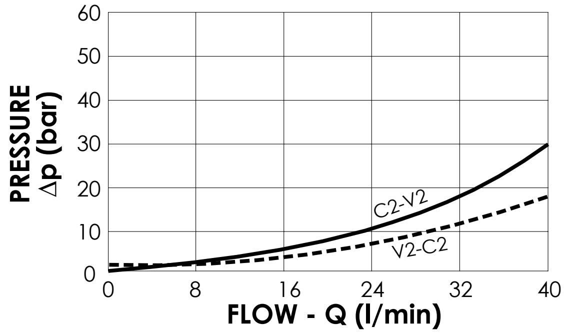
Max. operating pressure:	350 bar
Rated flow:	40 l/min
Manifold:	Aluminium
Weight:	0,78 kg

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

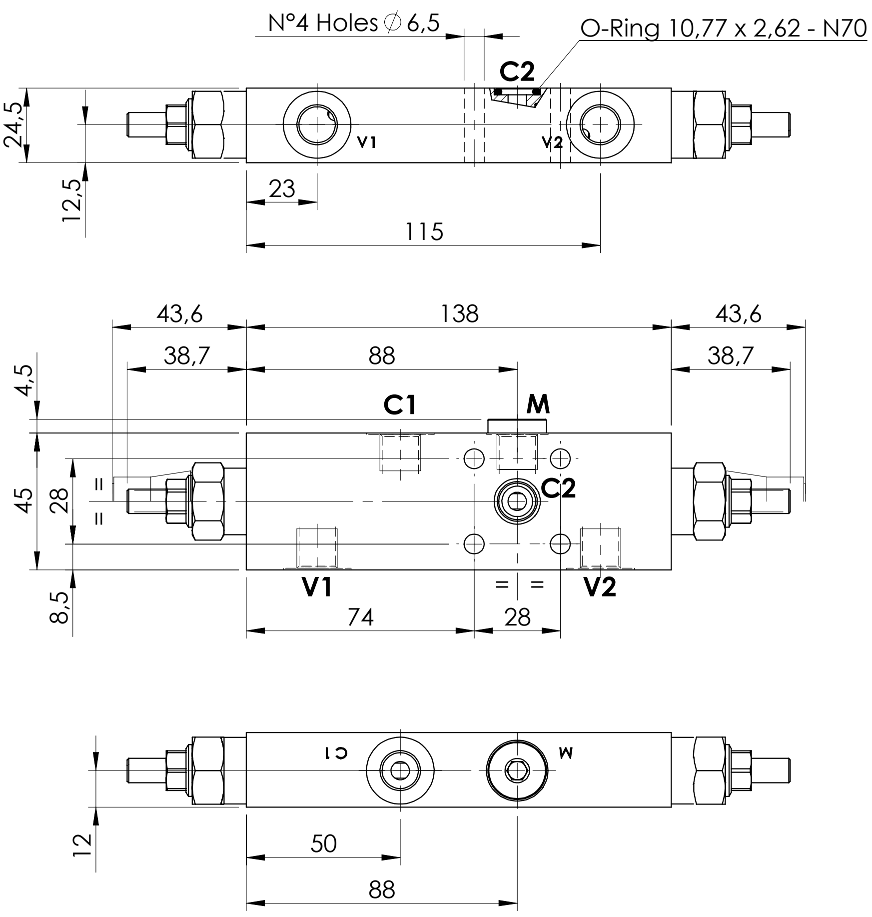
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000310	MBDN-040-ZLNN-04-G38-N350	4,1:1	V1,V2: **G 3/8"** C1,C2: **G 3/8"**	350	100-350	184
MB000311	MBDN-040-ZLNN-04-G38-N200	4,1:1	V1,V2: **G 3/8"** C1,C2: **G 3/8"**	200	60-210	83
MB000312	MBDN-040-ZLNN-04-G38-N100	4,1:1	V1,V2: **G 3/8"** C1,C2: **G 3/8"**	100	45-100	45
MB000341	MBDN-040-ZLNN-07-G38-N350	7,5:1	V1,V2: **G 3/8"** C1,C2: **G 3/8"**	350	100-350	138
MB000409	MBDN-040-ZLNN-07-G38-N200	7,5:1	V1,V2: **G 3/8"** C1,C2: **G 3/8"**	200	60-210	80

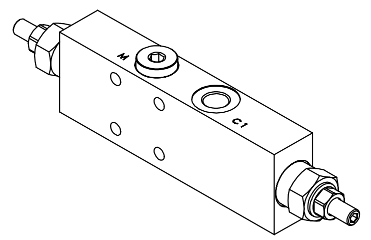
OVERCENTRE VALVE

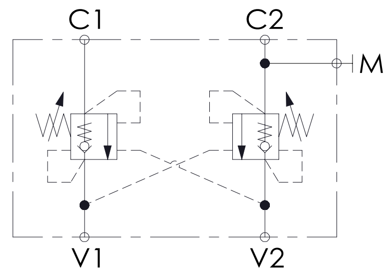
MBDN-040-AANR

DOUBLE ACTING ONE FLANGED PORT

ATLANTIC Fluid Tech







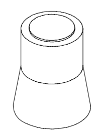
SPECIFICATIONS

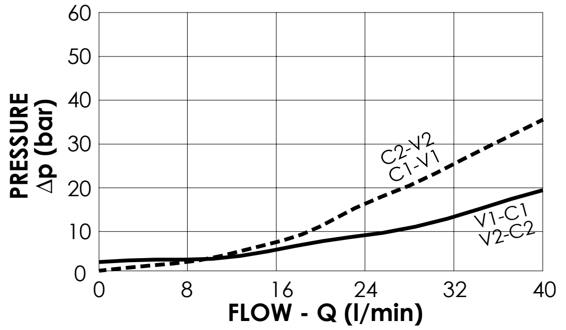
Max. operating pressure:	**350 bar**
Rated flow:	**40 l/min**
Manifold:	**Steel**
Weight:	**1,2 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

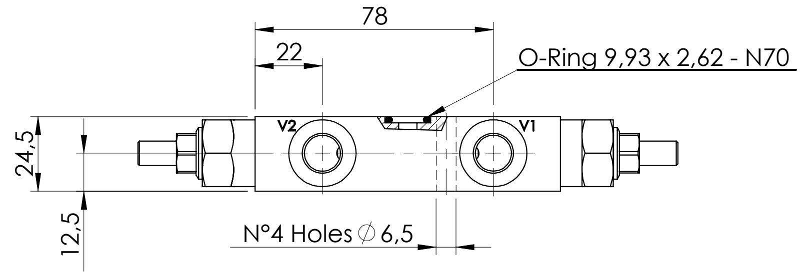
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000106	MBDN-040-AANR-04-G14-N350	4,1:1	V1, V2: **G1/4"** C1: **G1/4"** C2:**Ø6**	350	100-350	184
MB000583	MBDN-040-AANR-07-G14-N350	7,5:1	V1, V2: **G1/4"** C1: **G1/4"** C2:**Ø6**	350	100-350	138

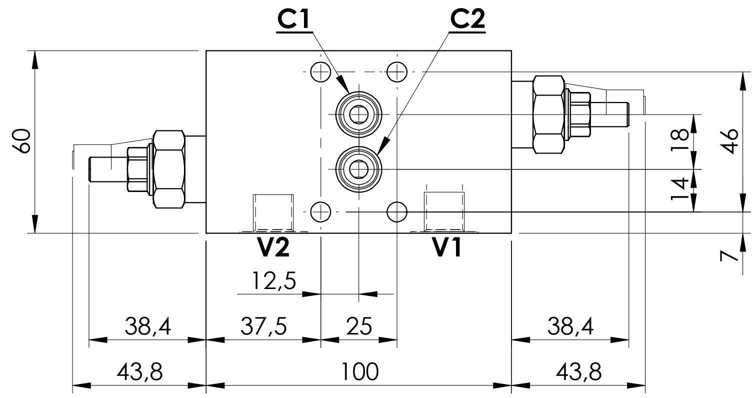
OVERCENTRE VALVE

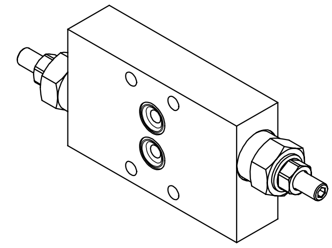
MBDN-040-ABNP

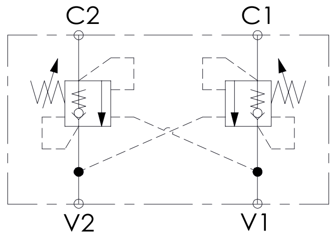
DOUBLE ACTING
TWO FLANGED PORTS

ATLANTIC Fluid Tech









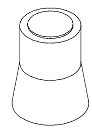
SPECIFICATIONS

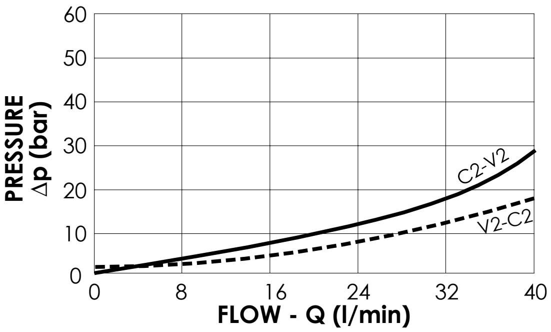
Max. operating pressure:	**350 bar**
Rated flow:	**40 l/min**
Manifold:	**Steel**
Weight:	**1,15 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

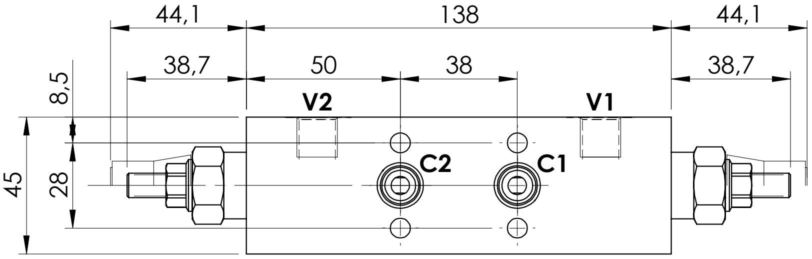
ORDERING CODES

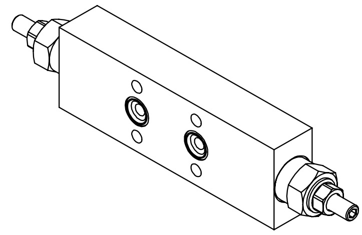
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000334	**MBDN-040-ABNP-04-G14-N350**	**4,1:1**	V1, V2: **G1/4"** C1, C2: **Ø6**	**350**	**100-350**	**184**

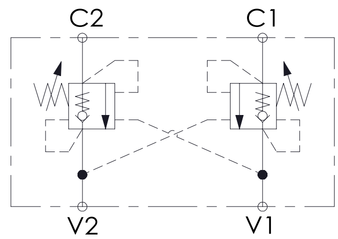
MBDN-040-ABNR

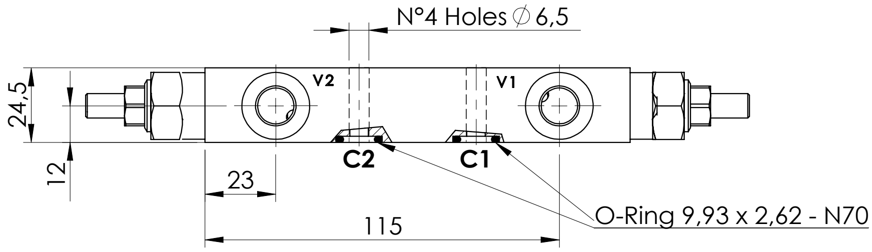
DOUBLE ACTING TWO FLANGED PORTS

ATLANTIC Fluid Tech









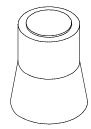
SPECIFICATIONS

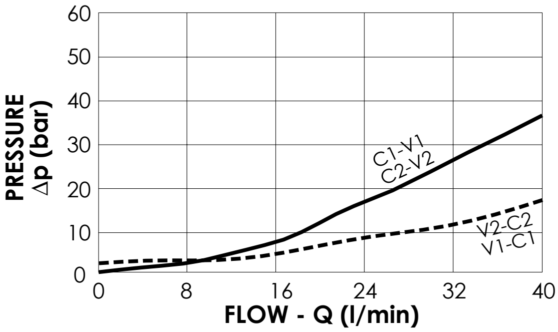
Max. operating pressure:	**350 bar**
Rated flow:	**40 l/min**
Manifold:	**Steel**
Weight:	**1,21 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

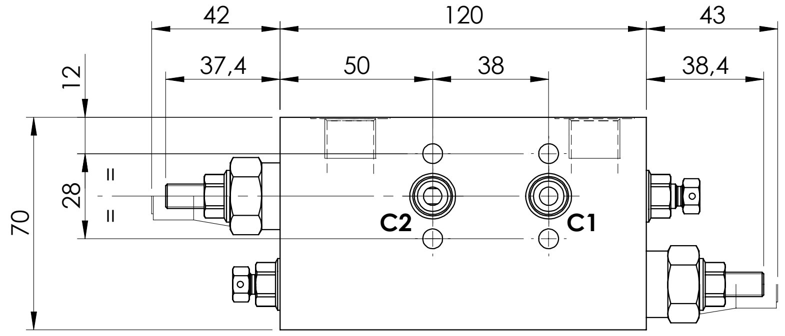
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000110	**MBDN-040-ABNR-04-G14-N350**	**4,1:1**	V1, V2: **G1/4"** C1, C2: **Ø6**	**350**	**100-350**	**184**
MB000331	**MBDN-040-ABNR-07-G14-N350**	**7,5:1**	V1, V2: **G1/4"** C1, C2: **Ø6**	**350**	**100-350**	**138**
MB000589	**MBDN-040-ABNR-11-G14-N350**	**11,5:1**	V1, V2: **G1/4"** C1, C2: **Ø6**	**350**	**100-350**	**228**

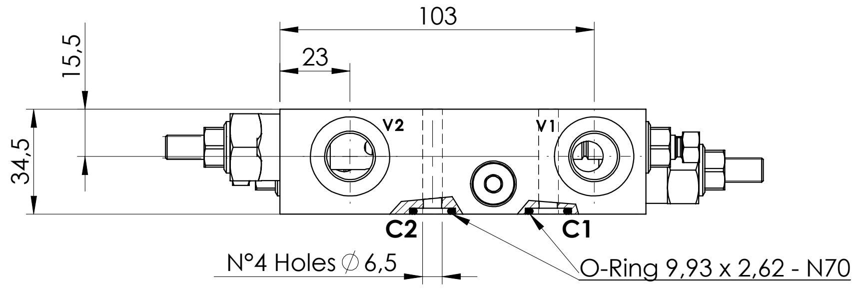
OVERCENTRE VALVE

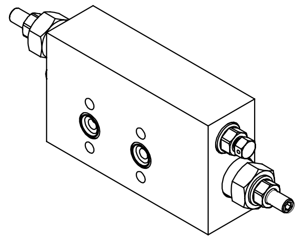
MBDN-040-ABNV

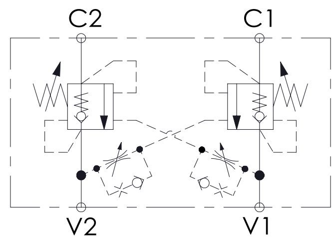
DOUBLE ACTING
TWO FLANGED PORTS

ATLANTIC Fluid Tech









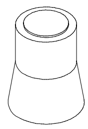
SPECIFICATIONS

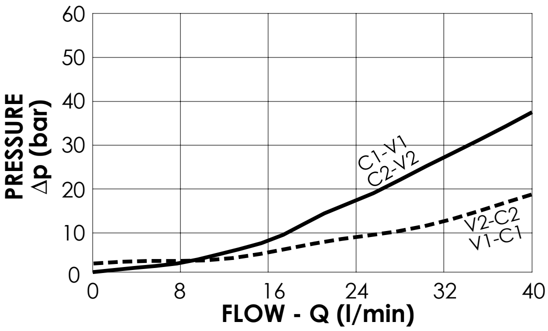
Max. operating pressure:	**350 bar**
Rated flow:	**40 l/min**
Manifold:	**Steel**
Weight:	**2,19 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

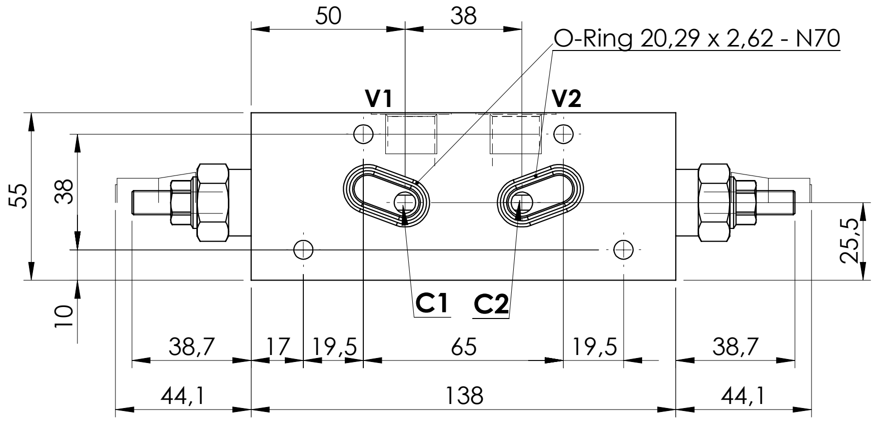
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000590	**MBDN-040-ABNV-04-G38-N350**	**4,1:1**	V1, V2: **G3/8"** C1, C2: **Ø6**	**350**	**100-350**	**184**

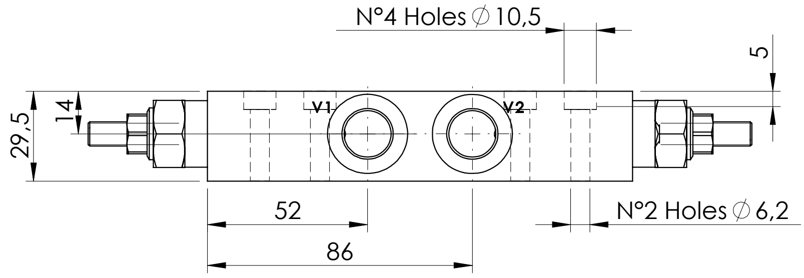
OVERCENTRE VALVE

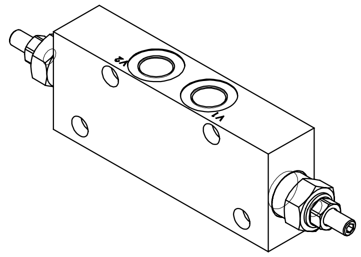
MBDN-040-LBNN

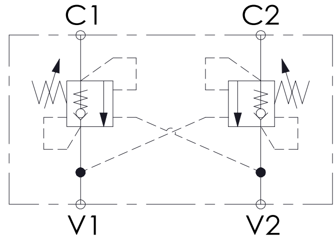
DOUBLE ACTING
TWO FLANGED PORTS

ATLANTIC Fluid Tech









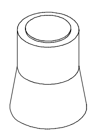
SPECIFICATIONS

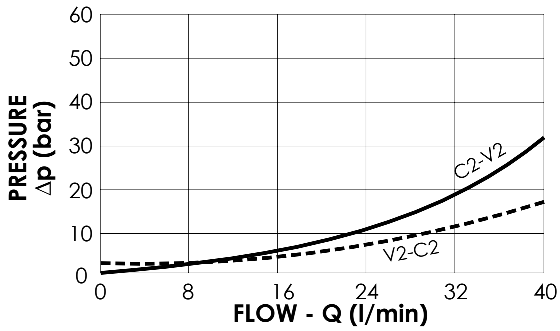
Max. operating pressure:	**350 bar**
Rated flow:	**40 l/min**
Manifold:	**Aluminium**
Weight:	**0,72 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

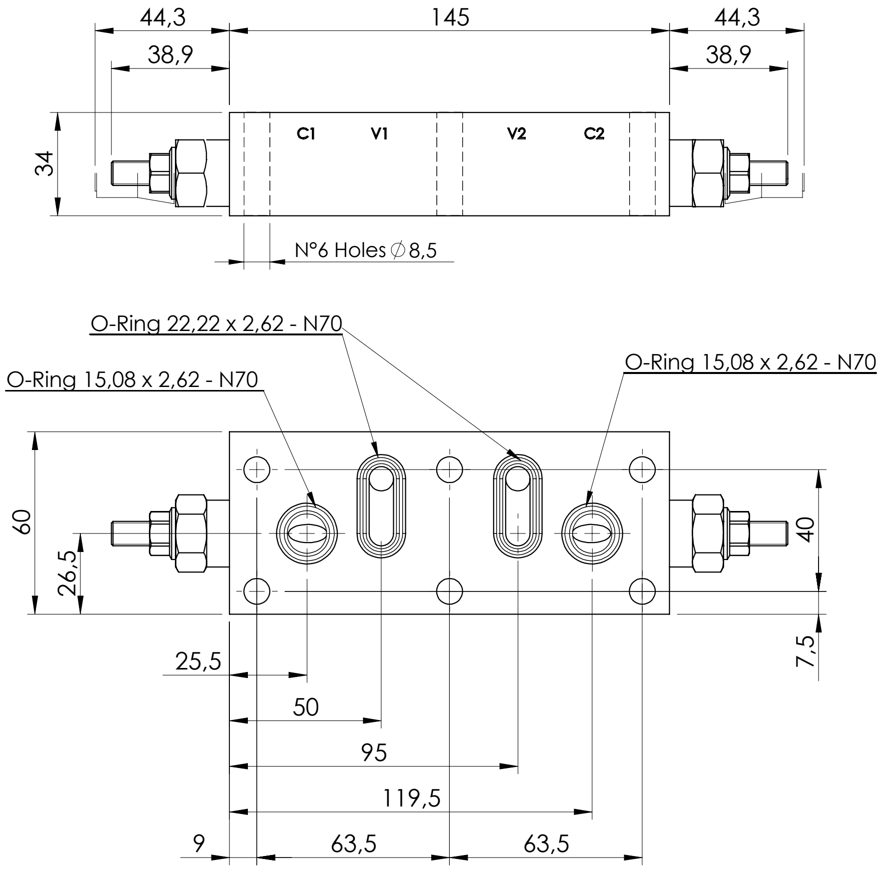
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000410	**MBDN-040-ZBNN-04-G38-N350**	**4,1:1**	V1,V2: **G3/8"** C1,C2: ∅ **7**	**350**	**100-350**	**184**
MB000411	**MBDN-040-ZBNN-04-G38-N200**	**4,1:1**	V1,V2: **G3/8"** C1,C2: ∅ **7**	**200**	**60-210**	**83**
MB000412	**MBDN-040-ZBNN-07-G38-N350**	**7,5:1**	V1,V2: **G3/8"** C1,C2: ∅ **7**	**350**	**100-350**	**138**
MB000413	**MBDN-040-ZBNN-07-G38-N200**	**7,5:1**	V1,V2: **G3/8"** C1,C2: ∅ **7**	**200**	**60-210**	**80**

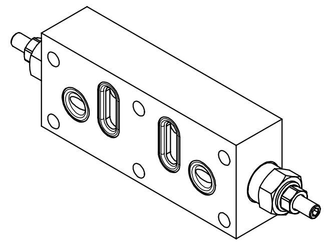
OVERCENTRE VALVE

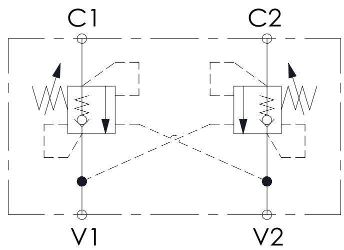
MBDN-040-ZDNA

DOUBLE ACTING
ALL FLANGED PORTS

ATLANTIC Fluid Tech







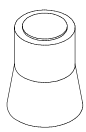
SPECIFICATIONS

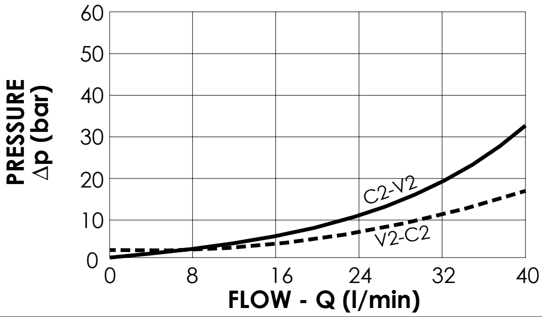
Max. operating pressure:	**350 bar**
Rated flow:	**40 l/min**
Weight:	**0.9 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

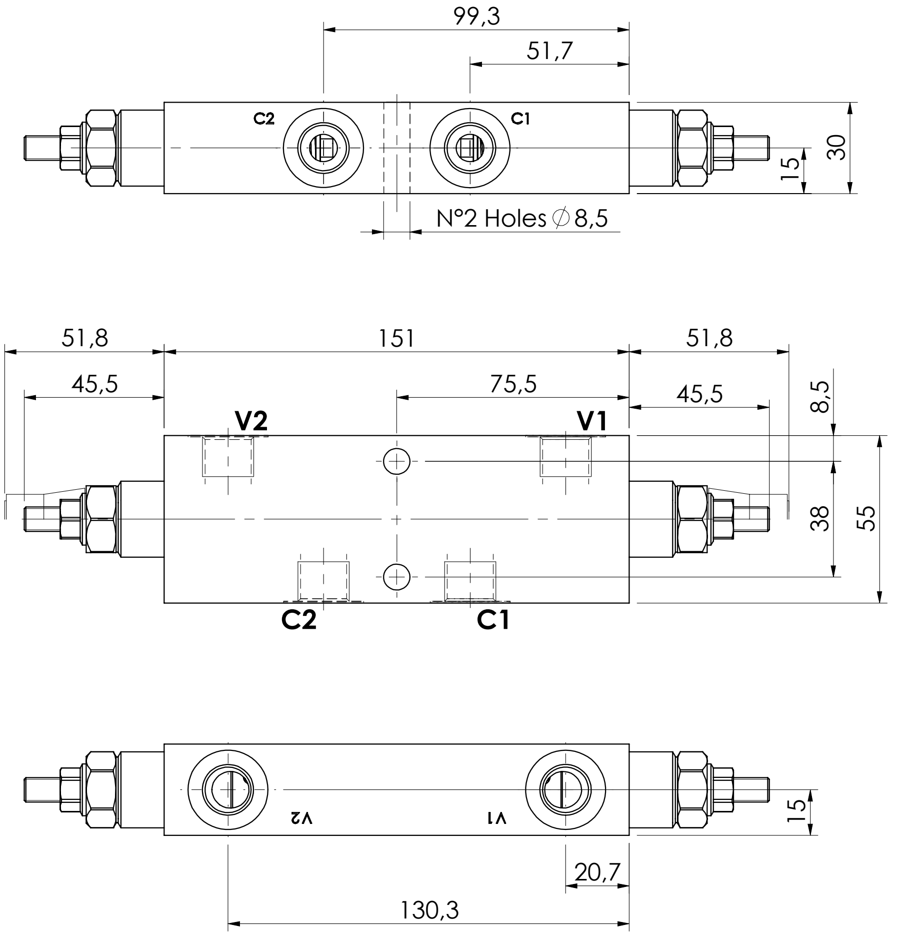
Quick code	Description	Pilot ratio	Manifold material	Main ports size	Standard setting (bar,Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000523	**MBDN-040-ZDNA-04-PTF-N350**	**4,1:1**	**Aluminium**	V1,V2: ∅**8** C1,C2: ∅**8**	**350**	**100-350**	**184**
MB000524	**MBDN-040-ZDNA-04-PTF-N200**	**4,1:1**	**Aluminium**	V1,V2: ∅**8** C1,C2: ∅**8**	**200**	**60-210**	**83**

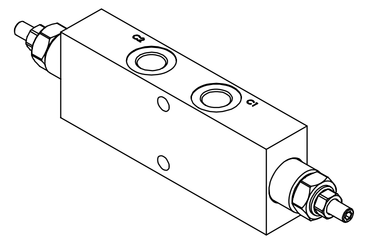
OVERCENTRE VALVE

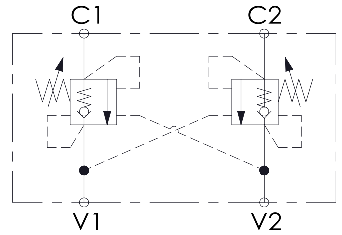
MBDN-060-ALNR

DOUBLE ACTING

ATLANTIC Fluid Tech





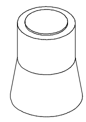


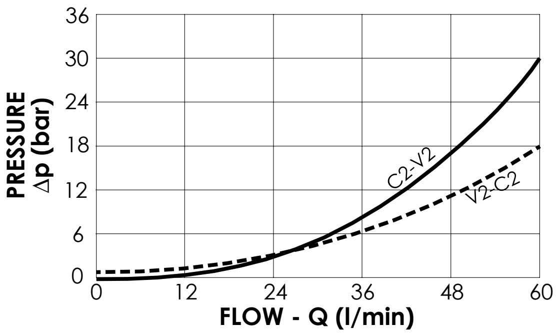
SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Manifold:	**Steel**
Weight:	**1,92 kg**

SEALING CAP

Ordering code:
AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

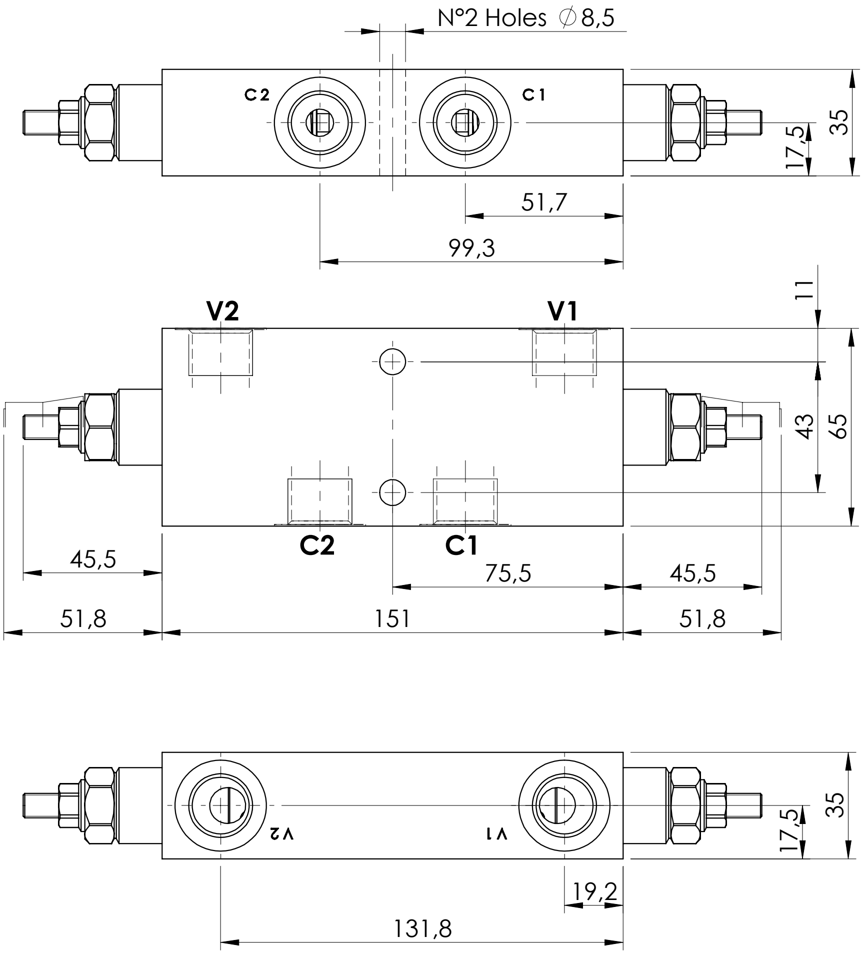
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000006	**MBDN-060-ALNR-04-G38-N350**	**4,2:1**	V1, V2: **G3/8"** C1, C2: **G3/8"**	**350**	**100-350**	**138**
MB000084	**MBDN-060-ALNR-04-G38-N200**	**4,2:1**	V1, V2: **G3/8"** C1, C2: **G3/8"**	**200**	**60-210**	**62**
MB000186	**MBDN-060-ALNR-11-G38-N250**	**11:1**	V1, V2: **G3/8"** C1, C2: **G3/8"**	**250**	**60-250**	**69**

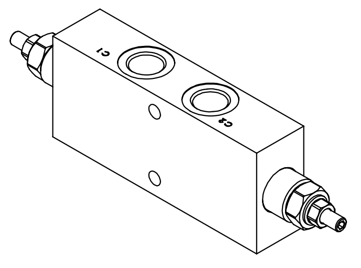
OVERCENTRE VALVE

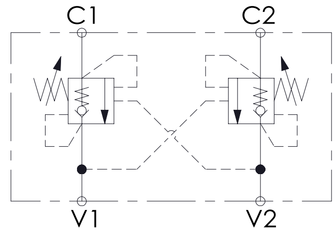
MBDN-060-ALNR

DOUBLE ACTING

ATLANTIC Fluid Tech







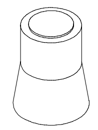
SPECIFICATIONS

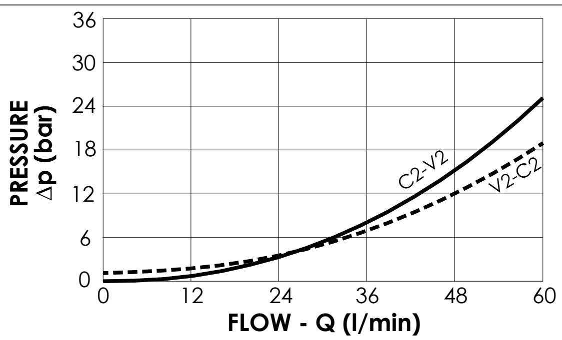
Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Manifold:	**Steel**
Weight:	**2,56 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

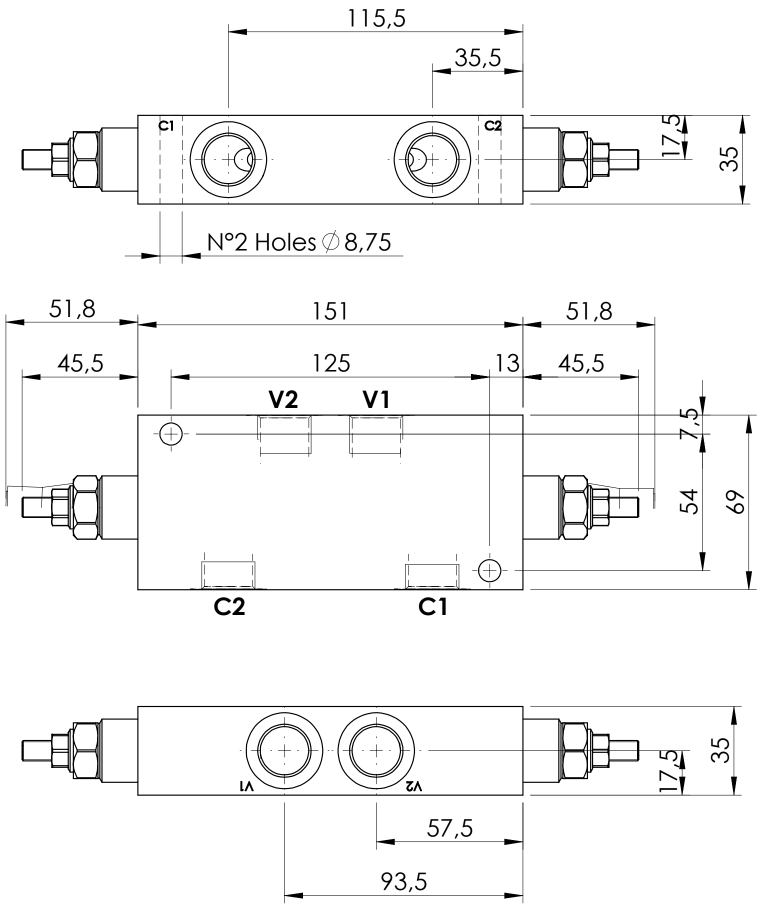
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000009	**MBDN-060-ALNR-04-G12-N350**	**4,2:1**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**350**	**100-350**	**138**
MB000263	**MBDN-060-ALNR-04-G12-N200**	**4,2:1**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**200**	**60-210**	**62**
MB000391	**MBDN-060-ALNR-11-G12-N350**	**11:1**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**350**	**60-350**	**69**

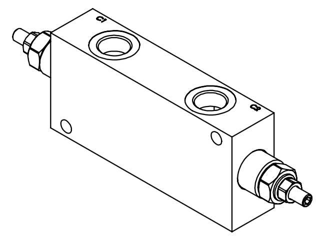
OVERCENTRE VALVE

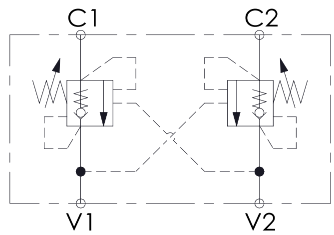
MBDN-060-ZLDE

DOUBLE ACTING

ATLANTIC Fluid Tech







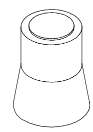
SPECIFICATIONS

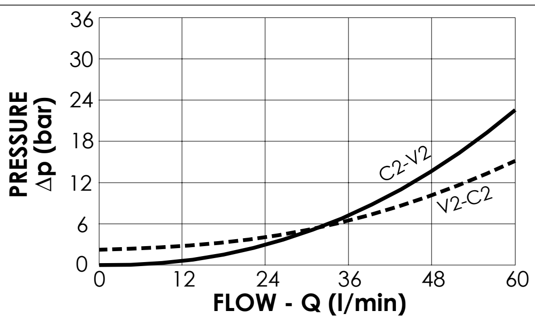
Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Weight:	**Aluminium 1.1 kg; Steel 2.7 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

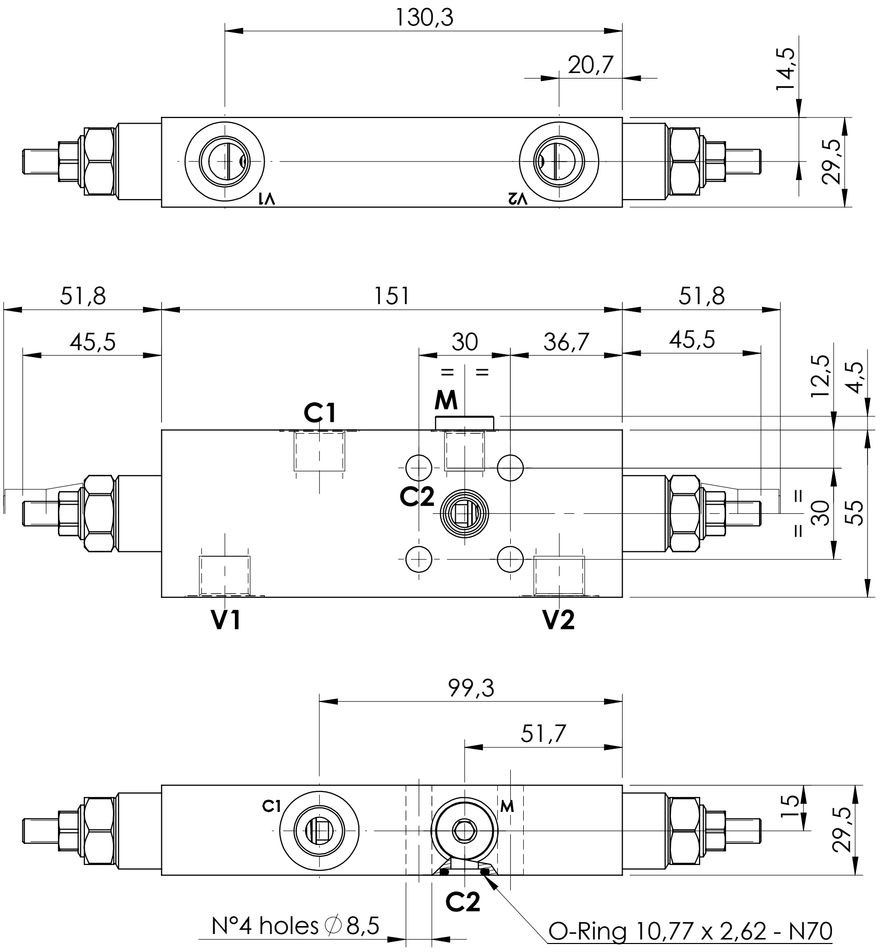
Quick code	Description	Pilot ratio	Manifold material	Main ports size	Standard setting (bar,Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000321	**MBDN-060-ZLDE-04-G12-N350**	**4.2:1**	**Aluminium**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**350**	**100-350**	**138**
MB000443	**MBDN-060-ZLDE-04-G12-N200**	**4.2:1**	**Aluminium**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**200**	**60-210**	**62**
MB000444	**MBDN-060-ALDE-04-G12-N350**	**4.2:1**	**Steel**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**350**	**100-350**	**138**
MB000445	**MBDN-060-ALDE-04-G12-N200**	**4.2:1**	**Steel**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**200**	**60-210**	**62**
MB000320	**MBDN-060-ZLDE-07-G12-N350**	**7:1**	**Aluminium**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**350**	**100-350**	**106**
MB000446	**MBDN-060-ZLDE-07-G12-N200**	**7:1**	**Aluminium**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**200**	**60-210**	**46**
MB000447	**MBDN-060-ALDE-07-G12-N350**	**7:1**	**Steel**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**350**	**100-350**	**106**
MB000448	**MBDN-060-ALDE-07-G12-N200**	**7:1**	**Steel**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**200**	**60-210**	**46**

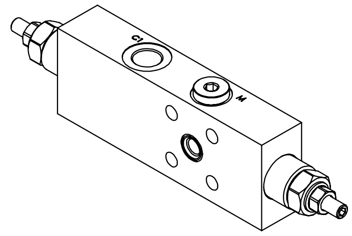
OVERCENTRE VALVE

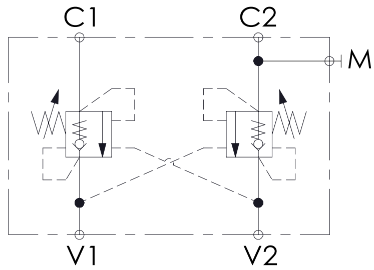
MBDN-060-AANR

DOUBLE ACTING
ONE FLANGED PORT

ATLANTIC Fluid Tech







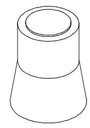
SPECIFICATIONS

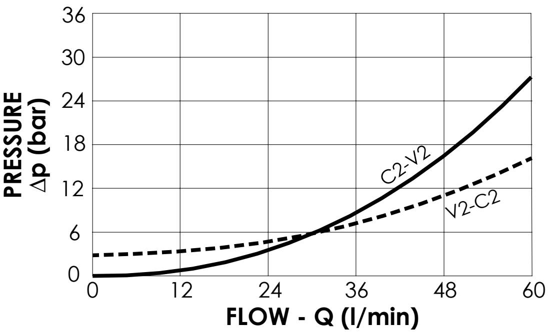
Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Manifold:	**Steel**
Weight:	**1,88 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

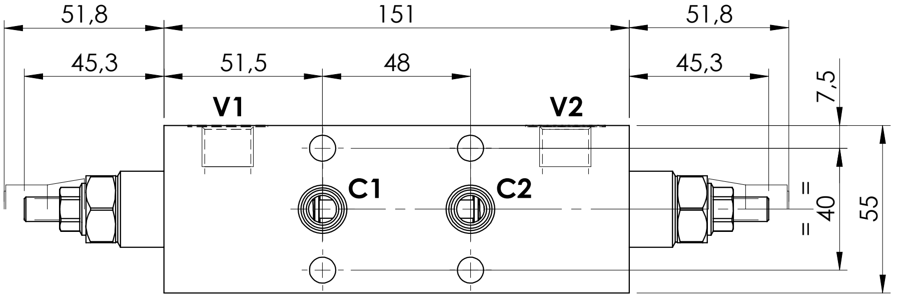
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000008	**MBDN-060-AANR-04-G38-N350**	**4,2:1**	V1, V2,C1: **G3/8"** C2: **Ø9** M:**G1/4"**	**350**	**100-350**	**138**

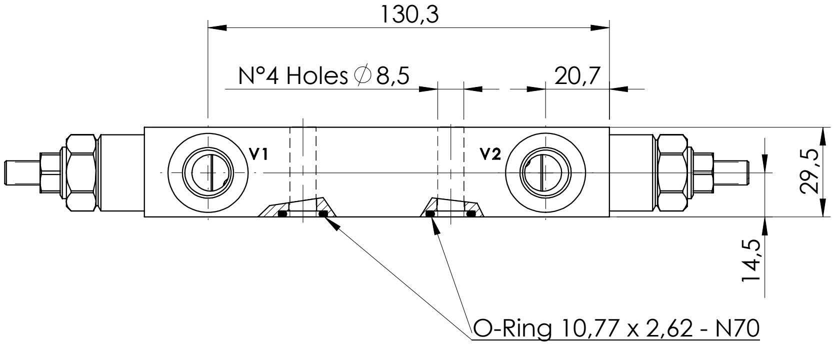
OVERCENTRE VALVE

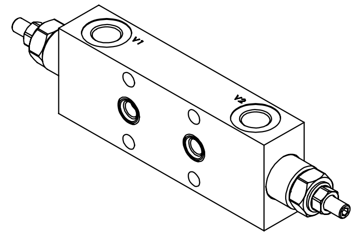
MBDN-060-ABNR

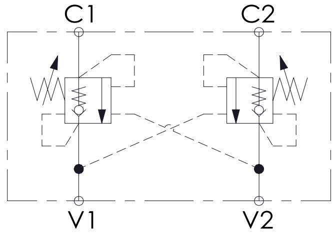
DOUBLE ACTING
TWO FLANGED PORTS

ATLANTIC Fluid Tech









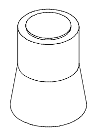
SPECIFICATIONS

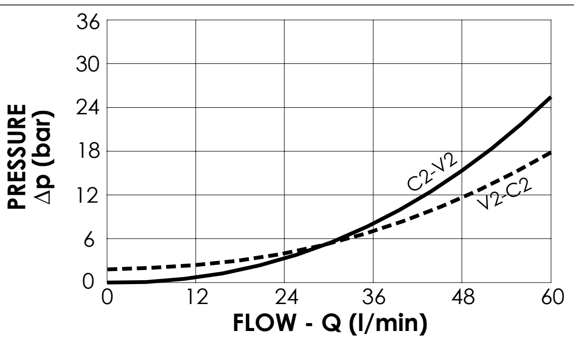
Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Manifold:	**Steel**
Weight:	**1,89 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

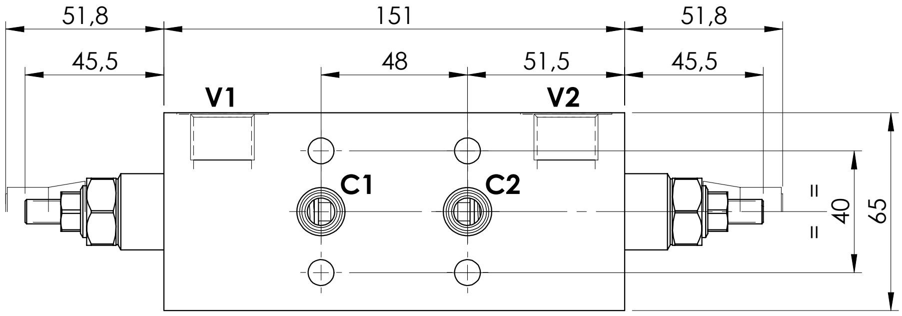
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000235	**MBDN-060-ABNR-11-G38-N250**	**11:1**	V1, V2: **G3/8"** C1, C2: ∅**9**	**200**	**60-250**	**69**
MB000087	**MBDN-060-ABNR-04-G38-N350**	**4,2:1**	V1, V2: **G3/8"** C1, C2: ∅**9**	**350**	**100-350**	**138**
MB000178	**MBDN-060-ABNR-04-G38-N200**	**4,2:1**	V1, V2: **G3/8"** C1, C2: ∅**9**	**200**	**60-210**	**62**
MB000826	**MBDN-060-ABNR-07-G38-N350**	**7:1**	V1, V2: **G3/8"** C1, C2: ∅**9**	**350**	**100-350**	**106**

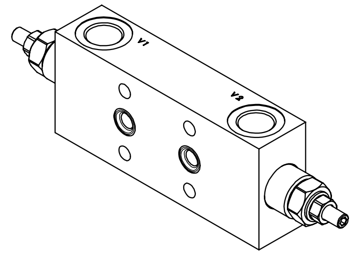
OVERCENTRE VALVE

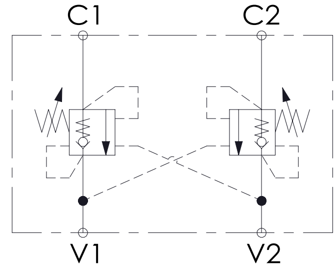
MBDN-060-ABNR

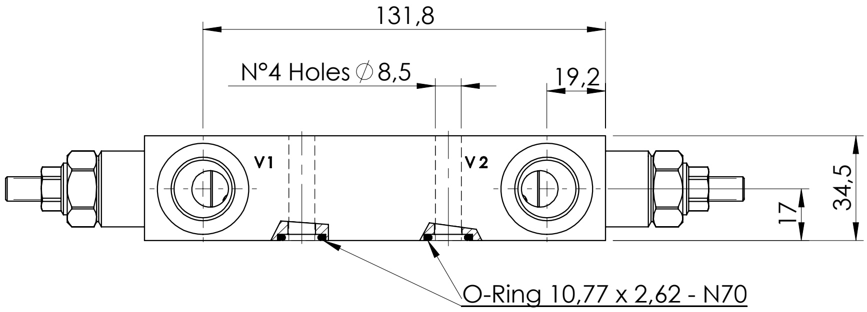
DOUBLE ACTING, TWO FLANGED PORTS

ATLANTIC Fluid Tech









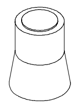
SPECIFICATIONS

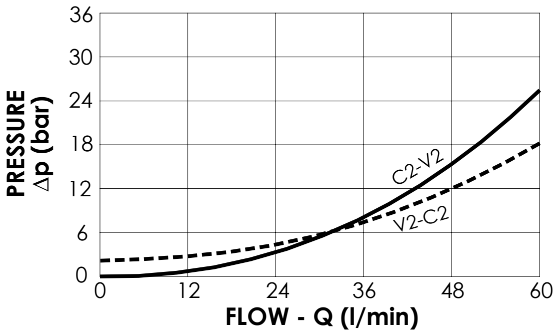
Max operating pressure:	**420 bar**
Rated flow:	**60 l/min**
Manifold :	**Steel**
Weight:	**2,57 kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

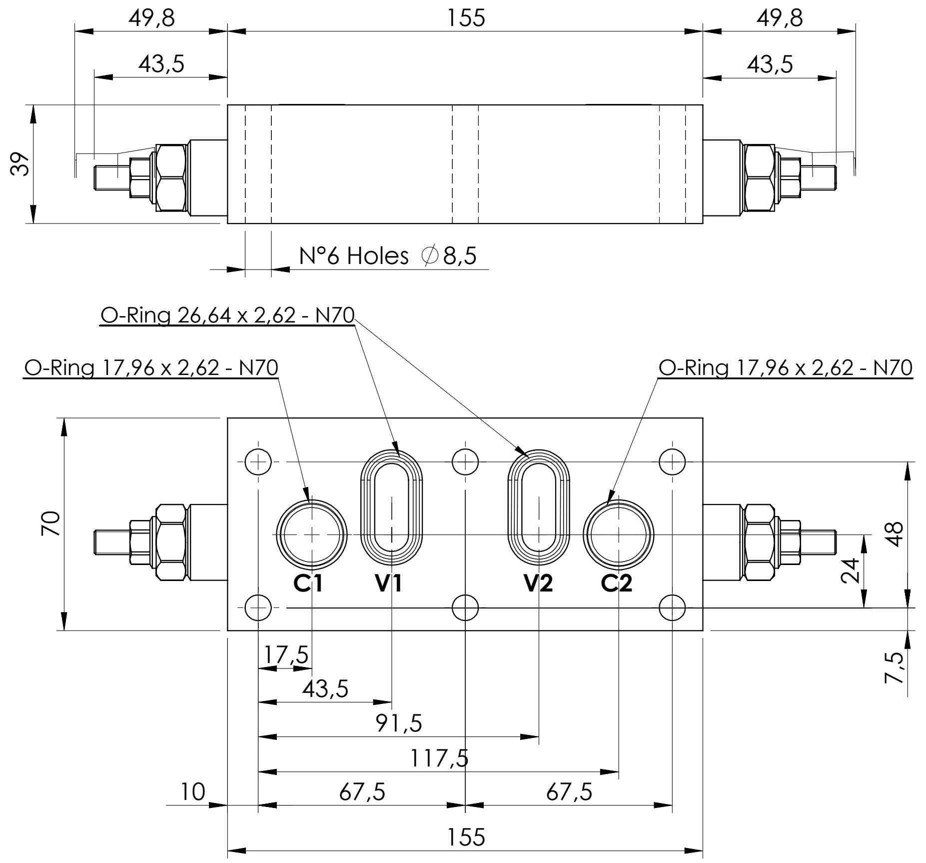
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Pressure range (bar)	Pressure increase (bar/turn)
MB000016	**MBDN-060-ABNR-04-G12-N350**	**4,2:1**	V1, V2: **G1/2"** C1, C2: ∅**9**	**350**	**100-350**	**138**
MB000228	**MBDN-060-ABNR-04-G12-N200**	**4,2:1**	V1, V2: **G1/2"** C1, C2: ∅**9**	**200**	**60-210**	**62**
MB000229	**MBDN-060-ABNR-11-G12-N200**	**11:1**	V1, V2: **G1/2"** C1, C2: ∅**9**	**200**	**60-250**	**69**
MB000380	**MBDN-060-ABNR-11-G12-N350**	**11:1**	V1, V2: **G1/2"** C1, C2: ∅**9**	**350**	**150-420**	**161**

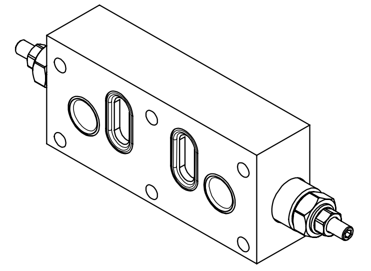
OVERCENTRE VALVE

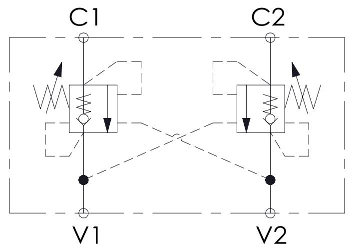
MBDN-060-ZDNA

DOUBLE ACTING
ALL FLANGED PORTS

ATLANTIC Fluid Tech







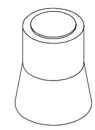
SPECIFICATIONS

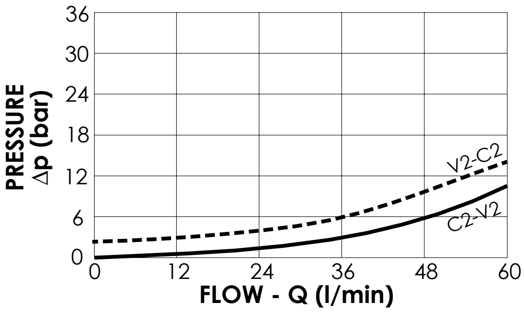
Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Weight:	**Aluminium 1.3kg, Steel 3.1kg**

SEALING CAP

Ordering code:

AT000020





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

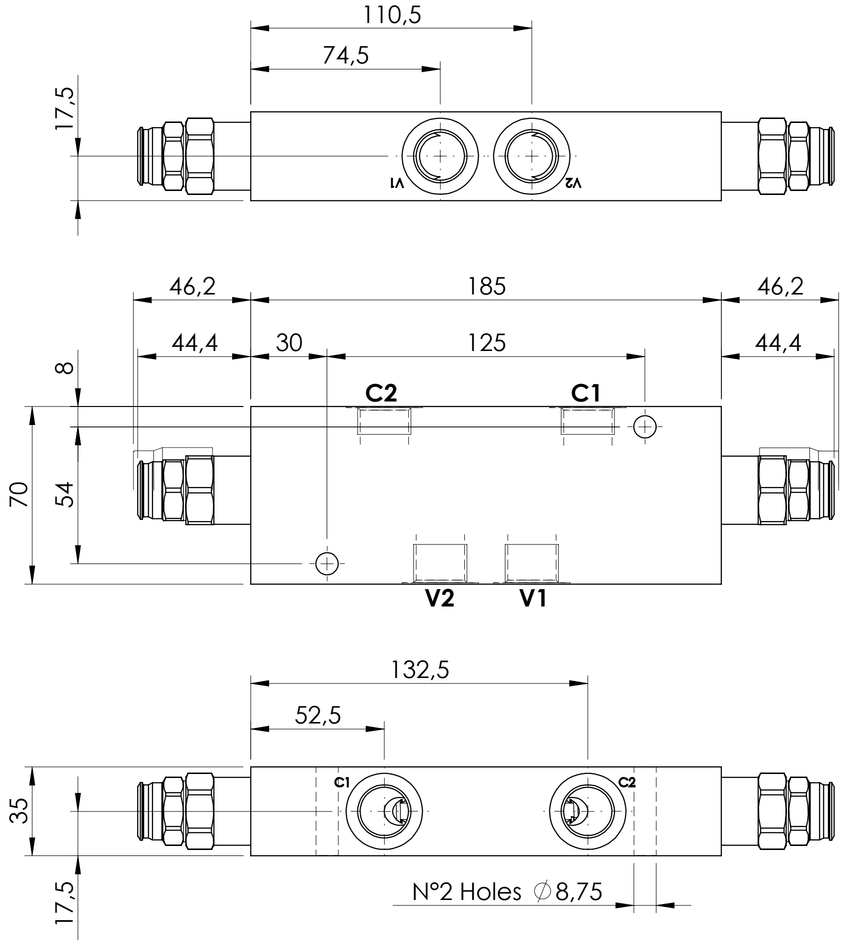
Quick code	Description	Pilot ratio	Manifold material	Main ports size	Standard setting (bar,Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000404	**MBDN-060-ZDNA-04-PTF-N350**	**4,2:1**	**Aluminium**	V1,V2: ∅**10** C1,C2: ∅**10**	**350**	**100-350**	**138**
MB000405	**MBDN-060-ZDNA-04-PTF-N200**	**4,2:1**	**Aluminium**	V1,V2: ∅**10** C1,C2: ∅**10**	**200**	**60-210**	**62**
MB000424	**MBDN-060-ADNA-04-PTF-N350**	**4,2:1**	**Steel**	V1,V2: ∅**10** C1,C2: ∅**10**	**350**	**100-350**	**138**
MB000442	**MBDN-060-ADNA-04-PTF-N200**	**4,2:1**	**Steel**	V1,V2: ∅**10** C1,C2: ∅**10**	**200**	**60-210**	**62**
MB000399	**MBDN-060-ZDNA-07-PTF-N350**	**7:1**	**Aluminium**	V1,V2: ∅**10** C1,C2: ∅**10**	**350**	**100-350**	**106**
MB000403	**MBDN-060-ZDNA-07-PTF-N200**	**7:1**	**Aluminium**	V1,V2: ∅**10** C1,C2: ∅**10**	**200**	**60-210**	**46**
MB000441	**MBDN-060-ADNA-07-PTF-N350**	**7:1**	**Steel**	V1,V2: ∅**10** C1,C2: ∅**10**	**350**	**100-350**	**106**
MB000440	**MBDN-060-ADNA-07-PTF-N200**	**7:1**	**Steel**	V1,V2: ∅**10** C1,C2: ∅**10**	**200**	**60-210**	**46**

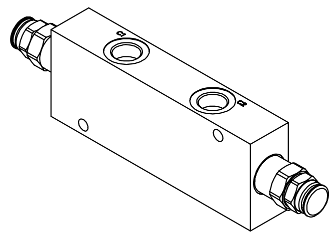
OVERCENTRE VALVE

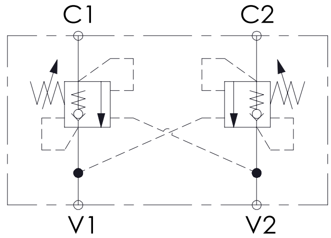
MBDN-100-ALDE

DOUBLE ACTING

ATLANTIC Fluid Tech







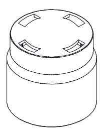
SPECIFICATIONS

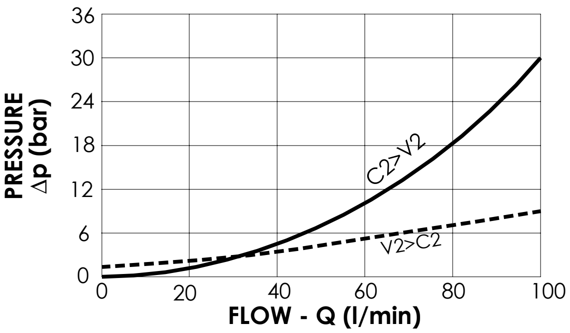
Max. operating pressure:	350 bar
Rated flow:	100 l/min
Manifold:	Steel
Weight:	Steel 3,42 kg

SEALING CAP

Ordering code:

PT000243





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

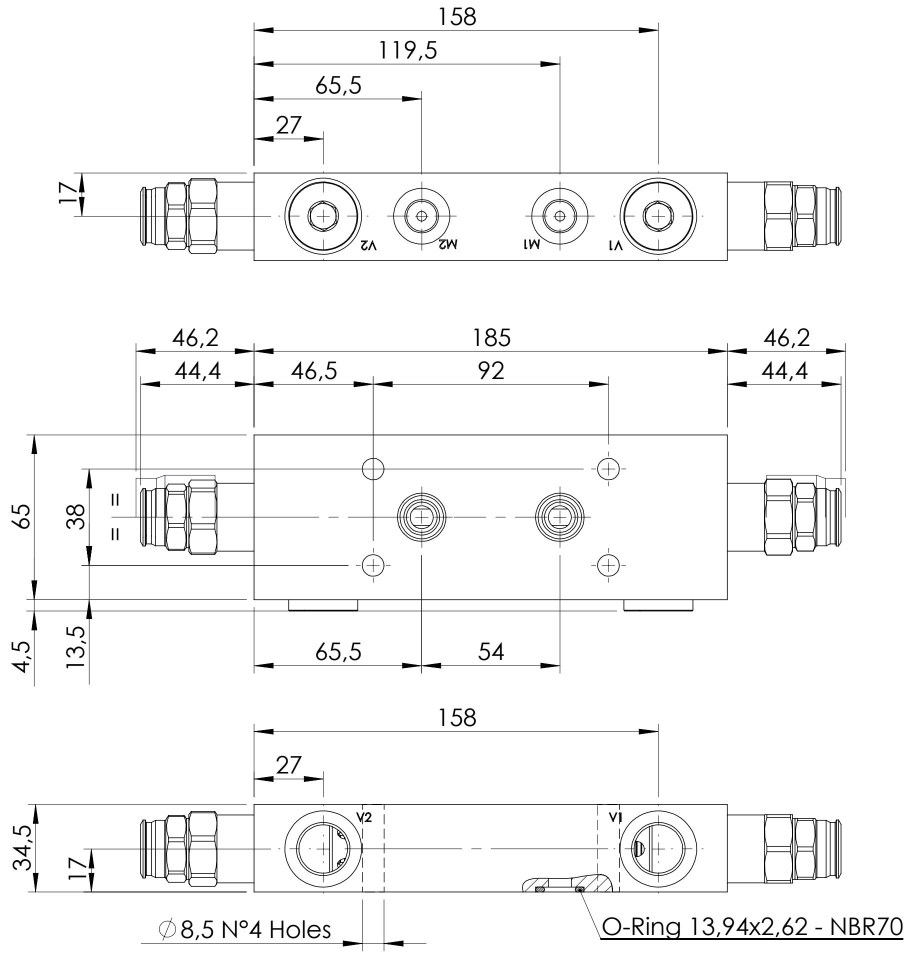
Quick code	Description	Pilot ratio	Main ports size	Manifold material	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressur increase (bar/turn)
MB000398	MBDN-100-ALDE-04-G12-N350	4:1	V1,V2: **G 1/2"** C1,C2: **G 1/2"**	Steel	350	100-350	118
MB000400	MBDN-100-ALDE-04-G12-N200	4:1	V1,V2: **G 1/2"** C1,C2: **G 1/2"**	Steel	200	70-210	68
MB000395	MBDN-100-ALDE-08-G12-N350	8:1	V1,V2: **G 1/2"** C1,C2: **G 1/2"**	Steel	350	100-350	132
MB000401	MBDN-100-ALDE-08-G12-N200	8:1	V1,V2: **G 1/2"** C1,C2: **G 1/2"**	Steel	200	70-210	74

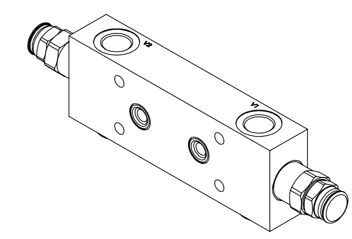
OVERCENTRE VALVE

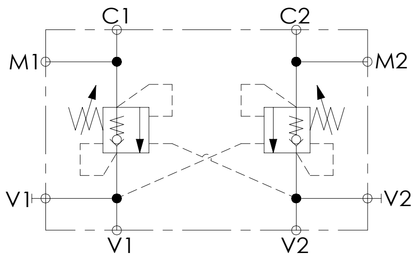
MBDN-100-ABNR

**DOUBLE ACTING
TWO FLANGED PORTS**

ATLANTIC Fluid Tech







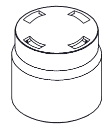
SPECIFICATIONS

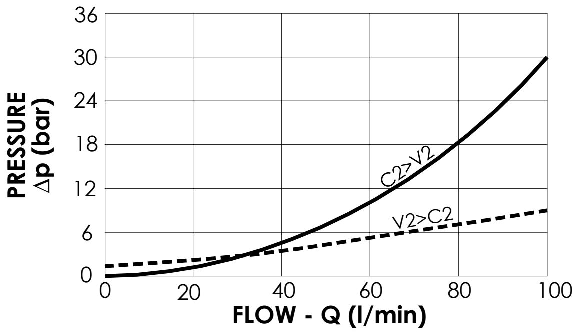
Max. operating pressure:	**350 bar**
Rated flow:	**100 l/min**
Manifold:	**Steel**
Weight:	**3,19 kg**

SEALING CAP

Ordering code:

PT000243





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

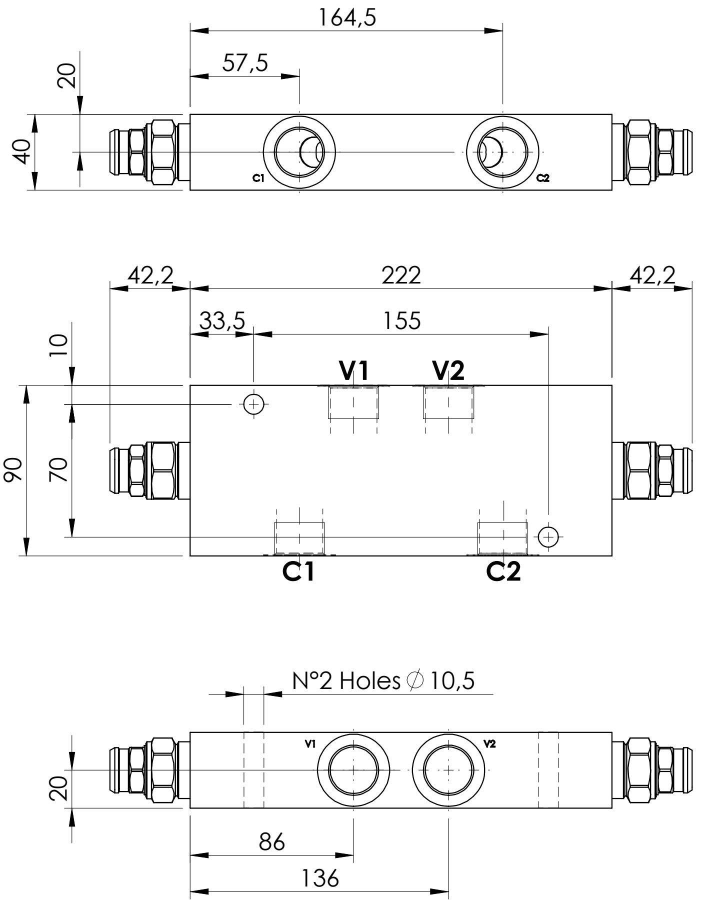
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000911	**MBDN-100-ABNR-04-G12-N350**	**4:1**	V1,V2:**G 1/2"** C1,C2: **Ø9** M1,M2:**G 1/4"**	**350**	**100-350**	**118**

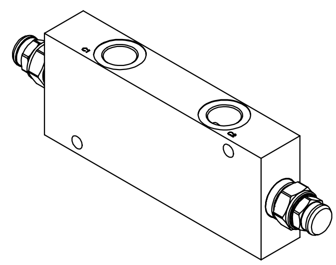
OVERCENTRE VALVE

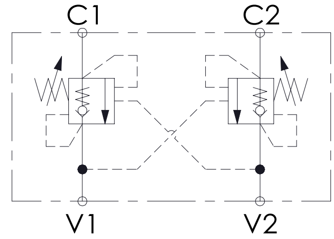
MBDN-150-ZLDE

DOUBLE ACTING

ATLANTIC Fluid Tech







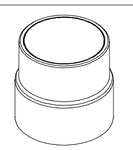
SPECIFICATIONS

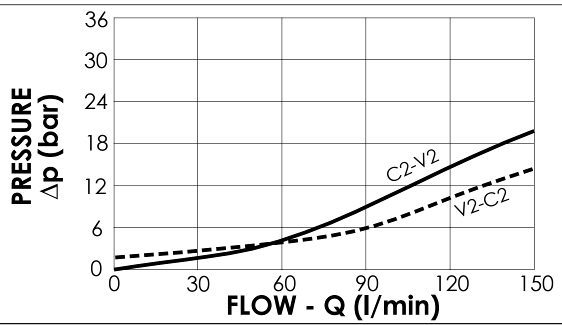
Max. operating pressure:	**350 bar**
Rated flow:	**150 l/min**
Weight:	**Aluminium 2,4 kg; Steel 5.7 kg**

SEALING CAP

Ordering code:

ST000012





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

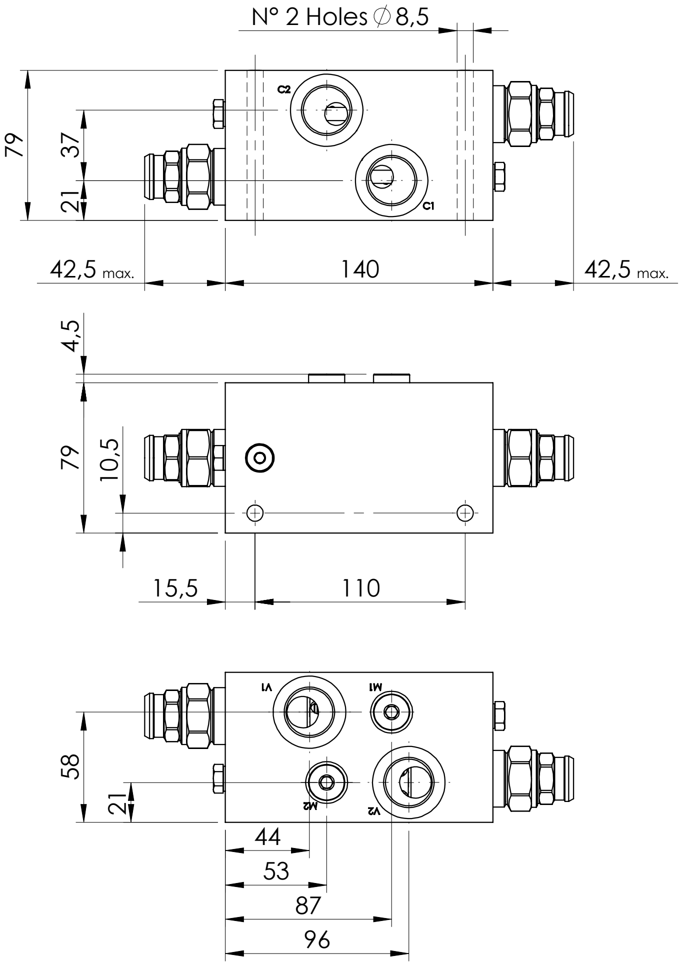
Quick code	Description	Pilot ratio	Manifold material	Main ports size	Standard setting (bar,Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000414	**MBDN-150-ZLDE-04-G34-N350**	**4:1**	**Aluminium**	V1, V2: **G3/4"** C1, C2: **G3/4"**	**350**	**100-350**	**104**
MB000415	**MBDN-150-ZLDE-04-G34-N200**	**4:1**	**Aluminium**	V1, V2: **G3/4"** C1, C2: **G3/4"**	**200**	**60-210**	**56**
MB000407	**MBDN-150-ZLDE-08-G34-N350**	**8:1**	**Aluminium**	V1, V2: **G3/4"** C1, C2: **G3/4"**	**350**	**100-350**	**82**
MB000408	**MBDN-150-ZLDE-08-G34-N200**	**8:1**	**Aluminium**	V1, V2: **G3/4"** C1, C2: **G3/4"**	**200**	**60-210**	**47**
MB000420	**MBDN-150-ALDE-04-G34-N350**	**4:1**	**Steel**	V1, V2: **G3/4"** C1, C2: **G3/4"**	**350**	**100-350**	**104**
MB000421	**MBDN-150-ALDE-04-G34-N200**	**4:1**	**Steel**	V1, V2: **G3/4"** C1, C2: **G3/4"**	**200**	**60-210**	**56**
MB000418	**MBDN-150-ALDE-08-G34-N350**	**8:1**	**Steel**	V1, V2: **G3/4"** C1, C2: **G3/4"**	**350**	**100-350**	**82**
MB000419	**MBDN-150-ALDE-08-G34-N200**	**8:1**	**Steel**	V1, V2: **G3/4"** C1, C2: **G3/4"**	**200**	**60-210**	**47**

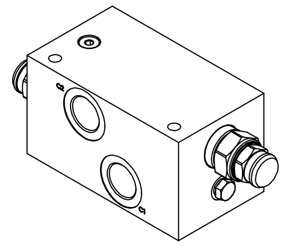
OVERCENTRE VALVE

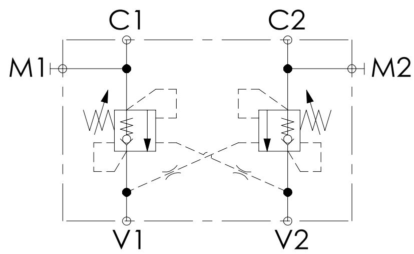
MBDN-150-ZLNP

DOUBLE ACTING

ATLANTIC Fluid Tech







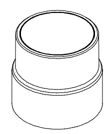
SPECIFICATIONS

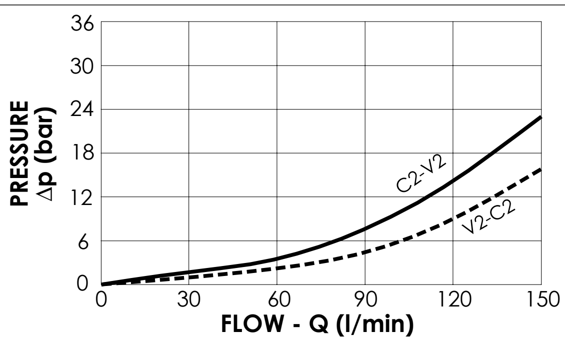
Max. operating pressure:	**350 bar**
Rated flow:	**150 l/min**
Manifold:	**Aluminium**
Weight:	**2,69 kg**

SEALING CAP

Ordering code:

ST000012





NOTES

Setting: at least 1.3 times the load induced pressure

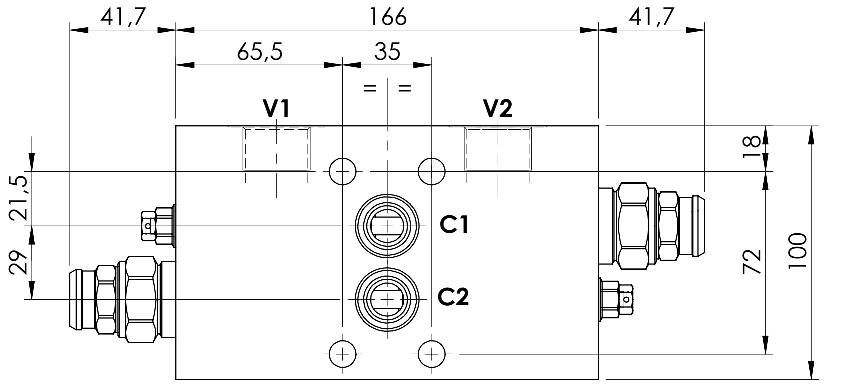
ORDERING CODES

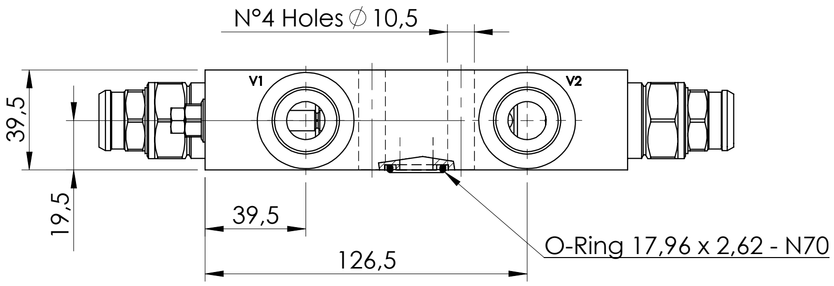
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000210	**MBDN-150-ZLNP-04-G34-N350**	**4:1**	V1, V2: **G3/4"** C1, C2: **G3/4"**	**350**	**100-350**	**104**

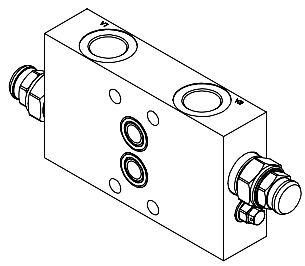
OVERCENTRE VALVE

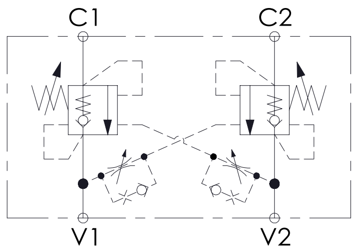
MBDN-150-ZBNV

DOUBLE ACTING TWO FLANGED PORTS







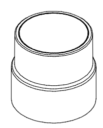


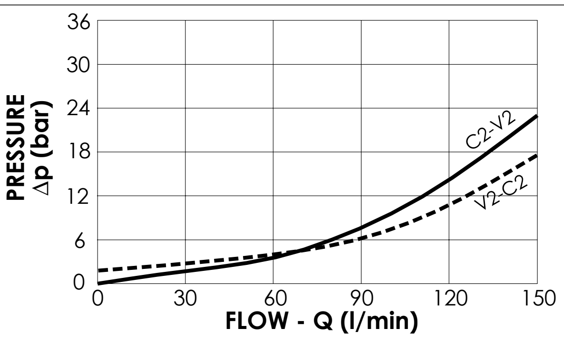
SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**150 l/min**
Manifold:	**Aluminium**
Weight:	**2,15 kg**

SEALING CAP

Ordering code:
ST000012





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

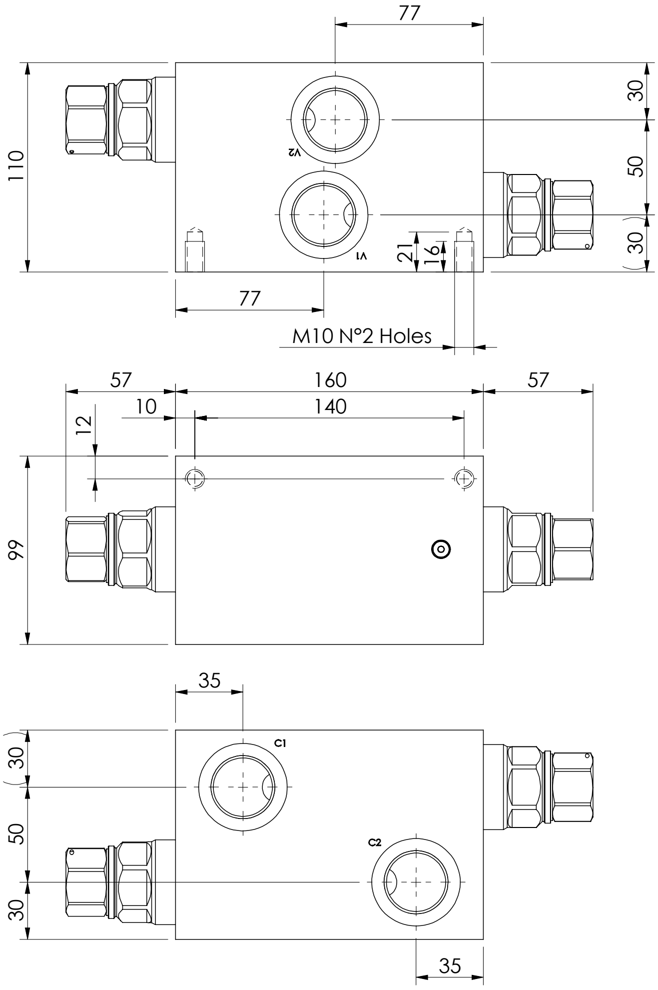
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000428	**MBDN-150-ZBNV-04-G34-N350**	**4:1**	V1,V2 : **G3/4"** C1,C2 : ∅ **13**	**350**	**100-350**	**104**

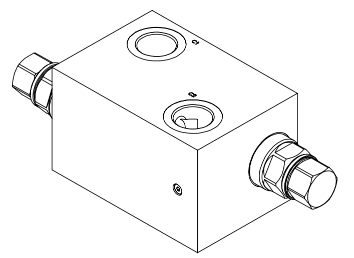
OVERCENTRE VALVE

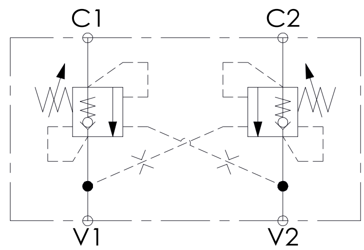
MBDN-300-ZLNR

DOUBLE ACTING

ATLANTIC Fluid Tech

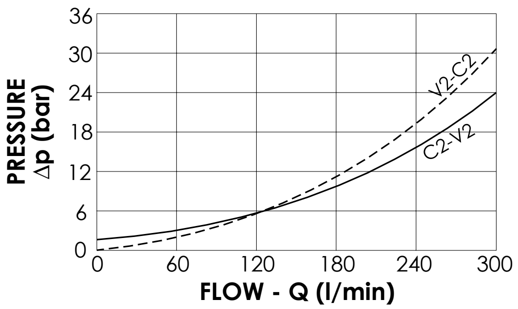






SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**300 l/min**
Manifold:	**Aluminium**
Weight:	**5,4 kg**



NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

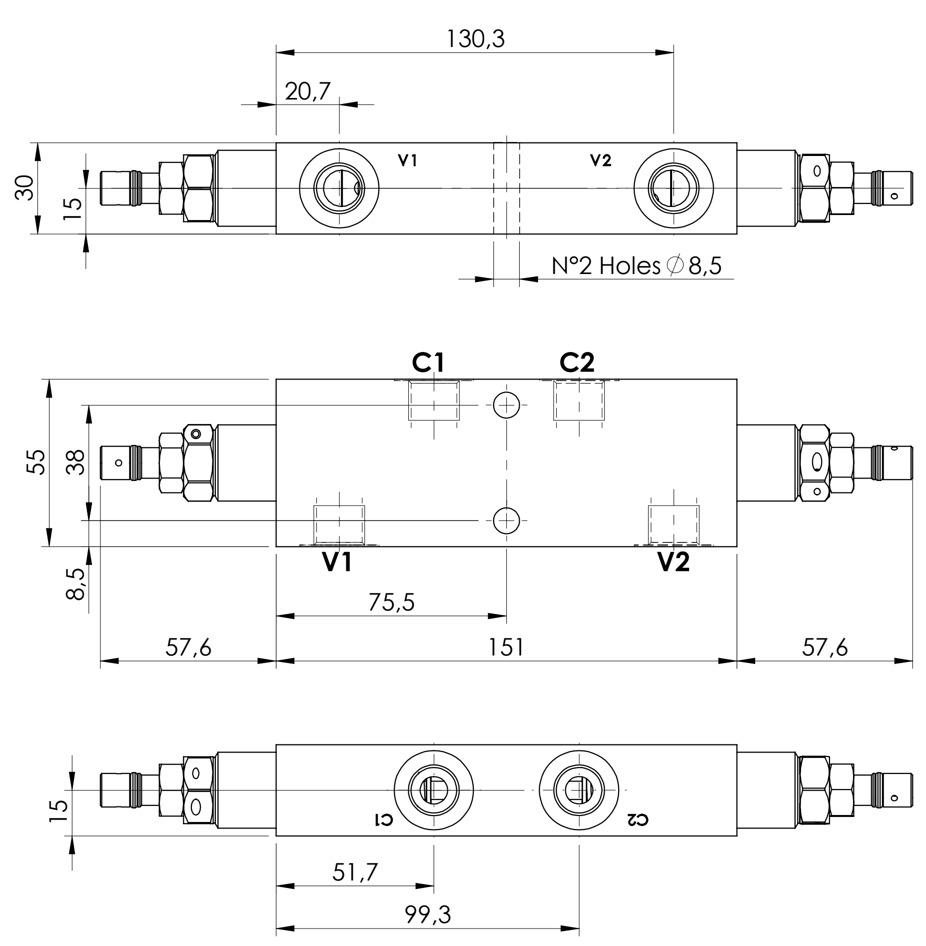
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000638	**MBDN-300-ZLNR-04-G10-N350**	**4:1**	V1,V2,C1,C2: **G 1"**	**350**	**100 - 350**	**75**

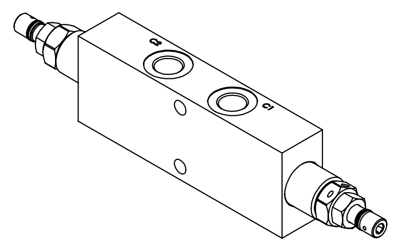
OVERCENTRE VALVE

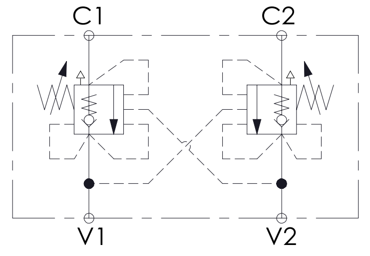
MBDP-060-ALNR

DOUBLE ACTING RELIEF COMPENSATED

ATLANTIC Fluid Tech

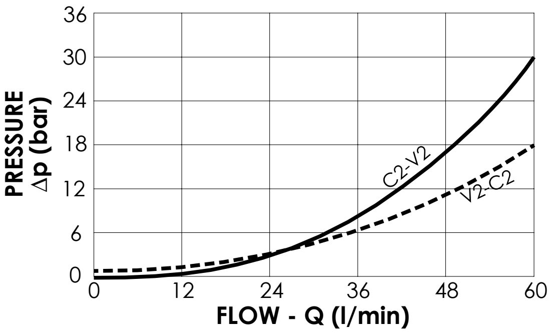






SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Manifold:	**Steel**
Weight:	**1,98 kg**



NOTES

Setting: at least 1.3 times the load induced pressure

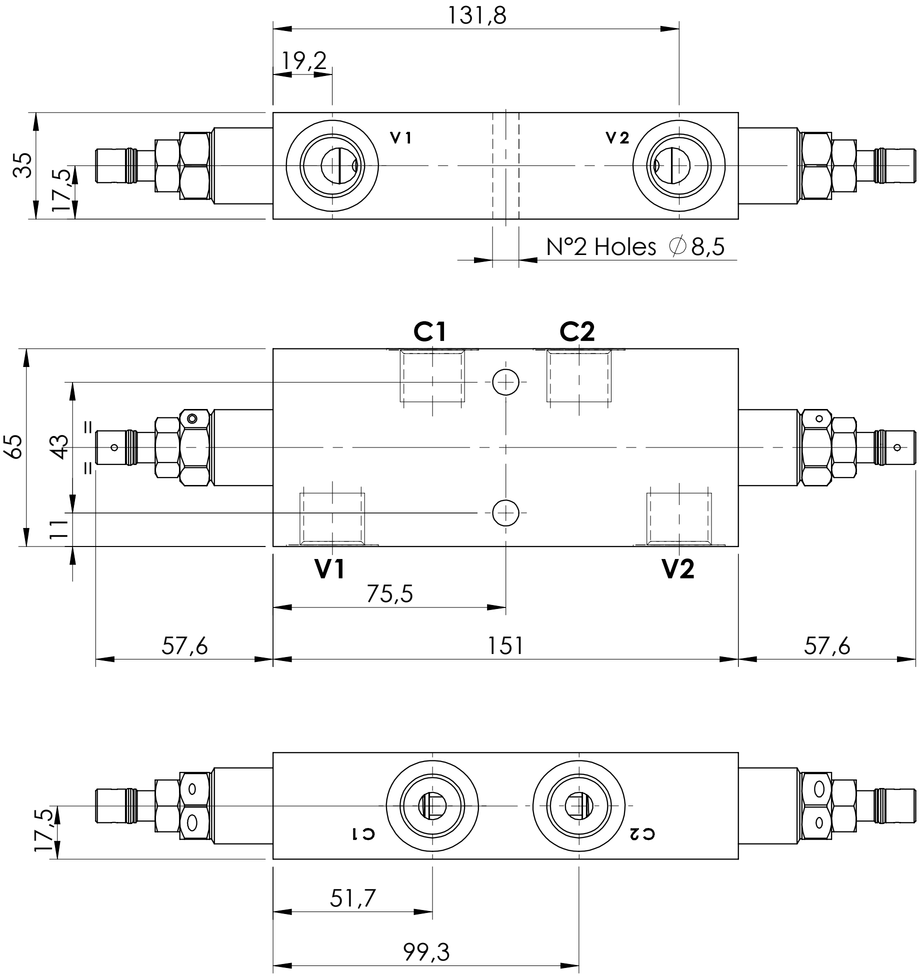
ORDERING CODES

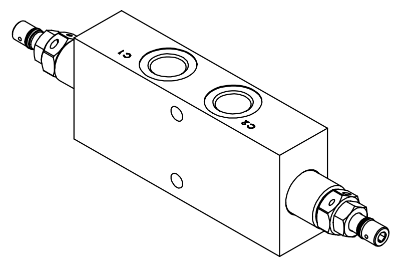
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000190	MBDP-060-ALNR-04-G38-N350	4,2:1	V1, V2: **G3/8"** C1, C2: **G3/8"**	350	100-350	166
MB000191	MBDP-060-ALNR-04-G38-N200	4,2:1	V1, V2: **G3/8"** C1, C2: **G3/8"**	200	60-210	75

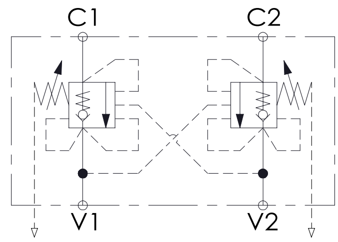
OVERCENTRE VALVE

MBDP-060-ALNR

DOUBLE ACTING RELIEF COMPENSATED

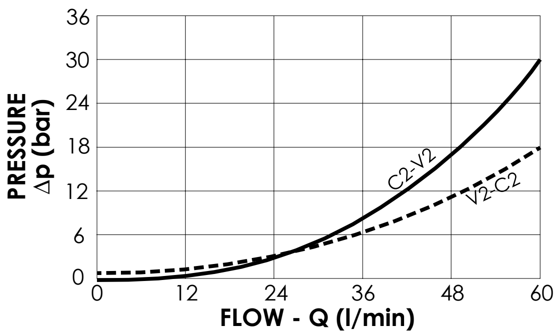






SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Manifold:	**Steel**
Weight:	**2,62 kg**



NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

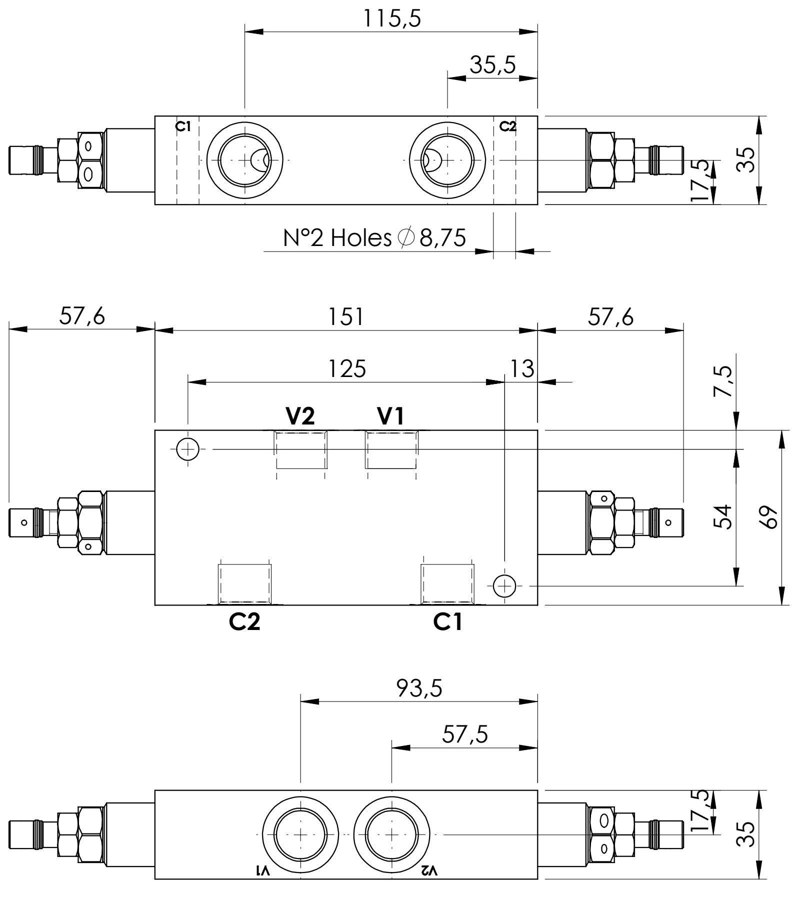
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000176	MBDP-060-ALNR-04-G12-N350	4,2:1	V1, V2: **G1/2"** C1, C2: **G1/2"**	350	100-350	166
MB000189	MBDP-060-ALNR-04-G12-N200	4,2:1	V1, V2: **G1/2"** C1, C2: **G1/2"**	200	60-210	75

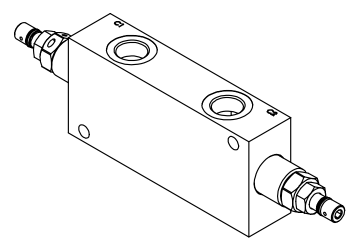
OVERCENTRE VALVE

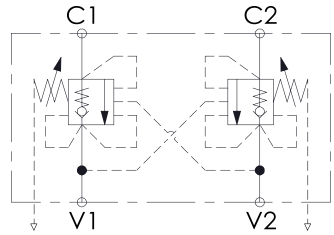
MBDP-060-ZLDE

**DOUBLE ACTING
RELIEF COMPENSATED**

ATLANTIC Fluid Tech

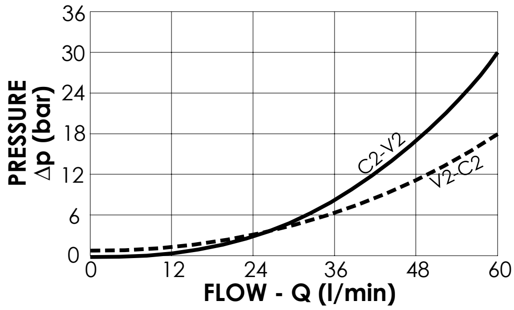






SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**60 l/min**
Weight:	**Aluminium 1.1 kg; Steel 2.7 kg**



NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

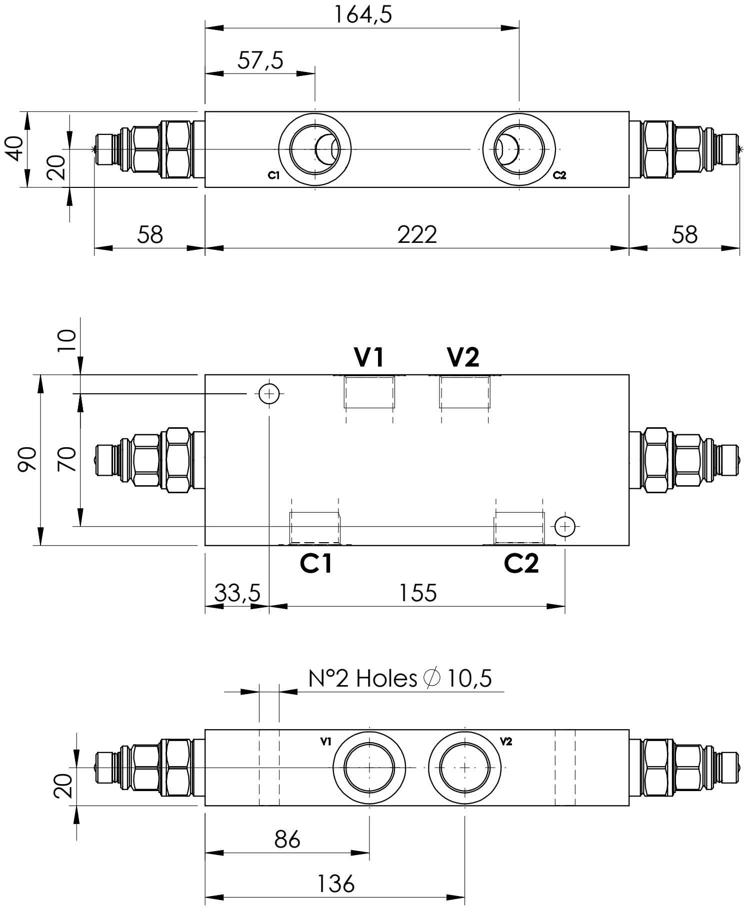
Quick code	Description	Pilot ratio	Manifold material	Main ports size	Standard setting (bar,Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000322	**MBDP-060-ZLDE-04-G12-N350**	**4,2:1**	**Aluminium**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**350**	**100-350**	**166**
MB000449	**MBDP-060-ZLDE-04-G12-N200**	**4,2:1**	**Aluminium**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**200**	**60-210**	**75**
MB000450	**MBDP-060-ALDE-04-G12-N350**	**4,2:1**	**Steel**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**350**	**100-350**	**166**
MB000451	**MBDP-060-ALDE-04-G12-N200**	**4,2:1**	**Steel**	V1, V2: **G1/2"** C1, C2: **G1/2"**	**200**	**60-210**	**75**

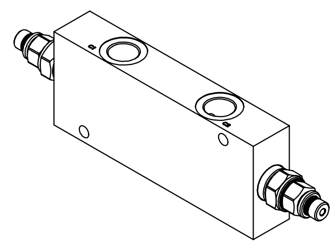
OVERCENTRE VALVE

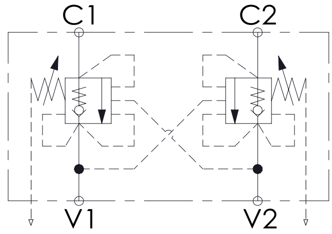
MBDP-150-ZLDE

DOUBLE ACTING RELIEF COMPENSATED

ATLANTIC Fluid Tech







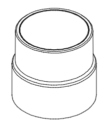
SPECIFICATIONS

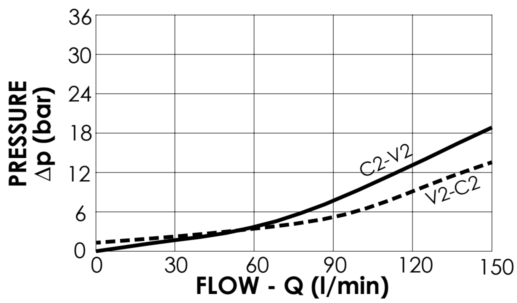
Max. operating pressure:	**350 bar**
Rated flow:	**150 l/min**
Weight: Aluminium 2,5 kg; Steel 5.84 kg	

SEALING CAP

Ordering code:

ST000012





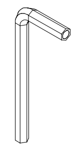
NOTES

Setting: at least 1.3 times the load induced pressure

Hex key for setting the valve:

Ordering code:

PV000669



ORDERING CODES

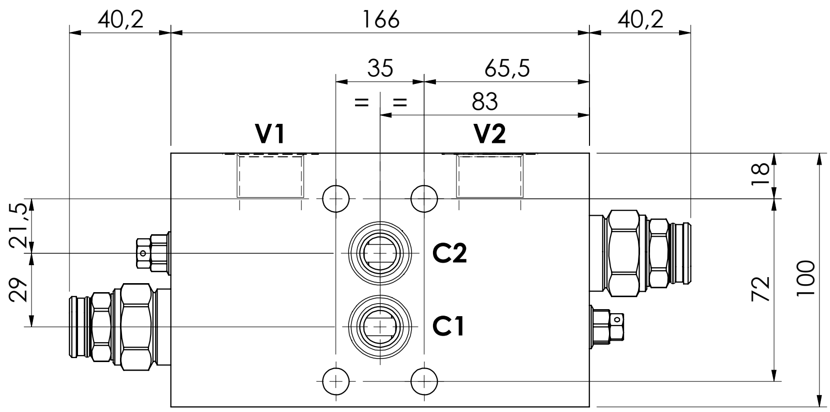
Quick code	Description	Pilot ratio	Manifold material	Main ports size	Standard setting (bar,Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000436	MBDP-150-ZLDE-04-G34-N350	4:1	Aluminium	V1, V2: **G3/4"** C1, C2: **G3/4"**	350	100-350	104
MB000437	MBDP-150-ZLDE-04-G34-N200	4:1	Aluminium	V1, V2: **G3/4"** C1, C2: **G3/4"**	200	60-210	56
MB000438	MBDP-150-ALDE-04-G34-N350	4:1	Steel	V1, V2: **G3/4"** C1, C2: **G3/4"**	350	100-350	104
MB000439	MBDP-150-ALDE-04-G34-N200	4:1	Steel	V1, V2: **G3/4"** C1, C2: **G3/4"**	200	60-210	56
MB000416	MBDP-150-ZLDE-08-G34-N350	8:1	Aluminium	V1, V2: **G3/4"** C1, C2: **G3/4"**	350	200-350	82
MB000417	MBDP-150-ZLDE-08-G34-N200	8:1	Aluminium	V1, V2: **G3/4"** C1, C2: **G3/4"**	200	60-210	47
MB000422	MBDP-150-ALDE-08-G34-N350	8:1	Steel	V1, V2: **G3/4"** C1, C2: **G3/4"**	350	200-350	82
MB000423	MBDP-150-ALDE-08-G34-N200	8:1	Steel	V1, V2: **G3/4"** C1, C2: **G3/4"**	200	60-210	47

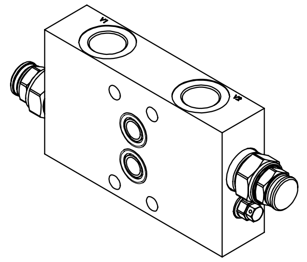
OVERCENTRE VALVE

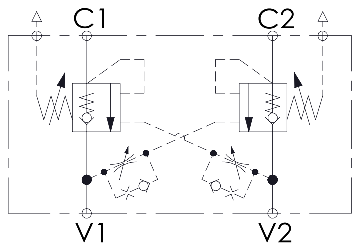
MBDT-150-ZBNV

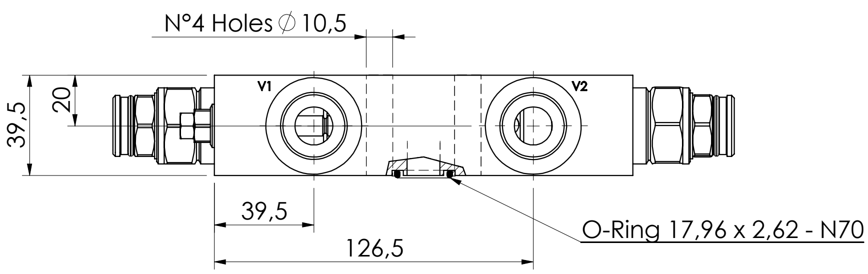
DOUBLE ACTING
TWO FLANGED PORTS
COMPENSATED

ATLANTIC Fluid Tech









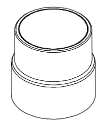
SPECIFICATIONS

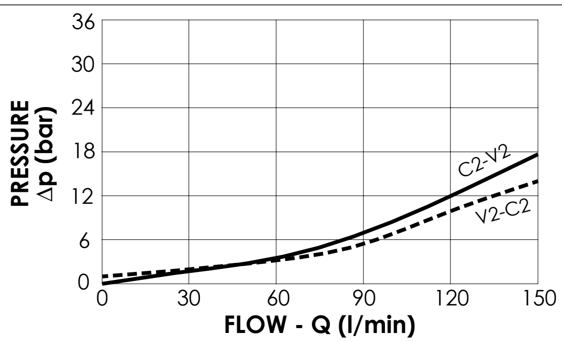
Max. operating pressure:	**350 bar**
Rated flow:	**150 l/min**
Weight: Aluminium 2,14 kg; Steel 4,85 kg	

SEALING CAP

Ordering code:

ST000012





NOTES

Setting: at least 1.3 times the load induced pressure

ORDERING CODES

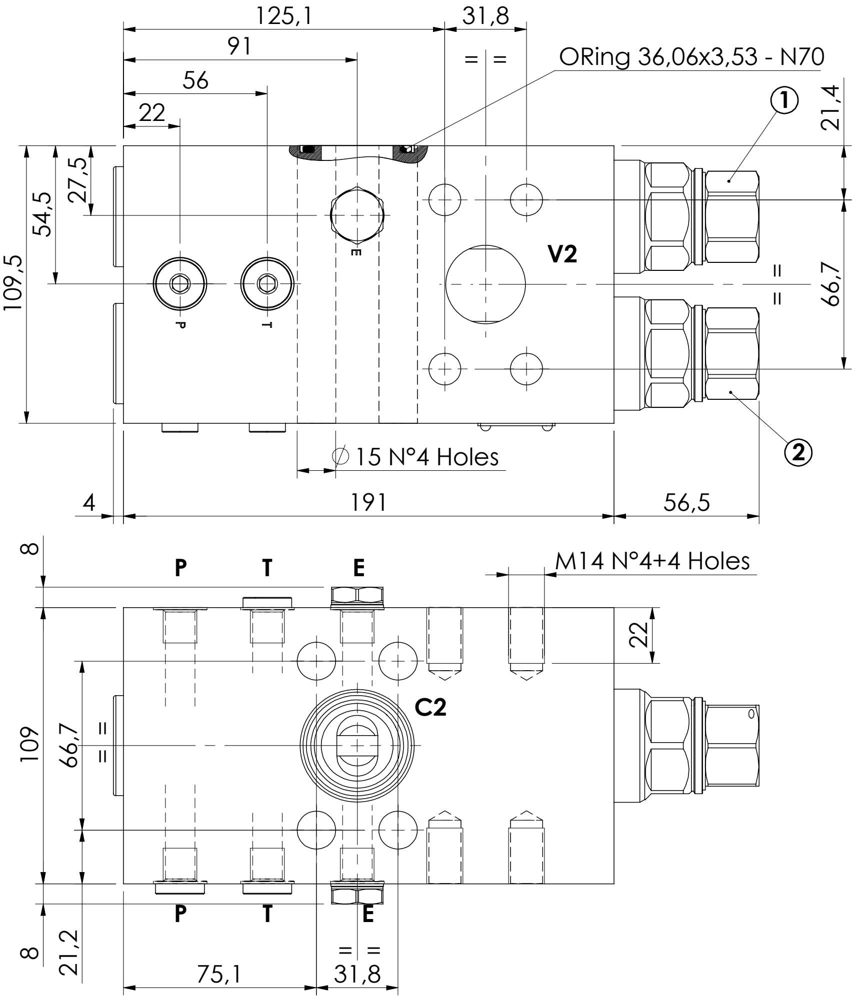
Quick code	Description	Pilot ratio	Manifold material	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000429	MBDT-150-ZBNV-04-G34-N350	4:1	Aluminium	V1,V2: **G 3/4"** C1,C2: ∅**13**	350	100-350	104
MB000641	MBDT-150-ZBNV-04-G12-N350	4:1	Aluminium	V1,V2: **G 1/2"** C1,C2: ∅**13**	350	100-350	104
MB000646	MBDT-150-ABNV-04-G34-N350	4:1	Steel	V1,V2: **G 3/4"** C1,C2: ∅**13**	350	100-350	104
MB000647	MBDT-150-ABNV-04-G12-N350	4:1	Steel	V1,V2: **G 1/2"** C1,C2: ∅**13**	350	100-350	104

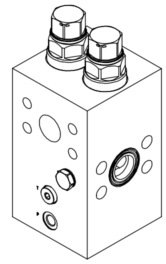
OVERCENTRE VALVE

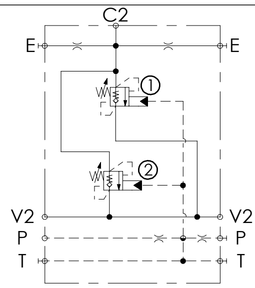
MBDN-500-ABNR

DOUBLE ACTING

ATLANTIC Fluid Tech

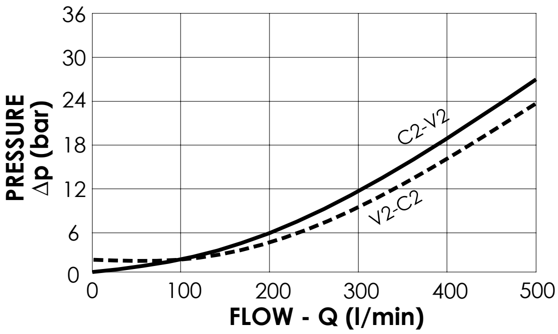






SPECIFICATIONS

Max. operating pressure:	**420 bar**
Rated flow:	**500 l/min**
Manifold:	**Steel**
Weight:	**16,32 kg**



NOTES

T line plugs must be kept closed

ORDERING CODES

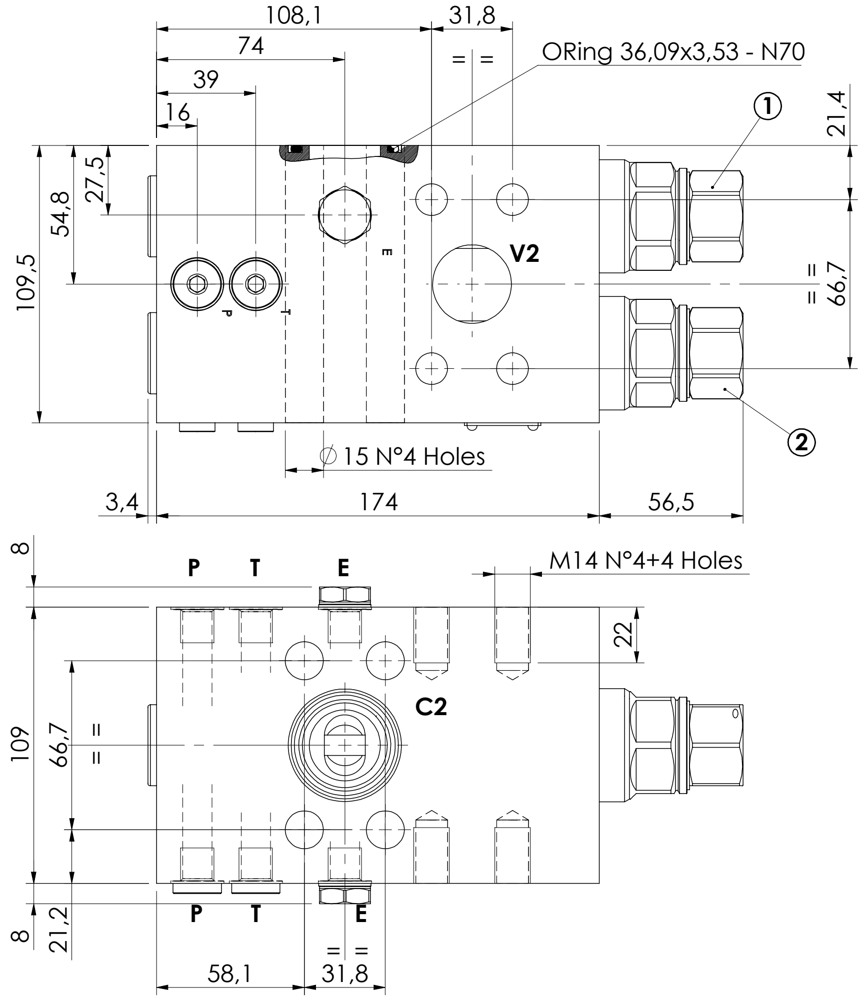
Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000979	**MBDN-500-ABNR-06-S11-N420**	**6:1**	V2,C2: **1 1/4" SAE 6000** P,T,E: **G 1/4"**	**420**	**250-420**	**104**

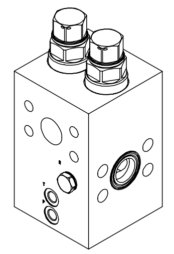
OVERCENTRE VALVE

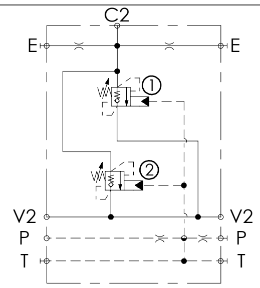
MBDN-500-ABNR

DOUBLE ACTING

ATLANTIC Fluid Tech

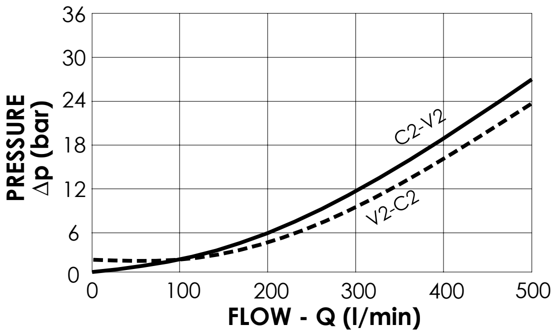






SPECIFICATIONS

Max. operating pressure:	**420 bar**
Rated flow:	**500 l/min**
Manifold:	**Steel**
Weight:	**14,78 kg**



NOTES

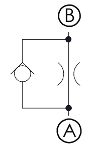
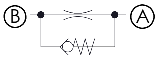
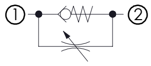
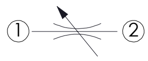
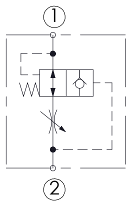
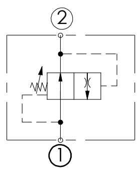
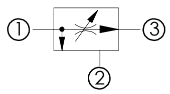
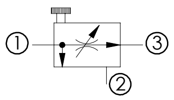
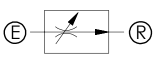
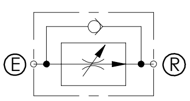
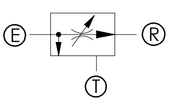
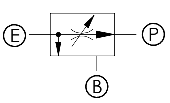
T line plugs must be kept closed

ORDERING CODES

Quick code	Description	Pilot ratio	Main ports size	Standard setting (bar)	Adjust. range (bar)	Pressure increase (bar/turn)
MB000978	MBDN-500-ABNR-13-S11-N420	13:1	V2,C2: **1 1/4" SAE 6000** P,T,E: **G 1/4"**	350	250-420	104

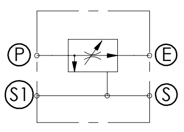
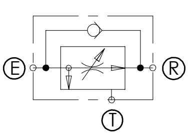
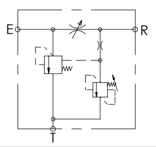
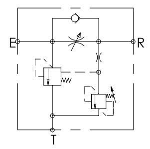
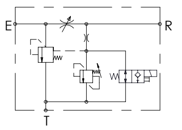
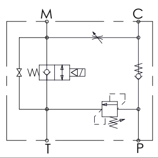
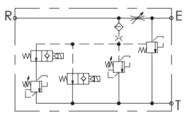
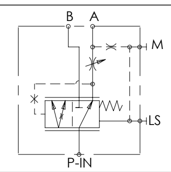
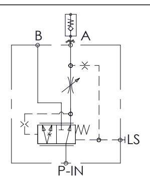
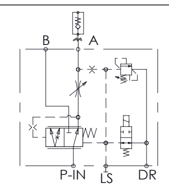
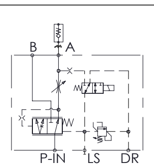
FLOW CONTROL VALVES

ATLANTIC Fluid Tech

Hydraulic scheme	Valve description	Valve type	Rated flow (l/min)	Max. pressure (bar)	Installation	Main port size or cavity type	Page
	CFFN-015-MFSR	Disk type, double mounting	15	350	Insert	G 1/4"	2.01.**010**
	CFFN-030-MFSR	Disk type, double mounting	30	350	Insert	G 3/8"	2.01.**020**
	CFFN-070-MFSR	Disk type, double mounting	70	350	Insert	G 1/2"	2.01.**030**
	CDFN-010-PSNC	Poppet type	10	350	Sleeve	G 1/4"	2.02.**040**
	CFSN-040-MHRR	Not compensated	40	350	Cartridge	SAE-08-2N	2.03.**050**
	CFSN-040-BHRR	Not compensated	40	350	Cartridge	SAE-08-2N	2.04.**060**
	CFSN-070-BHRR	Not compensated	70	350	Cartridge	SAE-10-2N	2.04.**070**
	CFHN-030-MHST	Hose burst valve	29	350	Insert	G 1/4"	2.05.**080**
	CFHN-050-MHST	Hose burst valve	45	350	Insert	G 3/8"	2.05.**080**
	CFHN-070-MHST	Hose burst valve	67	350	Insert	G 1/2"	2.05.**080**
	CFHN-170-MHST	Hose burst valve	169	350	Insert	G 3/4"	2.05.**080**
	CFHN-230-MHST	Hose burst valve	223	350	Insert	G 1"	2.05.**080**
	CFST-010-MDST	Two ways compensated	10	350	Insert	G 1/4"	2.06.**090**
	CFST-025-MDST	Two ways compensated	25	350	Insert	G 3/8"	2.06.**090**
	CFST-070-MDST	Two ways compensated	67	350	Insert	G 1/2"	2.06.**090**
	CFST-150-MDST	Two ways compensated	150	350	Insert	G 3/4"	2.06.**090**
	CFCT-060-MHRR	Three ways combination	60	350	Cartridge	SAE-10-3N	2.07.**100**
	CFPT-140-MVRR	Three ways combination	140	350	Cartridge	SAE-16-3N	2.08.**110**
	MFST-030-RVTR-30	Two ways compensated	30	210-350	In line	G 3/8"	2.09.**120**
	MFST-055-RVTR-55	Two ways compensated	55	210-350	In line	G 1/2"	2.09.**130**
	MFST-090-RPZR	Two ways compensated	90	210	In line	G 1/2"	2.09.**140**
	MFST-090-RVTR-90	Two ways compensated	90	210-350	In line	G 3/4"	2.09.**150**
	MFST-190-RVTR-19	Two ways compensated	190	210-350	In line	G 1"	2.09.**160**
	MFST-055-VVTR	Two ways compensated with check valve	55	210	In line	G 1/2"	2.10.**170**
	MFCT-055-RVTR-30	Three ways compensated	55	210-350	In line	G 3/8"	2.11.**180**
	MFCT-090-RVTR-55	Three ways compensated	90	210-350	In line	G 1/2"	2.11.**190**
	MFCT-090-RPZR	Three ways compensated	90	210	In line	G 1/2"	2.11.**200**
	MFCT-150-RVTR-90	Three ways compensated	150	210-350	In line	G 3/4"	2.11.**210**
	MFCT-280-RVTR-19	Three ways compensated	280	210-350	In line	G 1"	2.11.**220**
	MFPT-090-RVTR	Pressure compensated, priority flow regulator	90	210	In line	G 1/2"	2.11.**230**
	MFPT-090-RPZR	Pressure compensated, priority flow regulator	90	210	In line	G 1/2"	2.11.**240**

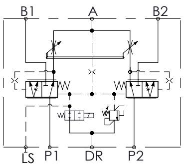
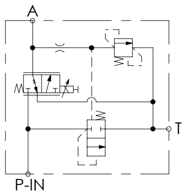
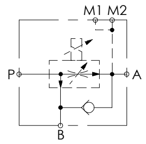
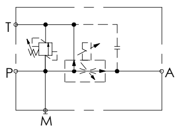
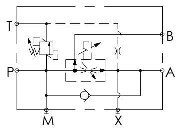
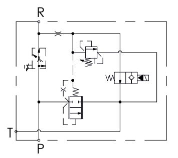
FLOW CONTROL VALVES

ATLANTIC Fluid Tech

Hydraulic scheme	Valve description	Valve type	Rated flow (l/min)	Max. pressure (bar)	Installation	Main port size or cavity type	Page
	MFCT-090-RVTN	Three ways compensated	90	210	In line	G 1/2"	2.11.**250**
	MFCT-090-VPZR	Three ways compensated with check valve	90	210	In line	G 1/2"	2.12.**260**
	MFCT-090-LPZR	Three ways compensated with relief valve	90	210	In line	G 1/2"	2.13.**270**
	MFCT-090-TPZR	Three ways compensated by pass check valve	90	210	In line	G 1/2"	2.14.**280**
	MFCT-090-MPTR MFCT-280-MVTR	Three ways with relief valve and electric unloading Three ways with relief valve and electric unloading	90 280	210 210	In line In line	G 1/2" G 1"	2.15.**290** 2.16.**300**
	BPNN-025-LLEU	Solenoid operated valves	25	350	In line	G 1/2"	2.17.**310**
	MFCT-150-LHTR	Three ways compensated with relief valve	150	210	In line	G 1"	2.18.**320**
	MFPT-100-RHAR	Pressure compensated, priority flow regulator	100	350	In line	G 1/2"	2.19.**330**
	MFPT-200-RHAR MFPT-300-RHAR	Pressure compensated, priority flow regulator Pressure compensated, priority flow regulator	200 300	350 350	In line In line	G 3/4" G 1"	2.20.**340** 2.20.**350**
	MFPT-100-MHAR MFPT-200-MHAR MFPT-300-MHAR	Pressure compensated, priority flow regulator Pressure compensated, priority flow regulator Pressure compensated, priority flow regulator	100 200 300	350 350 350	In line In line In line	G 1/2" G 3/4" G 1"	2.21.**360** 2.21.**370** 2.21.**380**
	MFPT-400-MHAR	Pressure compensated, priority flow regulator	400	350	In line	G 1" 1/4	2.22.**390**

FLOW CONTROL VALVES

ATLANTIC Fluid Tech

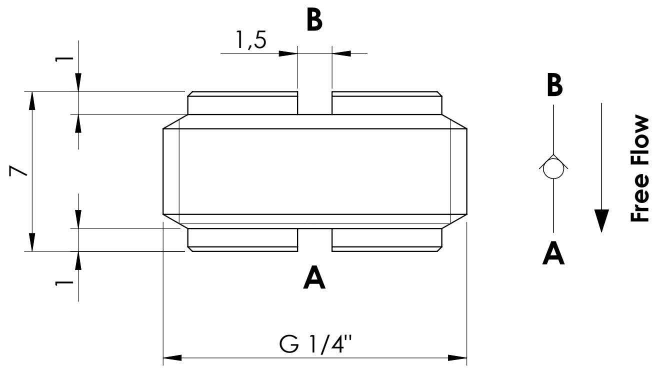
Hydraulic scheme	Valve description	Valve type	Rated flow (l/min)	Max. pressure (bar)	Installation	Main port size or cavity type	Page
	MFTT-100-MHAR MFTT-200-MHAR MFTT-300-MHAR	Pressure compensated, priority flow regulator Pressure compensated, priority flow regulator Pressure compensated, priority flow regulator	2x100 2x200 2x300	350 350 350	In line In line In line	G 1/2" G 3/4" G 1"	2.23.**400** 2.23.**410** 2.23.**420**
	MFCZ-040-LSLR MFCZ-030-LSLR MFCZ-020-LSLR	Proportional valve, compensated Proportional valve, compensated Proportional valve, compensated	40 30 20	210 210 210	In line In line In line	G 3/8" G 3/8" G 3/8"	2.24.**430** 2.24.**430** 2.24.**430**
	MFPC-140-AMLR	Proportional valve, compensated	90	210	In line	G 1/2"	2.25.**440**
	MFPC-140-LMLR	Proportional valve, compensated	90	210	In line	G 1/2"	2.26.**450**
	MFPC-140-TMLR	Proportional valve,compensated	90	210	In line	G 1/2"	2.27.**460**
	MFPC-200-MMAR	Proportional valve, compensated	200	250	In line	G 3/4"	2.28.**470**

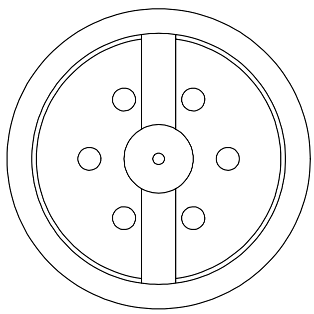
FLOW CONTROL VALVES

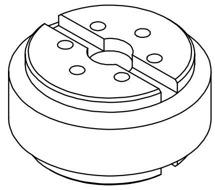
CFFN-015-MFSR

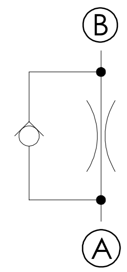
INSERT TYPE
DOUBLE MOUNTING

ATLANTIC Fluid Tech



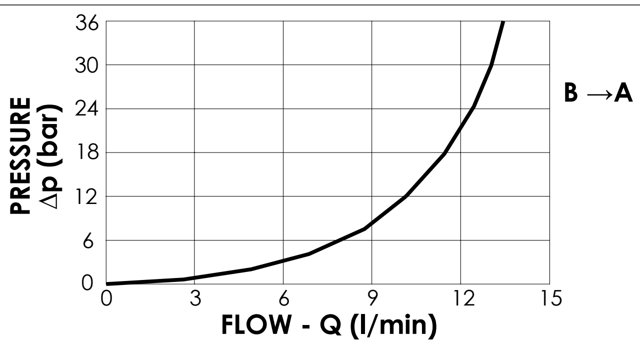






SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**15 l/min**
Cavity:	**G 1/4"**
Weight:	**0,01 kg**
Installation torque:	**5 Nm**



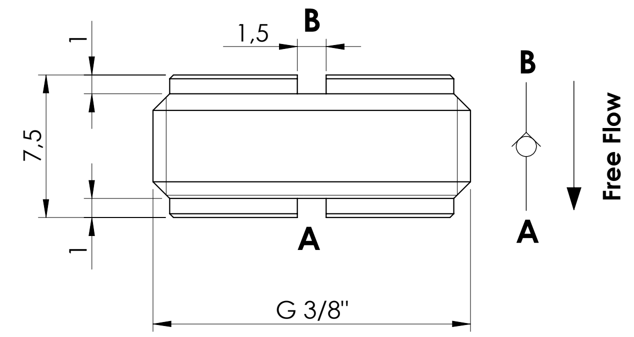
ORDERING CODES

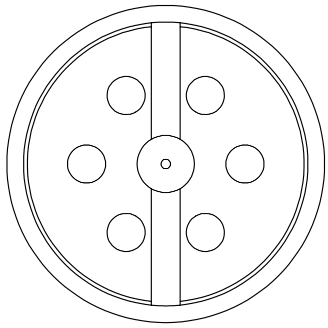
Quick code	Description	∅ Orifice	Quick code	Description	∅ Orifice
CF000118	CFFN-015-MFSR-05-G14-N350	0,5	CF000205	CFFN-015-MFSR-13-G14-N350	1,3
CF000119	CFFN-015-MFSR-06-G14-N350	0,6	CF000206	CFFN-015-MFSR-14-G14-N350	1,4
CF000120	CFFN-015-MFSR-07-G14-N350	0,7	CF000123	CFFN-015-MFSR-15-G14-N350	1,5
CF000121	CFFN-015-MFSR-08-G14-N350	0,8	CF000207	CFFN-015-MFSR-16-G14-N350	1,6
CF000203	CFFN-015-MFSR-09-G14-N350	0,9	CF000208	CFFN-015-MFSR-17-G14-N350	1,7
CF000088	CFFN-015-MFSR-10-G14-N350	1	CF000209	CFFN-015-MFSR-18-G14-N350	1,8
CF000204	CFFN-015-MFSR-11-G14-N350	1,1	CF000210	CFFN-015-MFSR-19-G14-N350	1,9
CF000122	CFFN-015-MFSR-12-G14-N350	1,2	CF000124	CFFN-015-MFSR-20-G14-N350	2,0

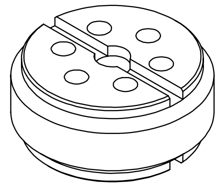
CFFN-030-MFSR

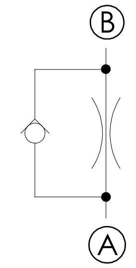
INSERT TYPE
DOUBLE MOUNTING

ATLANTIC
Fluid Tech



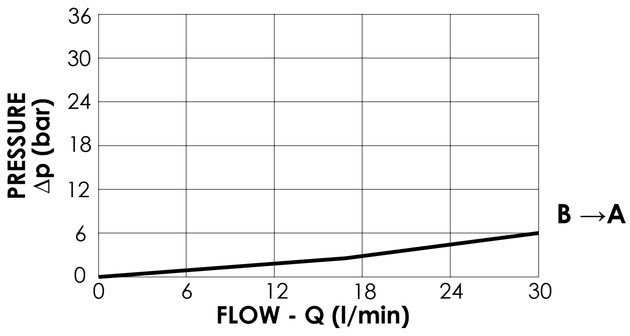






SPECIFICATIONS

Max. operating pressure:	350 bar
Rated flow:	30 l/min
Cavity:	G 3/8
Weight:	0,01 kg
Installation torque:	10 Nm



ORDERING CODES

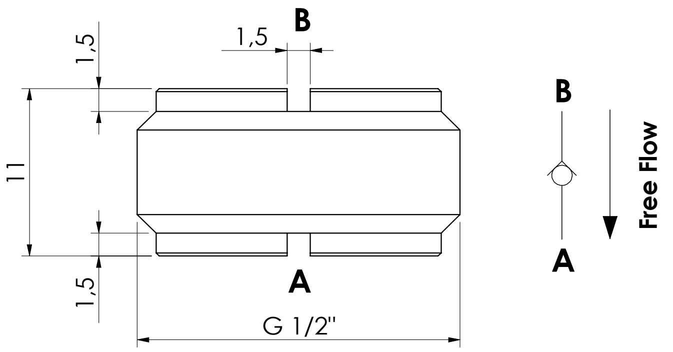
Quick code	Description	∅ Orifice	Quick code	Description	∅ Orifice
CF000068	CFFN-030-MFSR-05-G38-N350	0,5	CF000197	CFFN-030-MFSR-13-G38-N350	1,3
CF000069	CFFN-030-MFSR-06-G38-N350	0,6	CF000198	CFFN-030-MFSR-14-G38-N350	1,4
CF000070	CFFN-030-MFSR-07-G38-N350	0,7	CF000074	CFFN-030-MFSR-15-G38-N350	1,5
CF000071	CFFN-030-MFSR-08-G38-N350	0,8	CF000199	CFFN-030-MFSR-16-G38-N350	1,6
CF000195	CFFN-030-MFSR-09-G38-N350	0,9	CF000200	CFFN-030-MFSR-17-G38-N350	1,7
CF000072	CFFN-030-MFSR-10-G38-N350	1	CF000201	CFFN-030-MFSR-18-G38-N350	1,8
CF000196	CFFN-030-MFSR-11-G38-N350	1,1	CF000202	CFFN-030-MFSR-19-G38-N350	1,9
CF000073	CFFN-030-MFSR-12-G38-N350	1,2	CF000125	CFFN-030-MFSR-20-G38-N350	2,0

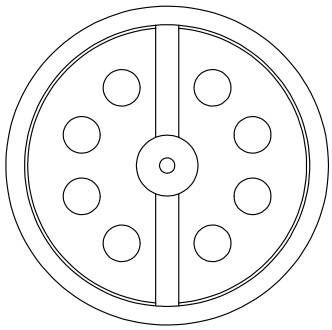
FLOW CONTROL VALVES

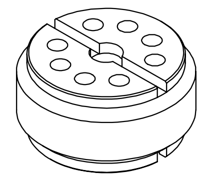
CFFN-070-MFSR

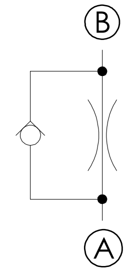
INSERT TYPE
DOUBLE MOUNTING

ATLANTIC Fluid Tech



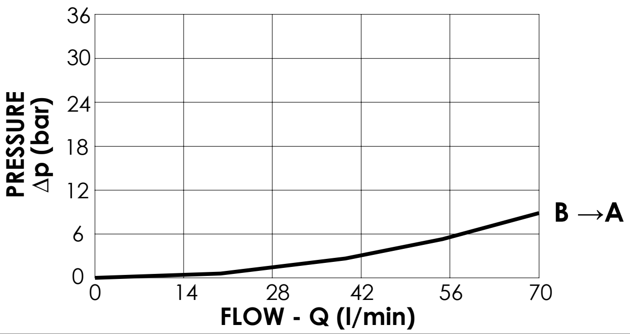






SPECIFICATIONS

Max. operating pressure:	350bar
Rated flow:	70 l/min
Cavity:	G 1/2
Weight:	0,02 kg
Installation torque:	10 Nm



ORDERING CODES

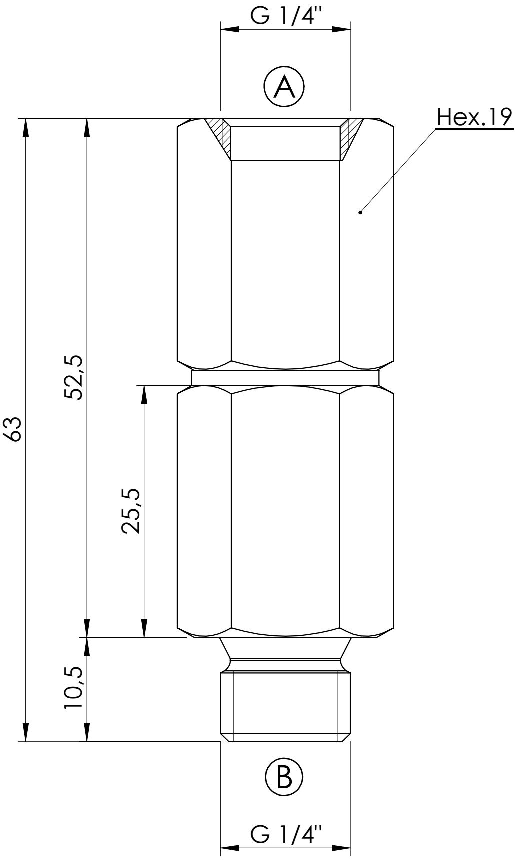
Quick code	Description	∅ Orifice	Quick code	Description	∅ Orifice
CF000127	CFFN-070-MFSR-10-G12-N350	1,0	CF000080	CFFN-070-MFSR-33-G12-N350	3,3
CF000128	CFFN-070-MFSR-15-G12-N350	1,5			
CF000352	CFFN-070-MFSR-18-G12-N350	1,8			
CF000117	CFFN-070-MFSR-20-G12-N350	2,0			
CF000129	CFFN-070-MFSR-25-G12-N350	2,5			
CF000130	CFFN-070-MFSR-30-G12-N350	3,0			

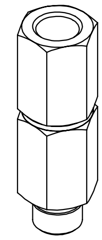
FLOW RESTRICTOR

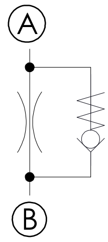
CDFN-010-PSNC

MONO DIRECTIONAL NOT COMPENSATED

ATLANTIC Fluid Tech

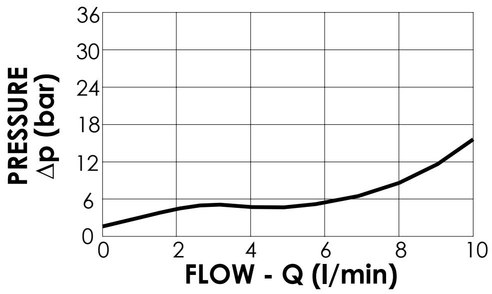






SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow (A to B):	**10 l/min**
Material:	**Steel**
Weight:	**0,11 kg**



ORDERING CODES

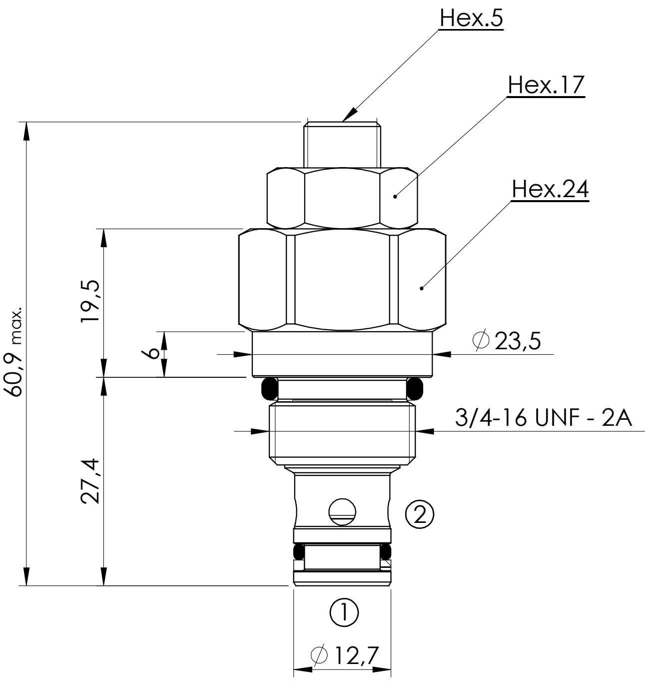
Quick code	Description	Cracking pressure (bar)	Ports	∅ Hole (mm)
CD000084	**CDFN-010-PSNC-05-G14-N350**	**5**	**A,B: G 1/4"**	**∅0,5**
CD000085	**CDFN-010-PSNC-06-G14-N350**	**5**	**A,B: G 1/4"**	**∅0,6**
CD000086	**CDFN-010-PSNC-07-G14-N350**	**5**	**A,B: G 1/4"**	**∅0,7**
CD000087	**CDFN-010-PSNC-08-G14-N350**	**5**	**A,B: G 1/4"**	**∅0,8**
CD000089	**CDFN-010-PSNC-10-G14-N350**	**5**	**A,B: G 1/4"**	**∅1**
CD000091	**CDFN-010-PSNC-13-G14-N350**	**5**	**A,B: G 1/4"**	**∅1,3**
CD000167	**CDFN-010-PSNC-03-G14-N350**	**5**	**A,B: G 1/4"**	**∅0,5 & wire ∅0,4**
CD000168	**CDFN-010-PSNC-04-G14-N350**	**5**	**A,B: G 1/4"**	**∅0,6 & wire ∅0,4**

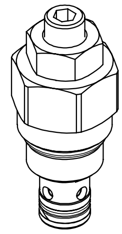
FLOW RESTRICTOR

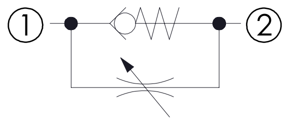
CFSN-040-MHRR

NEEDLE RESTRICTOR
FREE REVERSE FLOW

ATLANTIC Fluid Tech





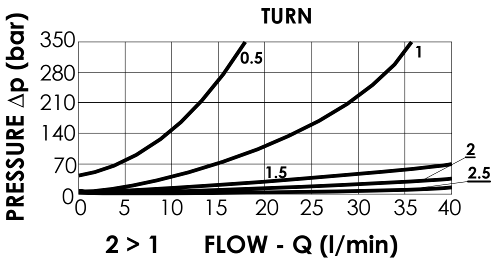


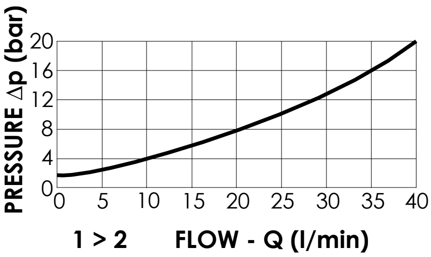
SPECIFICATIONS

Max. operating pressure:	350 bar
Rated Flow:	40 l/min
Material:	Steel
Cavity:	SAE-08-2N
Weight:	0,12 kg
Seal kit:	RA700081

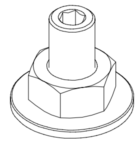
NOTES

Installation torque:	45-50 Nm





ADJUSTMENT OPTIONS



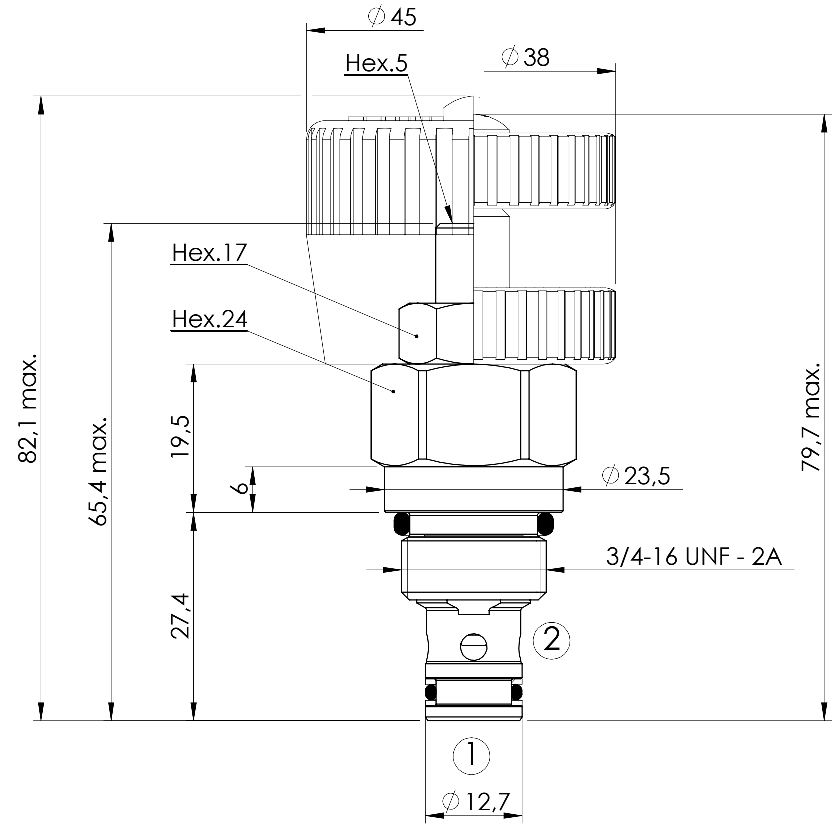
Adjustment with Screw

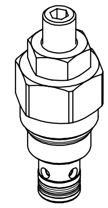
ORDERING CODES

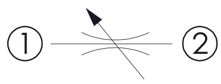
Quick code	Description	Options	
CF000167	CFSN-040-MHRR-NP-S08-N350	Adjustment with Screw	

FLOW RESTRICTOR

CFSN-040-BHRR





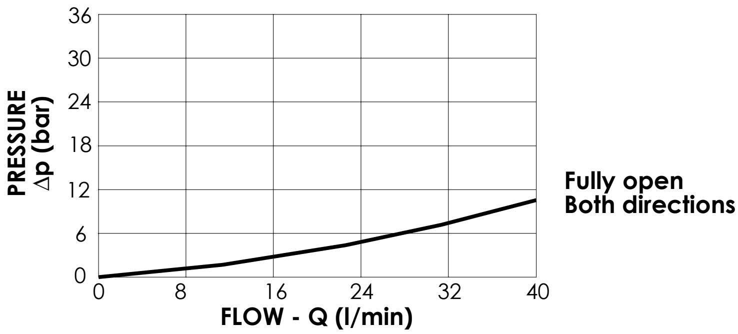


SPECIFICATIONS

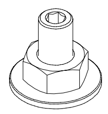
Max. operating pressure:	350 bar
Rated flow:	40 l/min
Material:	Steel
Cavity:	SAE-08-2N
Weight:	0,12 kg
Seal kit:	RB700081

NOTES

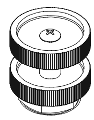
Installation torque:	45-50 Nm



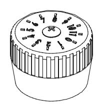
ADJUSTMENT OPTIONS



Screw and locknut



Handknob and locknut



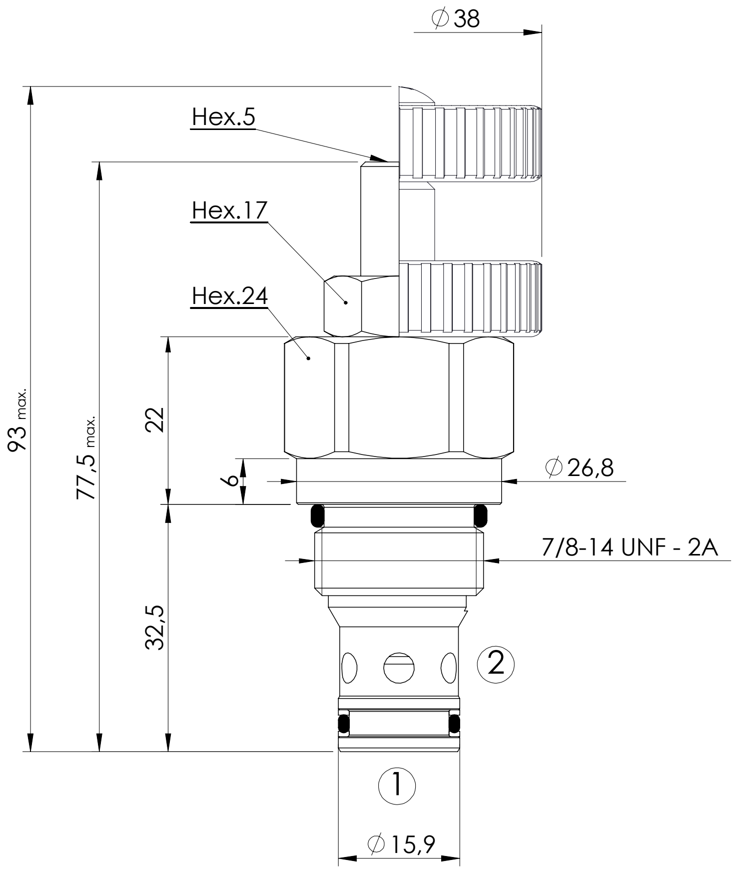
Graduated handknob

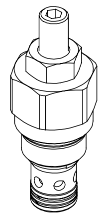
ORDERING CODES

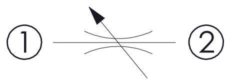
Quick code	Description	Adjustment options	
CF000112	CFSN-040-BHRR-NP-S08-N350	Screw and locknut	
CF000109	CFSN-040-BVRR-NP-S08-N350	Handknob and locknut	
CF000253	CFSN-040-BMRR-NP-S08-N350	Graduated handknob	

FLOW RESTRICTOR

CFSN-070-BHRR





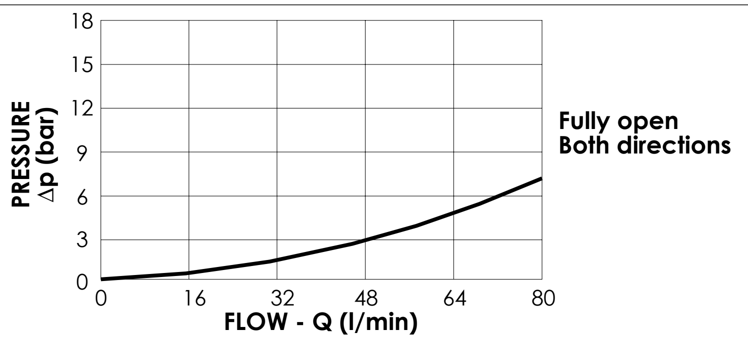


SPECIFICATIONS

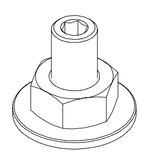
Max. operating pressure:	350 bar
Rated flow:	70 l/min
Material:	Steel
Cavity:	SAE-10-2N
Weight:	0,17 kg
Seal kit:	RB700082

NOTES

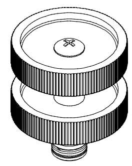
Installation torque:	55-62 Nm



ADJUSTMENT OPTIONS



Adjustments with Screw



Adjustments with Handknob

ORDERING CODES

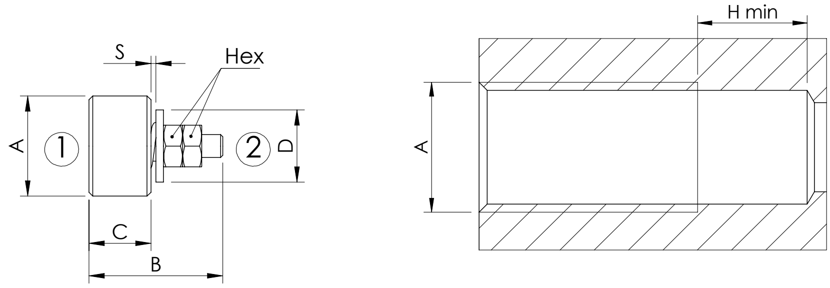
Quick code	Description	Options	
CF000136	CFSN-070-BHRR-NP-S10-N350	Adjustments with Screw	
CF000116	CFSN-070-BVRR-NP-S10-N350	Adjustments with Handknob	

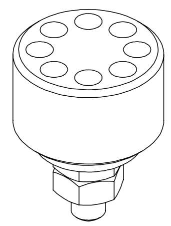
HOSE BURST VALVE

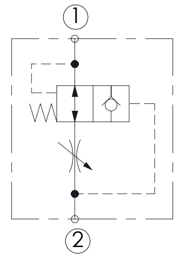
CFHN-XXX-MHST

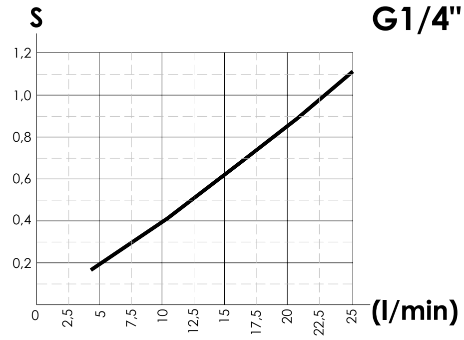
INSERT TYPE

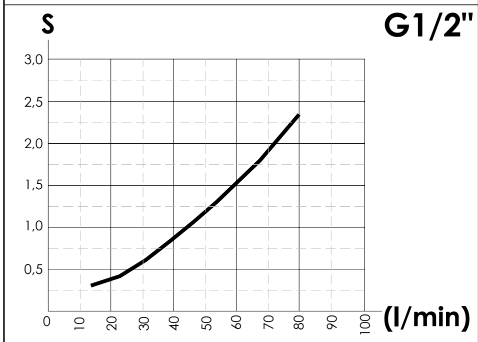
ATLANTIC Fluid Tech

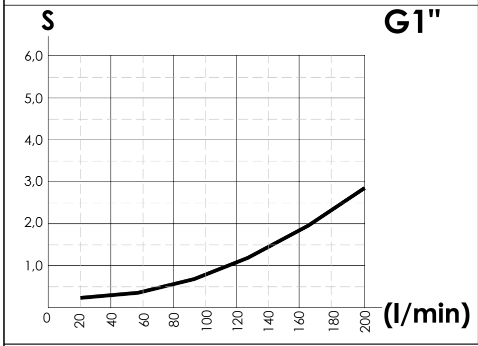












SPECIFICATIONS

Max. operating pressure: 300 bar

	Max flow (l/min)	Min flow (l/min)
G1/4"	25	4
G3/8"	50	6,3
G1/2"	80	16
G3/4"	160	25
G1"	200	80

For sleeve housing consult Accessories section

ORDERING CODES

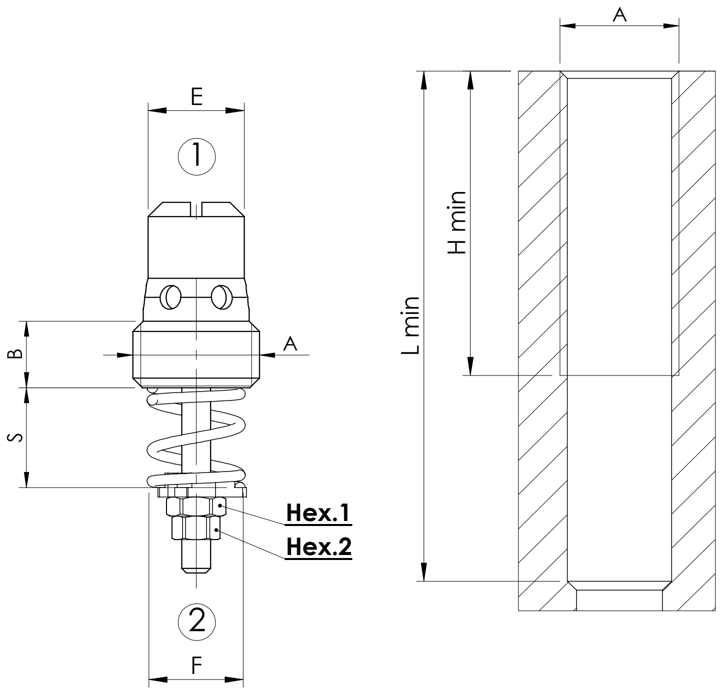
Quick code	Description	A	B	C	D	Hex.	H
CF000348	CFHN-030-MHST-00-235	G 1/4"	17,5	8,1	9,5	5,5	11
CF000381	CFHN-050-MHST-00-234	G 3/8"	21	10,6	12,5	5,5	11
CF000379	CFHN-080-MHST-00-233	G 1/2"	25	12,1	15	7	15
CF000339	CFHN-160-MHST-00-195	G 3/4"	30,5	17,1	17,5	7	16
CF000382	CFHN-200-MHST-00-232	G 1"	38	22,1	26	7	20

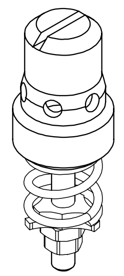
FLOW REGULATOR

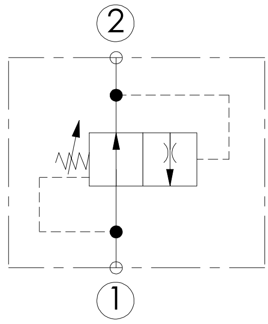
CFST-XXX-MDST

2 WAYS COMPENSATED INSERT TYPE

ATLANTIC Fluid Tech





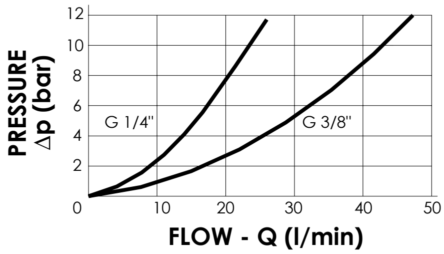


SPECIFICATIONS

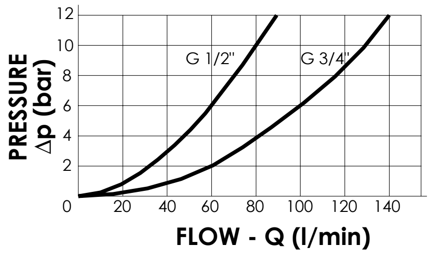
Max. operating pressure:	300 bar

A	B	C	D	E	F	H min	L min	Hex.1	Hex.2	Installation torque:		Max. Flow 2 → 1	Max. Flow 1 → 2
G 1/4"	7	12,5	39	10	10,5	33	55	5,5	4,5	6	G1/4"	10	25
G 3/8"	7	13,5	43	11,5	13,5	34	60	7	6	8	G3/8"	25	50
G 1/2"	8	16	49	15	18	40	70	7	6	12	G1/2"	67	90
G 3/4"	10	21	61	20	23	51	80	7	6	15	G3/4"	150	150

1 to 2



1 to 2



For sleeve housing consult Accessories section

ORDERING CODES

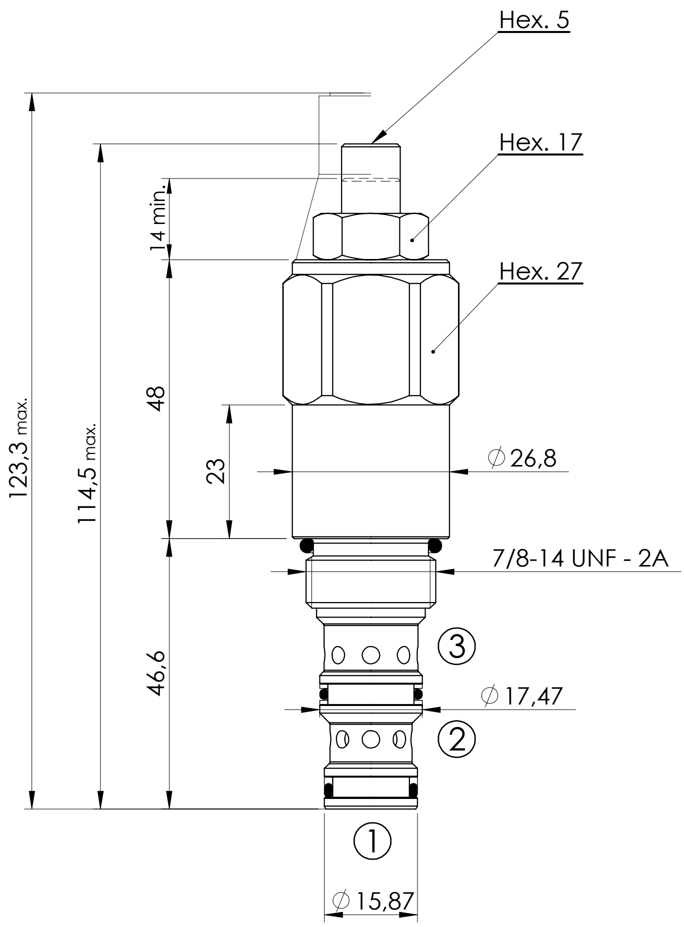
G 1/4"		G 3/8"		G 1/2"		G 3/4"	
Quick code	Flow Range Adjustment (l/min)	Quick code	Flow Range Adjustment (l/min)	Quick code	Flow Range Adjustment (l/min)	Quick code	Flow Range Adjustment (l/min)
CF000104	1-1,6	CF000099	2,5-4	CF000093	16-21	CF000096	37-50
CF000105	1,6-2,5	CF000100	4-6,3	CF000094	21-28	CF000097	50-67
CF000106	2,5-4	CF000101	6,3-10	CF000095	28-37	CF000098	67-90
CF000107	4-6,3	CF000102	10-16	CF000081	37-50	CF000083	90-120
CF000108	6,3-10	CF000103	16-25	CF000082	50-67	CF000092	120-150

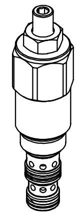
FLOW REGULATOR

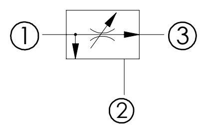
CFCT-060-MHRR

3 WAYS COMBINATION ADJUSTABLE SETTING

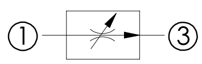
ATLANTIC Fluid Tech







3 way application



2 way application, port 2 not connected

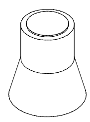
SPECIFICATIONS

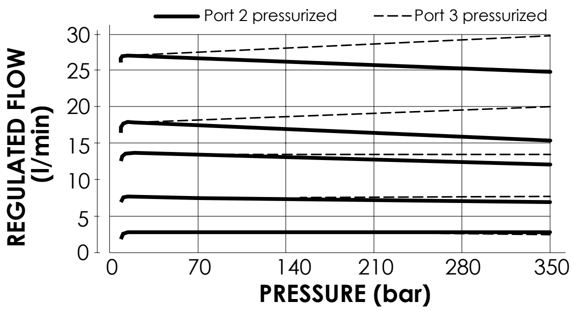
Max. operating pressure:	350 bar
Rated flow:	60 l/min
Cavity:	SAE-10-3N
Weight:	0,28 kg

SEALING CAP

Ordering code:

AT000022





NOTES

Installation torque:	55 - 62 Nm
Seal kit:	RA700092

If port 2 is blocked the valve operates as a two way flow regulator.

Port 2 can be pressurized.

ORDERING CODES

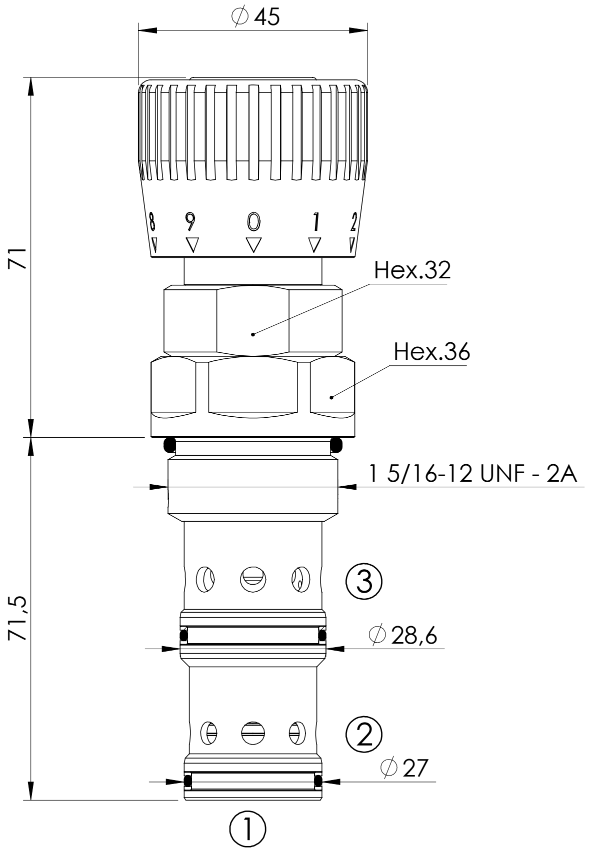
Quick code	Description	Max. Inlet Flow (l/min)	Reg. Flow range (l/min)	Adjust. range (bar)	
CF000063	CFCT-060-MHRR-03-S10-N350	60	2,5-3,5	Screw nut locknut	
CF000149	CFCT-060-MHRR-04-S10-N350	60	3-4,5	Screw nut locknut	
CF000150	CFCT-060-MHRR-06-S10-N350	60	4,2-6,2	Screw nut locknut	
CF000006	CFCT-060-MHRR-09-S10-N350	60	5,8-9	Screw nut locknut	
CF000054	CFCT-060-MHRR-12-S10-N350	60	8,5-12	Screw nut locknut	
CF000062	CFCT-060-MHRR-16-S10-N350	60	11,5-16,5	Screw nut locknut	
CF000151	CFCT-060-MHRR-23-S10-N350	60	15,5-22,5	Screw nut locknut	
CF000152	CFCT-060-MHRR-30-S10-N350	60	20-29,5	Screw nut locknut	
CF000057	CFCT-060-MHRR-32-S10-N350	60	26,5-35,5	Screw nut locknut	

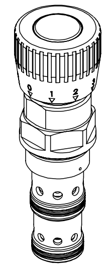
FLOW REGULATOR

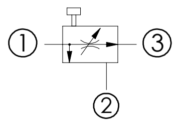
CFPT-140-MVRR

3 WAYS COMBINATION
ADJUSTABLE SETTING

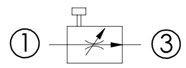
ATLANTIC Fluid Tech







3 way application



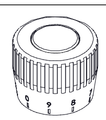
2 way application, port 2 not connected

SPECIFICATIONS

Max. operating pressure:	350 bar
Division or combination:	140 l/min
Cavity:	SAE-16-3N
Weight:	0,7 kg
Seal kit:	RB700094

ADJUSTMENT TYPE

Graduated handknob for flow regulation under pressure



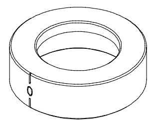
NOTES

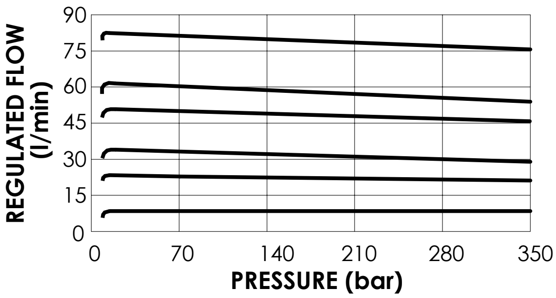
Installation torque:	118 - 132 Nm

If port 2 is blocked the valve operates as a two way flow regulator.
Port 2 can be pressurized.

The washer is used to indicate the zero.

Ordering code:
SV000083





ORDERING CODES

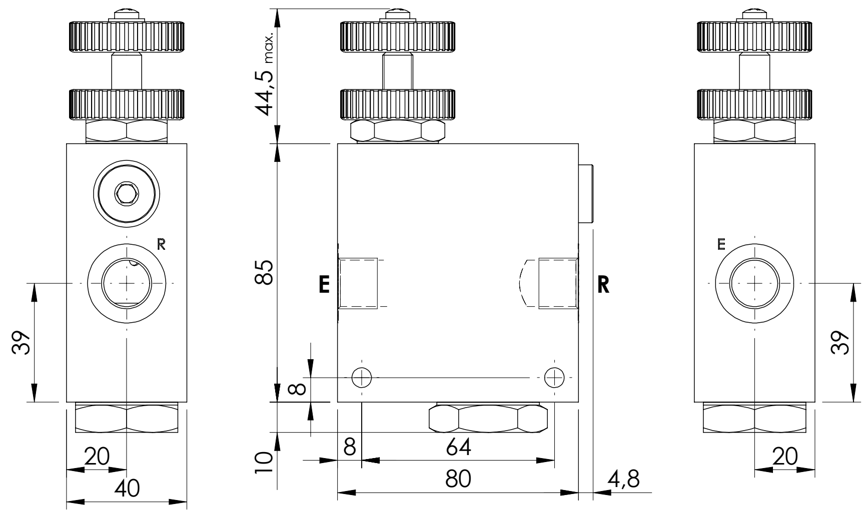
Quick code	Description	Regulated flow range (l/min)	Adjustment option
CF000310	CFPT-140-MVRR-15-S16-N350	0 - 15	Graduated handknob
CF000311	CFPT-140-MVRR-25-S16-N350	0 - 25	Graduated handknob
CF000312	CFPT-140-MVRR-35-S16-N350	0 - 35	Graduated handknob
CF000313	CFPT-140-MVRR-50-S16-N350	0 - 50	Graduated handknob
CF000314	CFPT-140-MVRR-65-S16-N350	0 - 65	Graduated handknob
CF000315	CFPT-140-MVRR-80-S16-N350	0 - 80	Graduated handknob

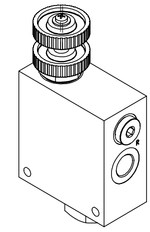
FLOW REGULATOR

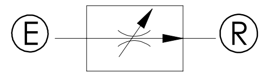
MFST-030-RVTR

2 WAYS COMPENSATED

ATLANTIC Fluid Tech



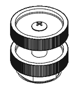


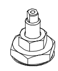


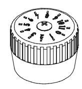
SPECIFICATIONS

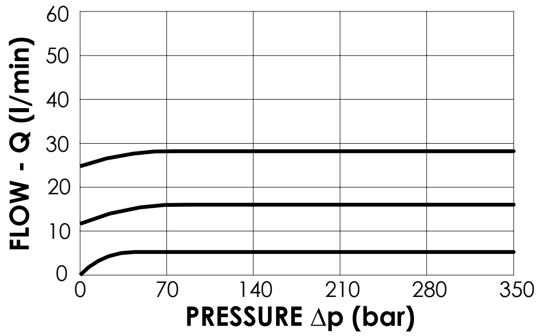
Max. operating pressure:	**See table**
Rated flow:	**30 l/min**
Manifold:	**Aluminium/Steel**
Weight:	**0,95/1,39 kg**

ADJUSTMENT OPTIONS


Handknob and locknut


Screw and locknut


Graduated handknob



NOTES

Regulation: FINE

ORDERING CODES

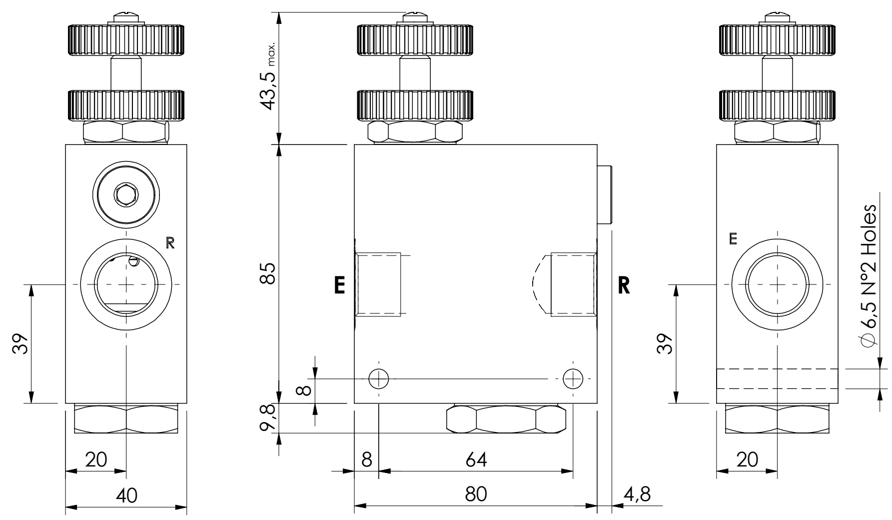
Quick code	Description	Main ports size	Manifold	Max. Pressure (Bar)	Max. inlet flow (l/min)	Adjustment options
MF000241	**MFST-030-RVTR-30-G38-N210**	E,R: **G 3/8"**	**Aluminium**	**210**	**30**	**Handknob and locknut**
MF000242	**MFST-030-RHTR-30-G38-N210**	E,R: **G 3/8"**	**Aluminium**	**210**	**30**	**Screw and locknut**
MF000243	**MFST-030-RMTR-30-G38-N210**	E,R: **G 3/8"**	**Aluminium**	**210**	**30**	**Graduated handknob**
MF000244	**MFST-030-RVSR-30-G38-N350**	E,R: **G 3/8"**	**Steel**	**350**	**30**	**Handknob and locknut**
MF000245	**MFST-030-RHSR-30-G38-N350**	E,R: **G 3/8"**	**Steel**	**350**	**30**	**Screw and locknut**
MF000246	**MFST-030-RMSR-30-G38-N350**	E,R: **G 3/8"**	**Steel**	**350**	**30**	**Graduated handknob**

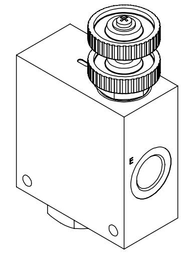
FLOW REGULATOR

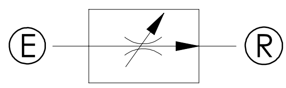
MFST-055-TVTR

2 WAYS COMPENSATED

ATLANTIC Fluid Tech



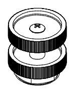


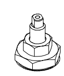


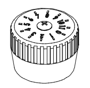
SPECIFICATIONS

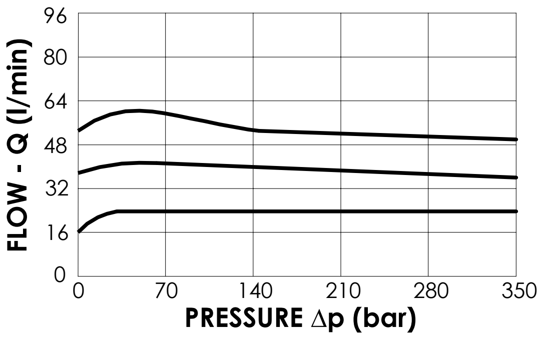
Max. operating pressure:	See table
Rated flow:	55 l/min
Manifold:	Aluminium/Steel
Weight:	0,94/2,01 kg

ADJUSTMENT OPTIONS


Handknob and locknut


Screw and locknut


Graduated handknob



NOTES

Regulation: FINE

ORDERING CODES

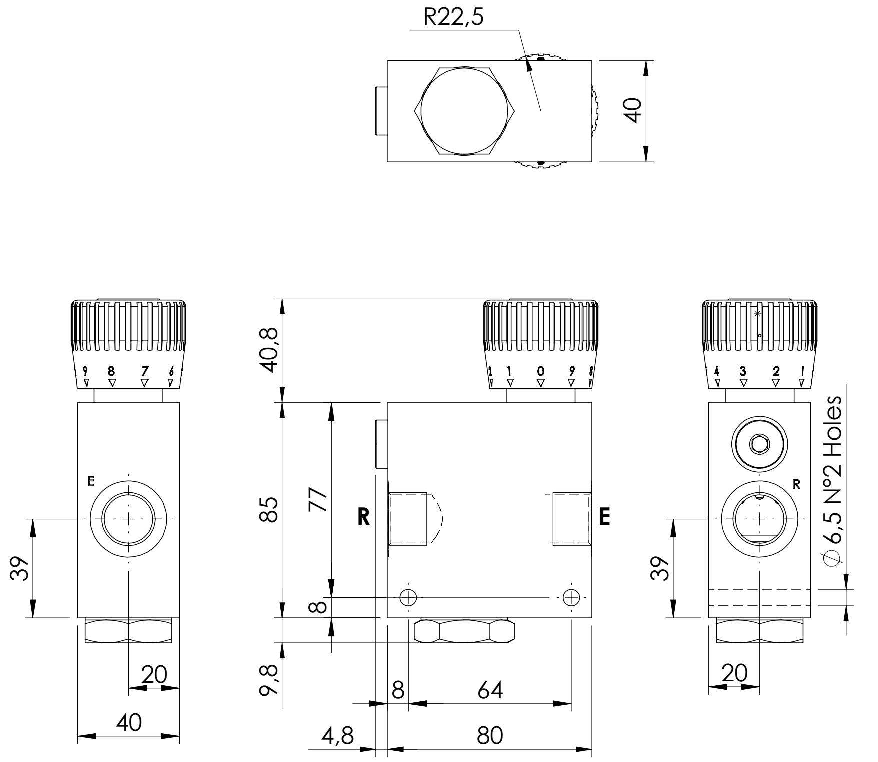
Quick code	Description	Main ports size	Manifold	Max. Pressure (Bar)	Max. inlet flow (l/min)	Adjustment options
MF000052	MFST-055-RVTR-55-G12-N210	E,R: **G 1/2"**	Aluminium	210	55	Handknob and locknut
MF000238	MFST-055-RHTR-55-G12-N210	E,R: **G 1/2"**	Aluminium	210	55	Screw and locknut
MF000106	MFST-055-RMTR-55-G12-N210	E,R: **G 1/2"**	Aluminium	210	55	Graduated handknob
MF000148	MFST-055-RVSR-55-G12-N350	E,R: **G 1/2"**	Steel	350	55	Handknob and locknut
MF000239	MFST-055-RHSR-55-G12-N350	E,R: **G 1/2"**	Steel	350	55	Screw and locknut
MF000240	MFST-055-RMSR-55-G12-N350	E,R: **G 1/2"**	Steel	350	55	Graduated handknob

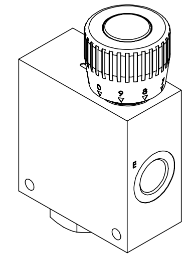
FLOW REGULATOR

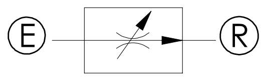
MFST-090-RPZR

2 WAYS COMPENSATED

ATLANTIC Fluid Tech





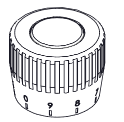


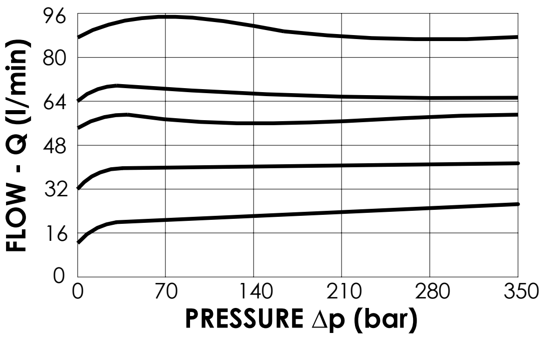
SPECIFICATIONS

Max. operating pressure:	**210 bar**
Rated flow:	**90 l/min**
Manifold:	**Aluminium**
Weight:	**0,93 kg**

ADJUSTMENT TYPE

Graduated handknob for flow regulation under pressure





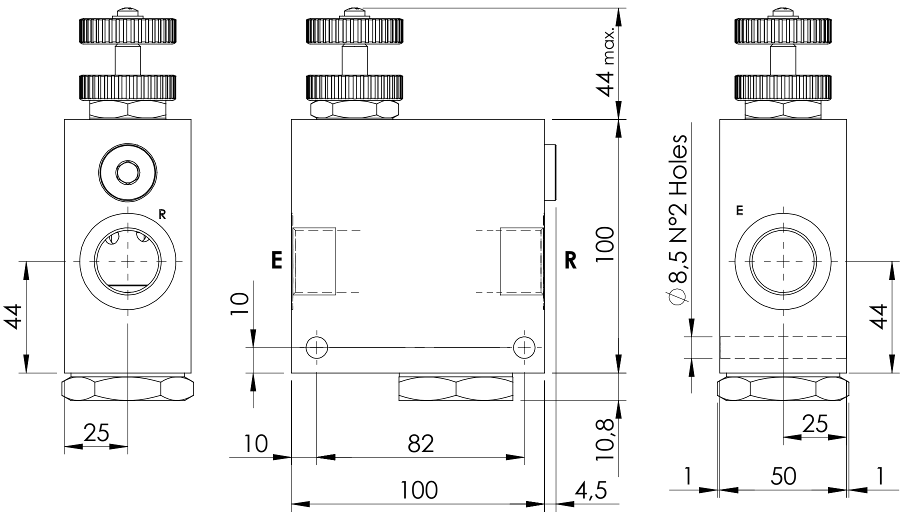
ORDERING CODES

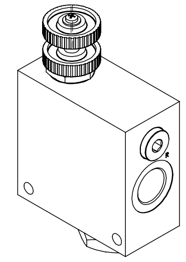
Quick code	Description	Main ports size	Regulated flow range (l/min)	Adjustment type
MF000186	MFST-090-RPZR-06-G12-N210	G 1/2"	0 - 6	Graduated handknob
MF000187	MFST-090-RPZR-12-G12-N210	G 1/2"	0 - 12	Graduated handknob
MF000188	MFST-090-RPZR-25-G12-N210	G 1/2"	0 - 25	Graduated handknob
MF000189	MFST-090-RPZR-32-G12-N210	G 1/2"	0 - 32	Graduated handknob
MF000190	MFST-090-RPZR-50-G12-N210	G 1/2"	0 - 50	Graduated handknob
MF000191	MFST-090-RPZR-63-G12-N210	G 1/2"	0 - 63	Graduated handknob

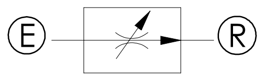
FLOW REGULATOR

MFST-090-RVTR

2 WAYS COMPENSATED



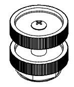




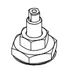
SPECIFICATIONS

Max. operating pressure:	**See table**
Rated flow:	**90 l/min**
Manifold:	**Aluminium/Steel**
Weight:	**1,66/ 3,6 kg**

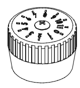
ADJUSTMENT OPTIONS



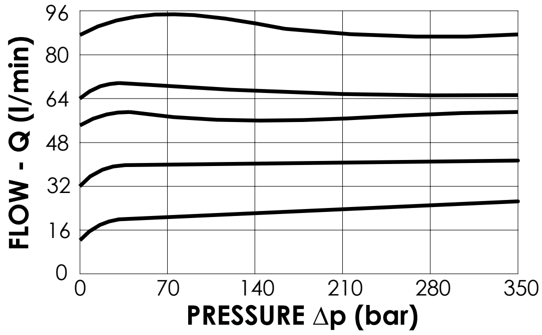
Handknob and locknut



Screw and locknut



Graduated handknob



NOTES

Regulation: STANDARD

ORDERING CODES

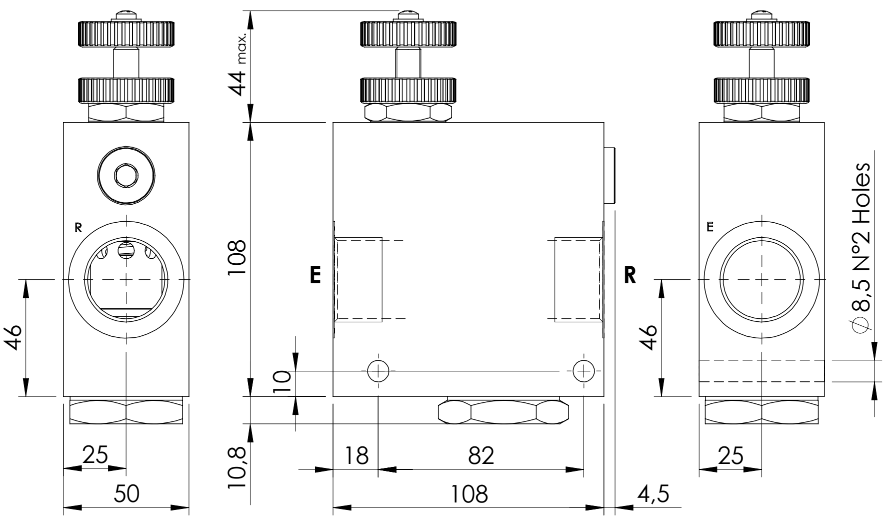
Quick code	Description	Main ports size	Manifold	Max. pressure (Bar)	Max. inlet flow (l/min)	Adjustment options
MF000042	**MFST-090-RVTR-90-G34-N210**	E,R: **G 3/4"**	**Aluminium**	**210**	**90**	**Handknob and locknut**
MF000234	**MFST-090-RHTR-90-G34-N210**	E,R: **G 3/4"**	**Aluminium**	**210**	**90**	**Screw and locknut**
MF000235	**MFST-090-RMTR-90-G34-N210**	E,R: **G 3/4"**	**Aluminium**	**210**	**90**	**Graduated handknob**
MF000139	**MFST-090-RVSR-90-G34-N350**	E,R: **G 3/4"**	**Steel**	**350**	**90**	**Handknob and locknut**
MF000236	**MFST-090-RHSR-90-G34-N350**	E,R: **G 3/4"**	**Steel**	**350**	**90**	**Screw and locknut**
MF000237	**MFST-090-RMSR-90-G34-N350**	E,R: **G 3/4"**	**Steel**	**350**	**90**	**Graduated handknob**

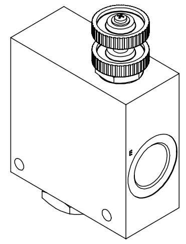
FLOW REGULATOR

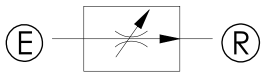
MFST-190-RVTR

2 WAYS COMPENSATED

ATLANTIC Fluid Tech



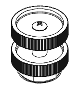


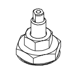


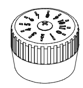
SPECIFICATIONS

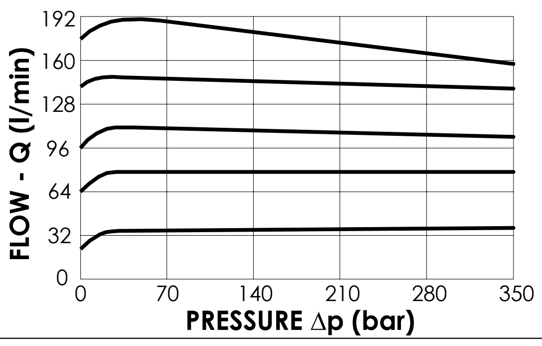
Max. operating pressure:	210/350 bar
Rated flow:	190 l/min
Manifold:	Aluminium/Steel
Weight:	1,8/4,0 kg

ADJUSTMENT OPTIONS


Handknob and locknut


Screw and locknut


Graduated handknob



NOTES

Regulation: STANDARD

ORDERING CODES

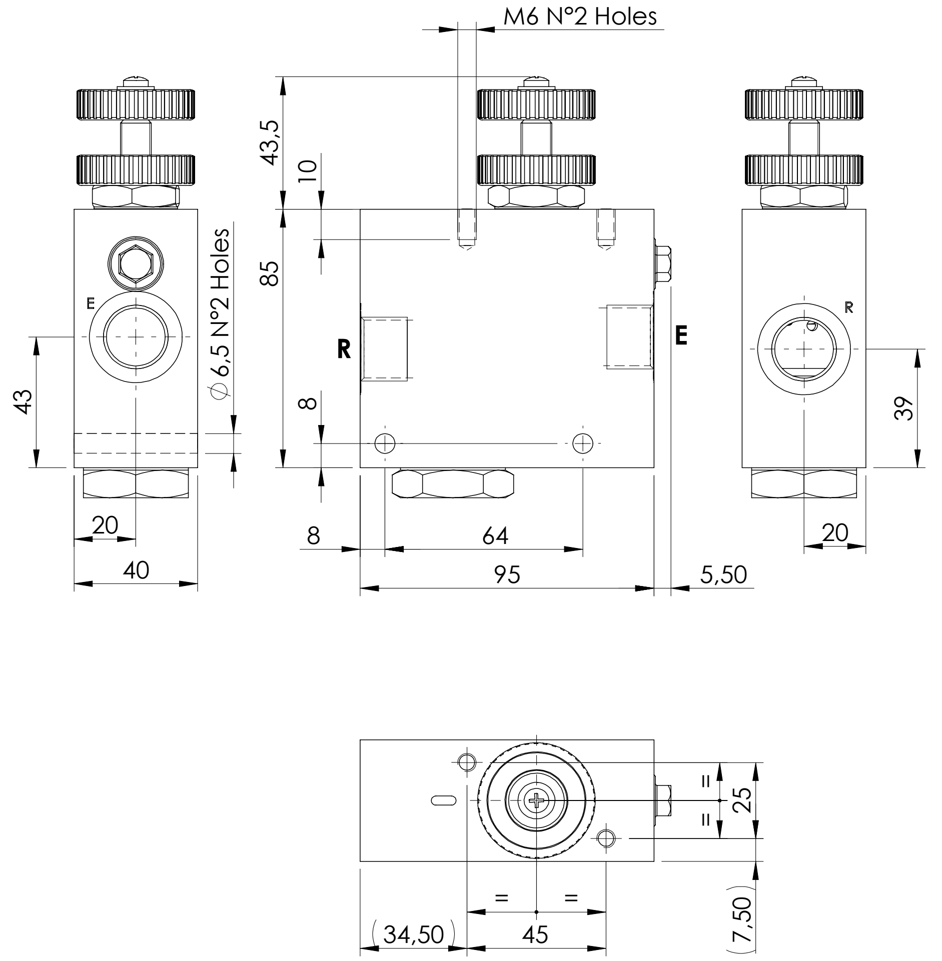
Quick code	Description	Main ports size	Manifold	Max. Pressure (Bar)	Max. inlet flow (l/min)	Adjustment options
MF000253	MFST-190-RVTR-19-G10-N210	E,R: **G 1"**	Aluminium	210	190	Handknob and locknut
MF000254	MFST-190-RHTR-19-G10-N210	E,R: **G 1"**	Aluminium	210	190	Screw and locknut
MF000255	MFST-190-RMTR-19-G10-N210	E,R: **G 1"**	Aluminium	210	190	Graduated handknob
MF000256	MFST-190-RVSR-19-G10-N350	E,R: **G 1"**	Steel	350	190	Handknob and locknut
MF000257	MFST-190-RHSR-19-G10-N350	E,R: **G 1"**	Steel	350	190	Screw and locknut
MF000258	MFST-190-RMSR-19-G10-N350	E,R: **G 1"**	Steel	350	190	Graduated handknob

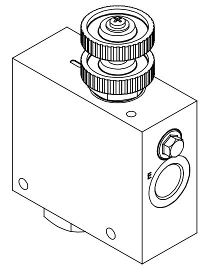
FLOW REGULATOR

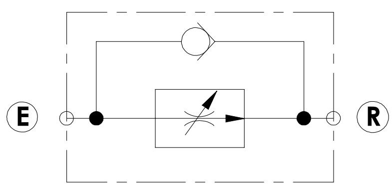
MFST-055-VVTR

2 WAYS COMPENSATED WITH CHECK VALVE

ATLANTIC Fluid Tech



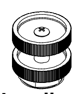




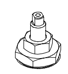
SPECIFICATIONS

Max. operating pressure:	**210 bar**
Rated flow:	**55 l/min**
Manifold:	**Aluminium**
Weight:	**1,06 kg**

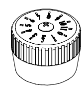
ADJUSTMENT OPTIONS



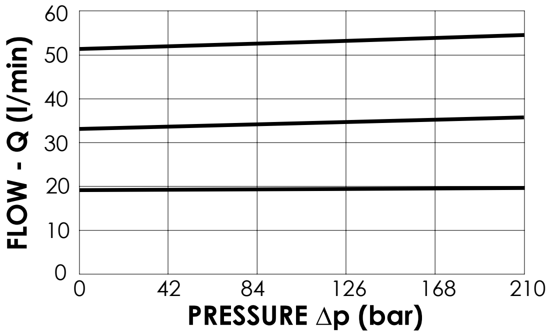
Handknob and locknut



Screw and locknut



Graduated handknob



NOTES

Regulating: FINE

ORDERING CODES

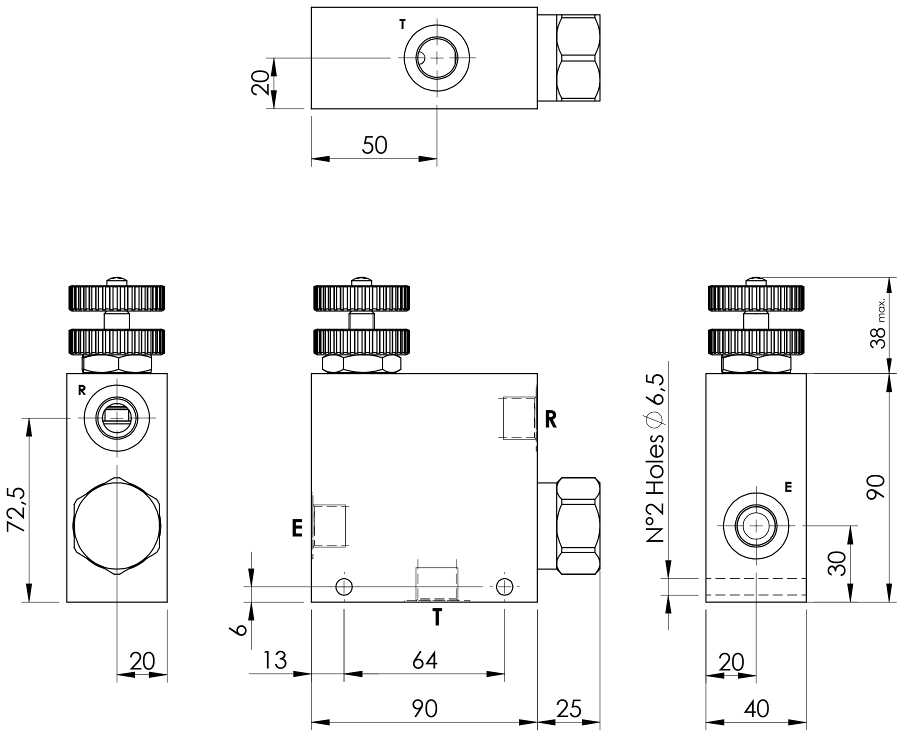
Quick code	Description	Main ports size	Max. inlet flow (l/min)	Adjustment options	
MF000131	MFST-055-VVTR-55-G12-N210	G 1/2"	55	Handknob and locknut	
MF000375	MFST-055-VHTR-55-G12-N210	G 1/2"	55	Screw and locknut	
MF000146	MFST-055-VMTR-55-G12-N210	G 1/2"	55	Graduated handknob	

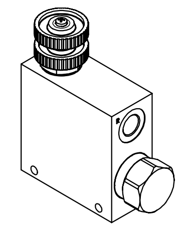
FLOW REGULATOR

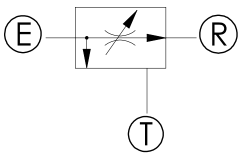
MFCT-055-RVTR

3 WAYS COMPENSATED

ATLANTIC Fluid Tech



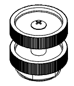


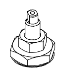


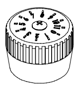
SPECIFICATIONS

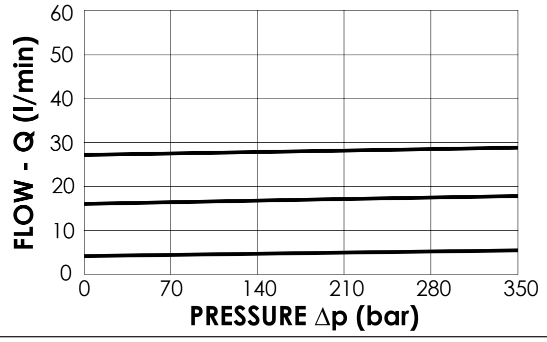
Max. operating pressure:	see table
Rated flow:	55 l/min
Manifold:	Aluminium/Steel
Weight:	1,12/2,48 kg

ADJUSTMENT OPTIONS


Handknob and locknut


Screw and locknut


Graduated handknob



NOTES

Regulation sensitivity: FINE

ORDERING CODES

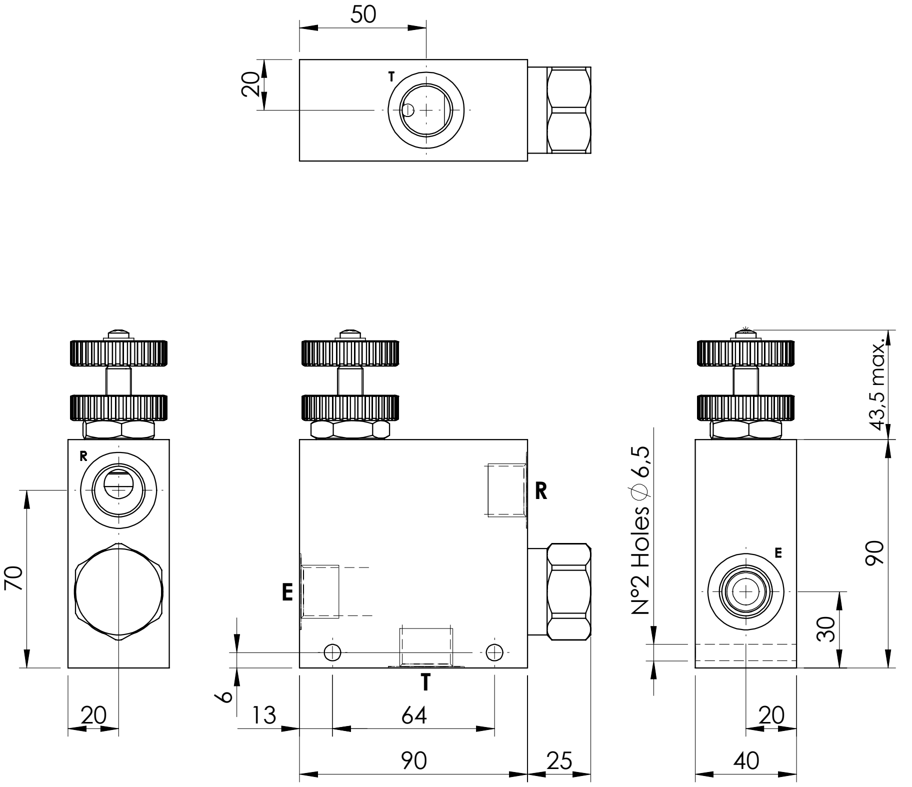
Quick code	Description	Main ports size	Manifold	Max. Pressure (Bar)	Max. reg.flow (l/min)	Max. inlet flow (l/min)	Adjustment options
MF000008	MFCT-055-RVTR-30-G38-N210	G 3/8"	Aluminium	210	30	55	Handknob and locknut
MF000009	MFCT-055-RHTR-30-G38-N210	G 3/8"	Aluminium	210	30	55	Screw and locknut
MF000010	MFCT-055-RMTR-30-G38-N210	G 3/8"	Aluminium	210	30	55	Graduated handknob
MF000089	MFCT-055-RVSR-30-G38-N350	G 3/8"	Steel	350	30	55	Handknob and locknut
MF000090	MFCT-055-RHSR-30-G38-N350	G 3/8"	Steel	350	30	55	Screw and locknut
MF000091	MFCT-055-RMSR-30-G38-N350	G 3/8"	Steel	350	30	55	Graduated handknob

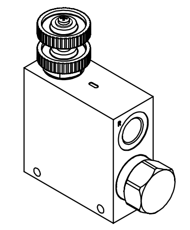
FLOW REGULATOR

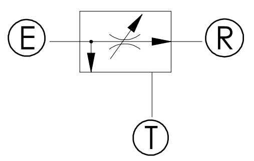
MFCT-090-RVTR

3 WAYS COMPENSATED

ATLANTIC Fluid Tech



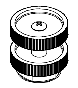


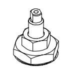


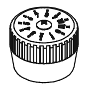
SPECIFICATIONS

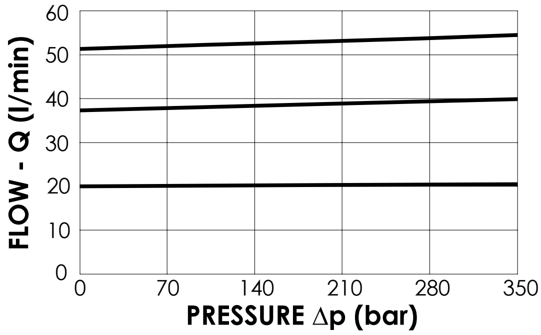
Max. operating pressure:	see table
Rated flow:	90 l/min
Manifold:	Aluminium/Steel
Weight:	1,11/2,45 kg

ADJUSTMENT OPTIONS


Handknob and locknut


Screw and locknut


Graduated handknob



NOTES

Regulation: FINE

ORDERING CODES

Quick code	Description	Main ports size	Manifold	Max. Pressure (Bar)	Max. reg.flow (l/min)	Max. inlet flow (l/min)	Adjustment options
MF000015	MFCT-090-RVTR-55-G12-N210	G 1/2"	Aluminium	210	55	90	Handknob and locknut
MF000016	MFCT-090-RHTR-55-G12-N210	G 1/2"	Aluminium	210	55	90	Screw and locknut
MF000014	MFCT-090-RMTR-55-G12-N210	G 1/2"	Aluminium	210	55	90	Graduated handknob
MF000095	MFCT-090-RVSR-55-G12-N350	G 1/2"	Steel	350	55	90	Handknob and locknut
MF000096	MFCT-090-RHSR-55-G12-N350	G 1/2"	Steel	350	55	90	Screw and locknut
MF000097	MFCT-090-RMSR-55-G12-N350	G 1/2"	Steel	350	55	90	Graduated handknob

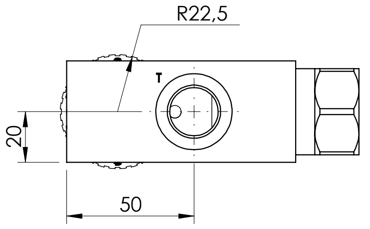
 Rev. 10/20

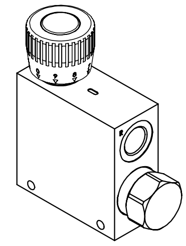
FLOW REGULATOR

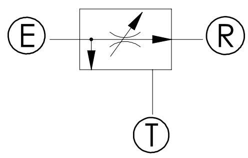
MFCT-090-RPZR

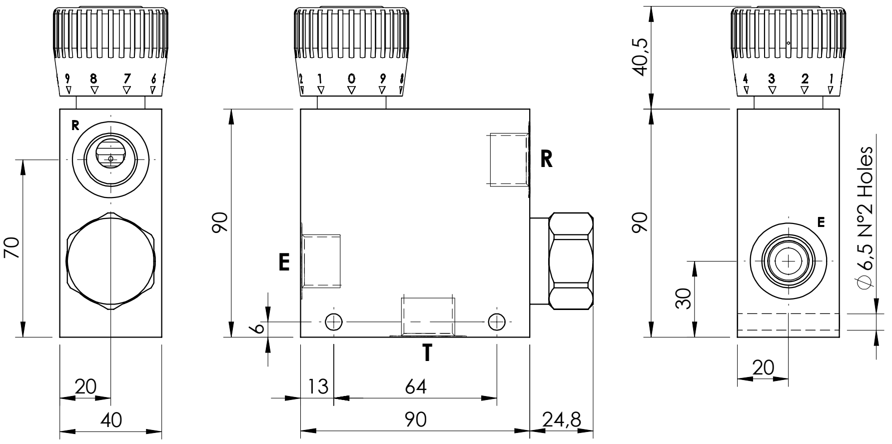
3 WAYS COMPENSATED

ATLANTIC Fluid Tech







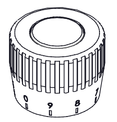


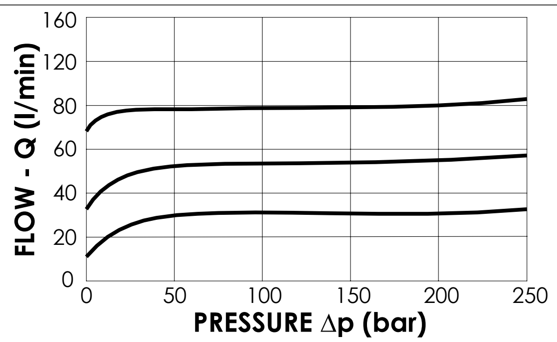
SPECIFICATIONS

Max. operating pressure:	210 bar
Rated flow:	90 l/min
Manifold:	Aluminium
Weight:	0,93 kg

ADJUSTMENT TYPE

Graduated handknob for flow regulation under pressure





ORDERING CODES

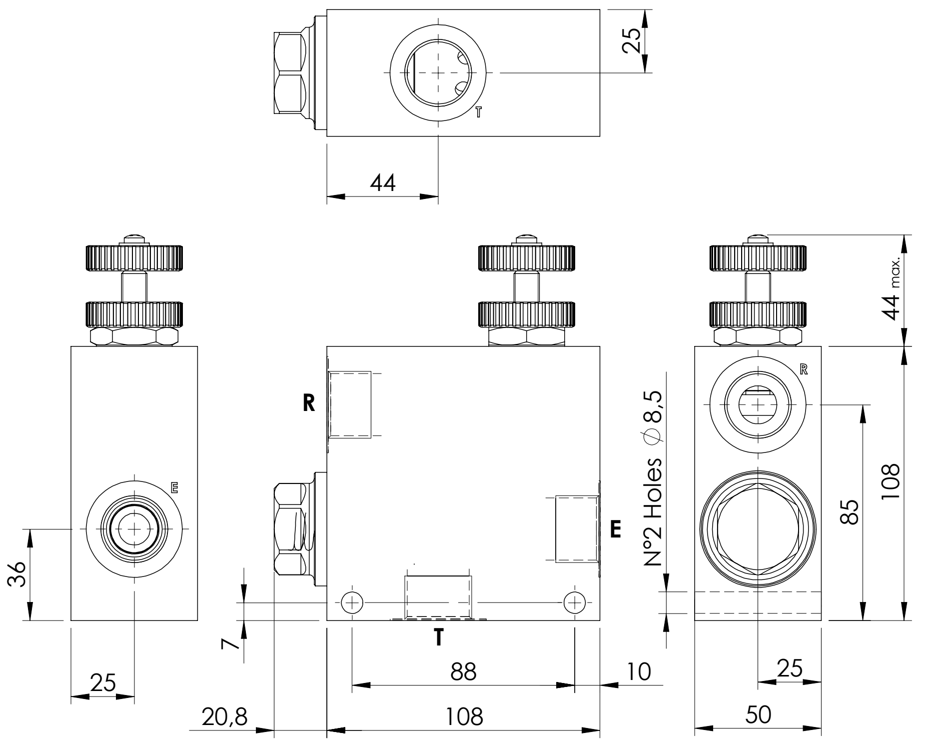
Quick code	Description	Main ports size	Regulated flow range (l/min)	Adjustment type
MF000194	MFCT-090-RPZR-06-G12-N210	G 1/2"	0 - 6	Graduated handknob
MF000195	MFCT-090-RPZR-12-G12-N210	G 1/2"	0 - 12	Graduated handknob
MF000196	MFCT-090-RPZR-25-G12-N210	G 1/2"	0 - 25	Graduated handknob
MF000197	MFCT-090-RPZR-32-G12-N210	G 1/2"	0 - 32	Graduated handknob
MF000198	MFCT-090-RPZR-50-G12-N210	G 1/2"	0 - 50	Graduated handknob
MF000199	MFCT-090-RPZR-63-G12-N210	G 1/2"	0 - 63	Graduated handknob
MF000200	MFCT-090-RPZR-70-G12-N210	G 1/2"	0 - 70	Graduated handknob
MF000201	MFCT-090-RPZR-80-G12-N210	G 1/2"	0 - 80	Graduated handknob

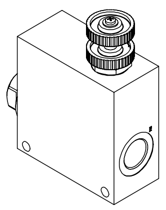
FLOW REGULATOR

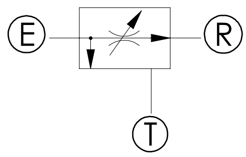
MFCT-150-RVTR

3 WAYS COMPENSATED

ATLANTIC Fluid Tech



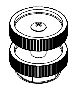


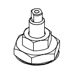


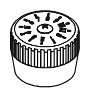
SPECIFICATIONS

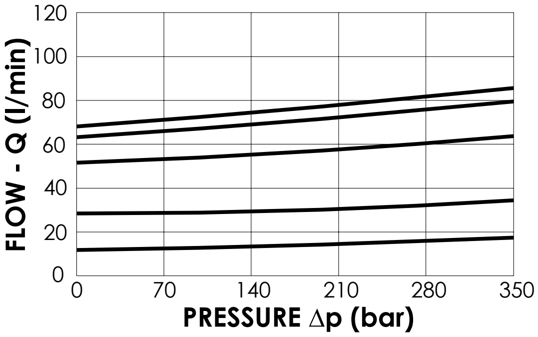
Max. operating pressure:	see table
Rated flow:	150 l/min
Manifold:	Aluminium/Steel
Weight:	1,79/4,23 kg

ADJUSTMENT OPTIONS


Handknob and locknut


Screw and locknut


Graduated handknob



NOTES

Regulation: STANDARD

ORDERING CODES

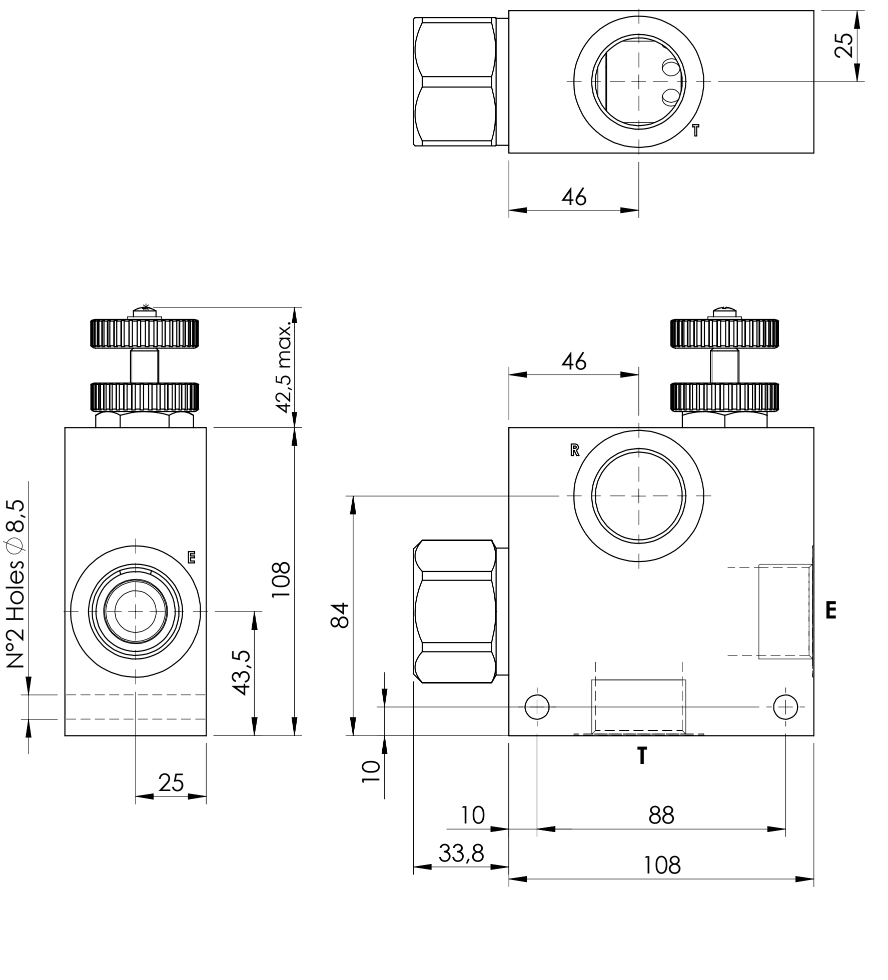
Quick code	Description	Main ports size	Manifold	Max. Pressure (Bar)	Max. reg.flow (l/min)	Max. inlet flow (l/min)	Adjustment options
MF000031	MFCT-150-RVTR-90-G34-N210	G 3/4"	Aluminium	210	90	150	Handknob and locknut
MF000032	MFCT-150-RHTR-90-G34-N210	G 3/4"	Aluminium	210	90	150	Screw and locknut
MF000033	MFCT-150-RMTR-90-G34-N210	G 3/4"	Aluminium	210	90	150	Graduated handknob
MF000023	MFCT-150-RVSR-90-G34-N350	G 3/4"	Steel	350	90	150	Handknob and locknut
MF000024	MFCT-150-RHSR-90-G34-N350	G 3/4"	Steel	350	90	150	Screw and locknut
MF000025	MFCT-150-RMSR-90-G34-N350	G 3/4"	Steel	350	90	150	Graduated handknob

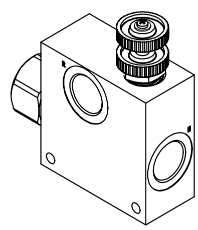
FLOW REGULATOR

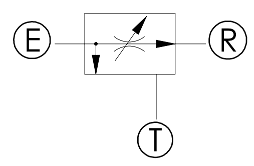
MFCT-280-RVTR

3 WAYS COMPENSATED

ATLANTIC Fluid Tech



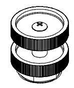




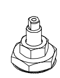
SPECIFICATIONS

Max. operating pressure:	see table
Rated flow:	280 l/min
Manifold:	Aluminium/Steel
Weight:	1,97/4,08 kg

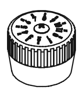
ADJUSTMENT OPTIONS



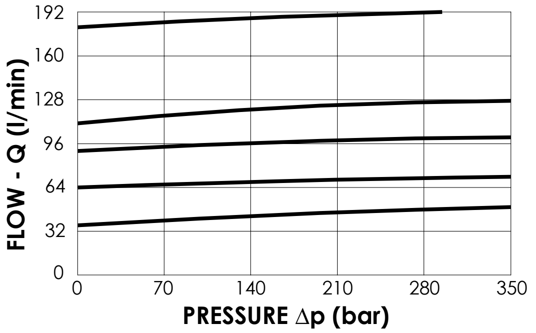
Handknob and locknut



Screw and locknut



Graduated handknob



NOTES

Regulating: STANDARD

ORDERING CODES

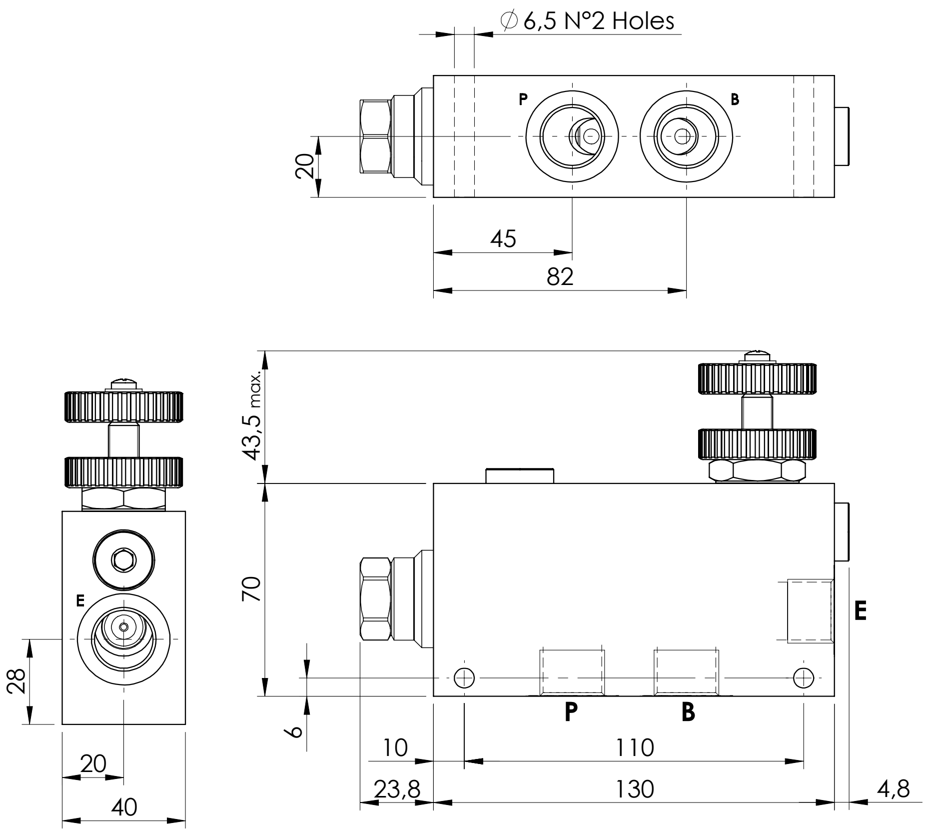
Quick code	Description	Main ports size	Manifold	Max. Pressure (Bar)	Max. reg.flow (l/min)	Max. inlet flow (l/min)	Adjustment options
MF000035	MFCT-280-RVTR-19-G10-N210	G 1"	Aluminium	210	190	280	Handknob and locknut
MF000036	MFCT-280-RHTR-19-G10-N210	G 1"	Aluminium	210	190	280	Screw and locknut
MF000037	MFCT-280-RMTR-19-G10-N210	G 1"	Aluminium	210	190	280	Graduated handknob
MF000026	MFCT-280-RVSR-19-G10-N350	G 1"	Steel	350	190	280	Handknob and locknut
MF000027	MFCT-280-RHSR-19-G10-N350	G 1"	Steel	350	190	280	Screw and locknut
MF000028	MFCT-280-RMSR-19-G10-N350	G 1"	Steel	350	190	280	Graduated handknob

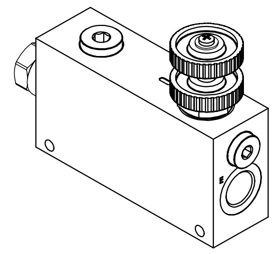
FLOW REGULATOR

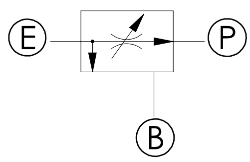
MFPT-090-RVTR

PRESSURE COMPENSATED PRIORITY FLOW REGULATOR

ATLANTIC Fluid Tech



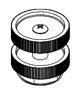




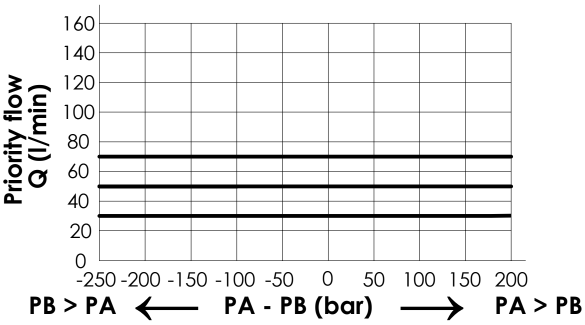
SPECIFICATIONS

Max. operating pressure:	210 bar
Rated flow:	90 l/min
Manifold:	Aluminium
Weight:	1,2 kg

ADJUSTMENT OPTIONS



Handknob and locknut



NOTES

ORDERING CODES

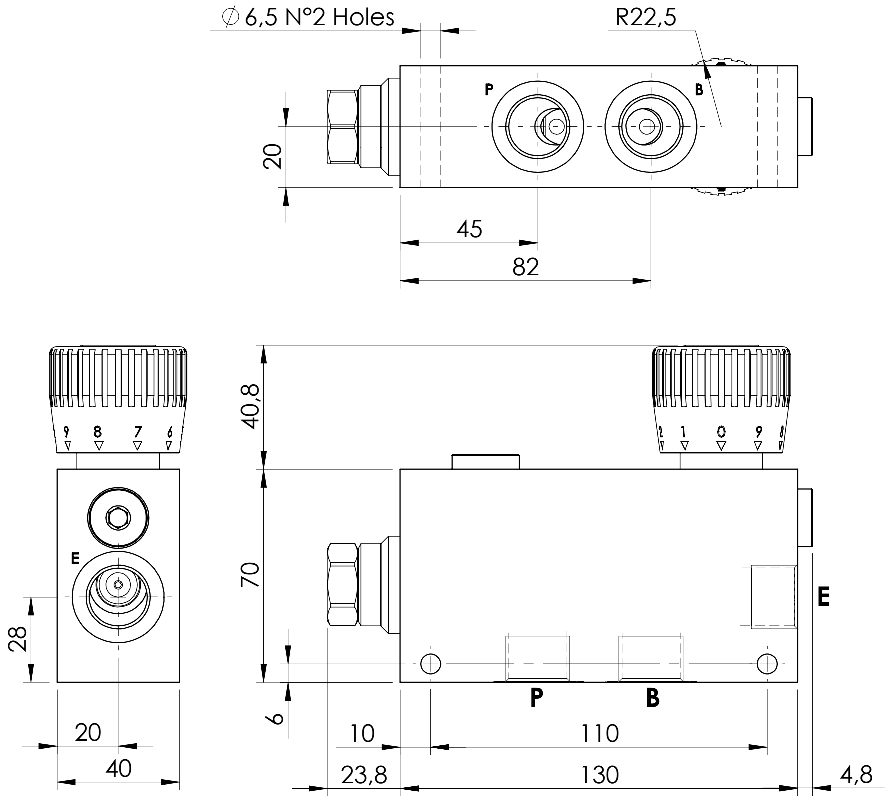
Quick code	Description	Main ports size	Max. inlet flow (l/min)	Max. regulated flow (l/min)	Adjustment options
MF000121	MFPT-090-RVTR-70-G12-N210	E,P,T: G1/2"	90 l/min	70 l/min	Handknob and locknut
MF000136	MFPT-090-RVTR-70-G38-N210	E,P,T: G3/8"	90 l/min	70 l/min	Handknob and locknut

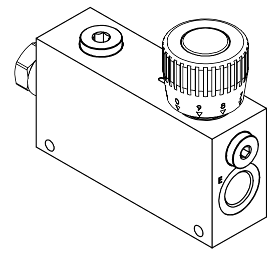
FLOW REGULATOR

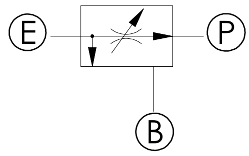
MFPT-090-RPZR

PRESSURE COMPENSATED PRIORITY FLOW REGULATOR

ATLANTIC Fluid Tech





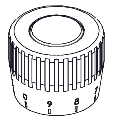


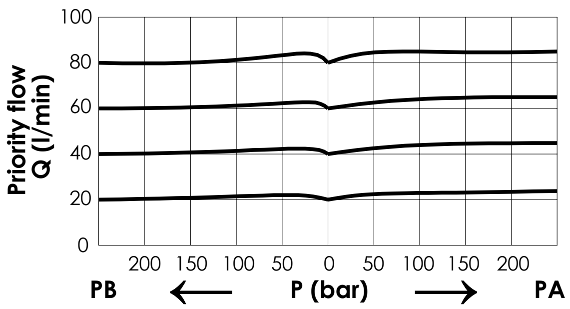
SPECIFICATIONS

Max. operating pressure:	210 bar
Rated flow:	90 l/min
Manifold:	Aluminium
Weight:	1,3 kg

ADJUSTMENT TYPE

Graduated handknob for flow regulation under pressure





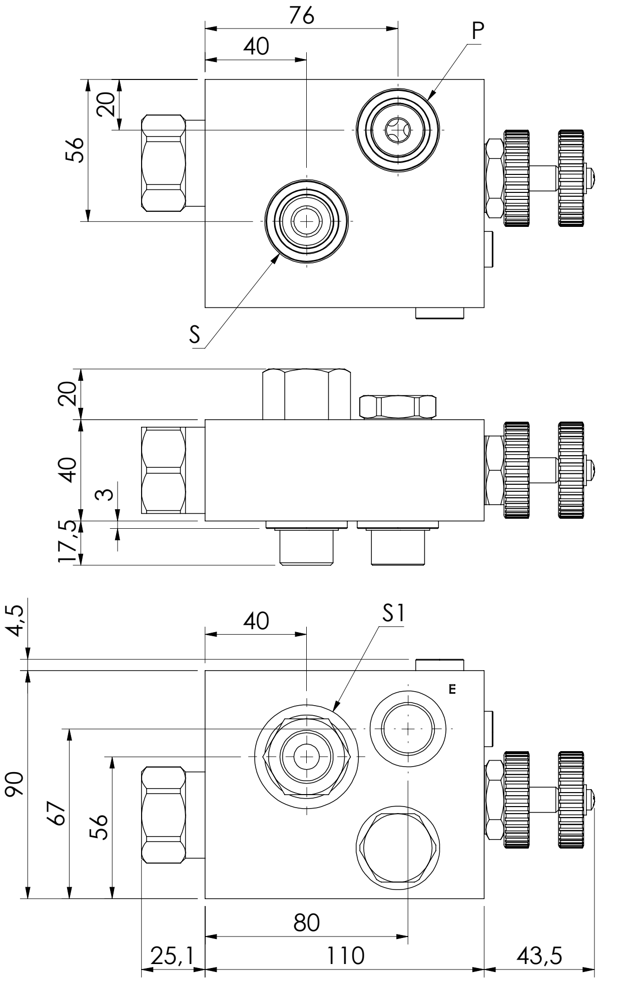
ORDERING CODES

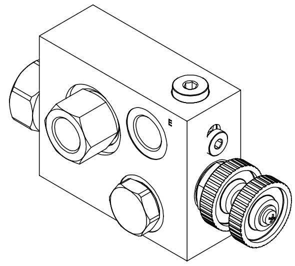
Quick code	Description	Main ports size	Regulated flow range (l/min)	Adjustment type
MF000211	MFPT-090-RPZR-12-G12-N210	G 1/2"	0 - 12	Graduated handknob
MF000212	MFPT-090-RPZR-25-G12-N210	G 1/2"	0 - 25	Graduated handknob
MF000213	MFPT-090-RPZR-32-G12-N210	G 1/2"	0 - 32	Graduated handknob
MF000214	MFPT-090-RPZR-50-G12-N210	G 1/2"	0 - 50	Graduated handknob
MF000215	MFPT-090-RPZR-63-G12-N210	G 1/2"	0 - 63	Graduated handknob
MF000216	MFPT-090-RPZR-70-G12-N210	G 1/2"	0 - 70	Graduated handknob
MF000217	MFPT-090-RPZR-80-G12-N210	G 1/2"	0 - 80	Graduated handknob

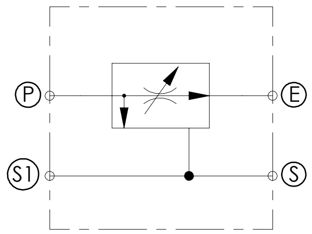
FLOW REGULATOR

MFCT-090-RVTN

3 WAYS COMPENSATED FLOW REGULATOR



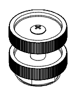




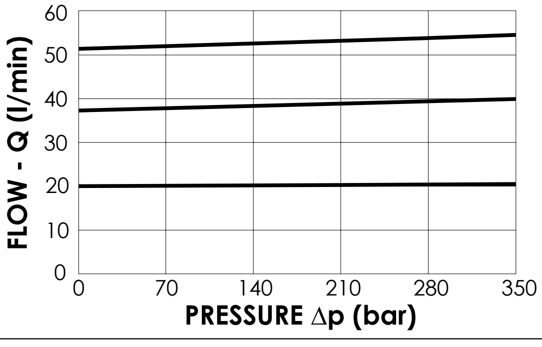
SPECIFICATIONS

Max. operating pressure:	210 bar
Rated flow:	90 l/min
Manifold:	Aluminium
Weight:	1,65 kg

ADJUSTMENT OPTIONS



Handknob and locknut



NOTES

Designed for DANFOSS motors OMP-OMR series.

ORDERING CODES

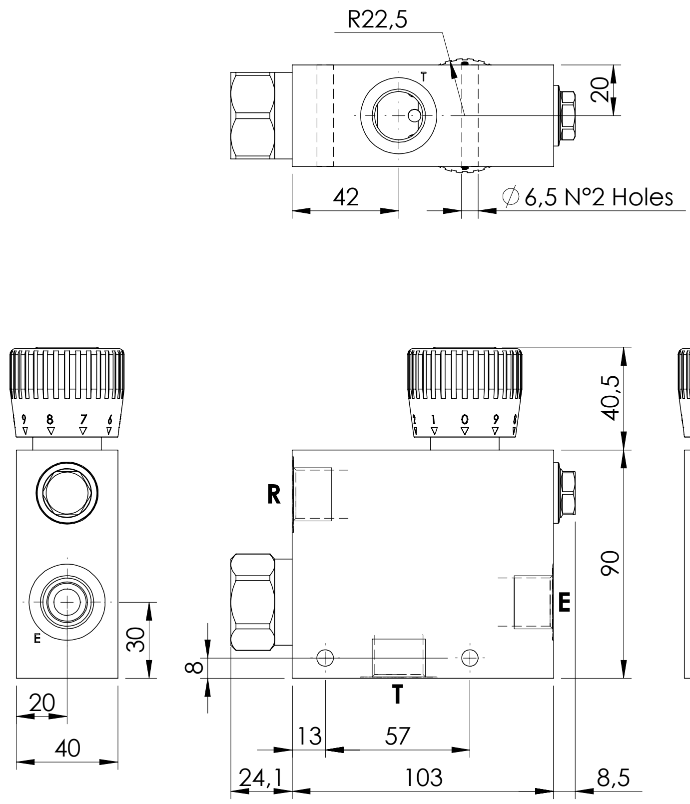
Quick code	Description	Main ports size	Max. Pressure (Bar)	Max. reg.flow (l/min)	Max. inlet flow (l/min)	Adjustment options
MF000373	MFCT-090-RVTN-55-G12-N210	G1/2"	210	55	90	Handknob and locknut

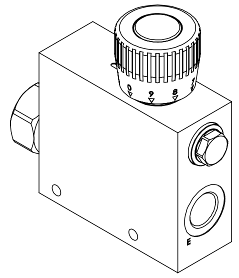
FLOW REGULATOR

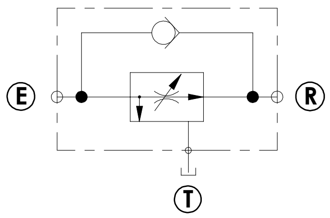
MFCT-090-VPZR

3 WAYS COMPENSATED WITH CHECK VALVE

ATLANTIC Fluid Tech





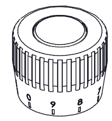


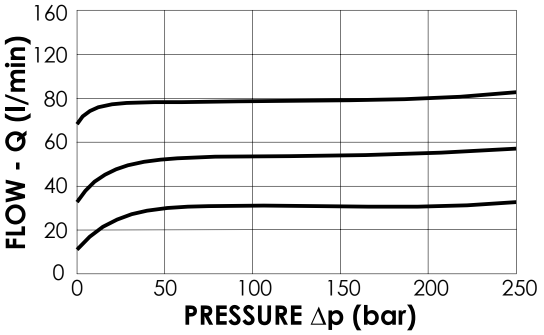
SPECIFICATIONS

Max. operating pressure:	**210 bar**
Rated flow:	**90 l/min**
Manifold:	**Aluminium**
Weight:	**1,4 kg**

ADJUSTMENT TYPE

Graduated handknob for flow regulation under pressure





ORDERING CODES

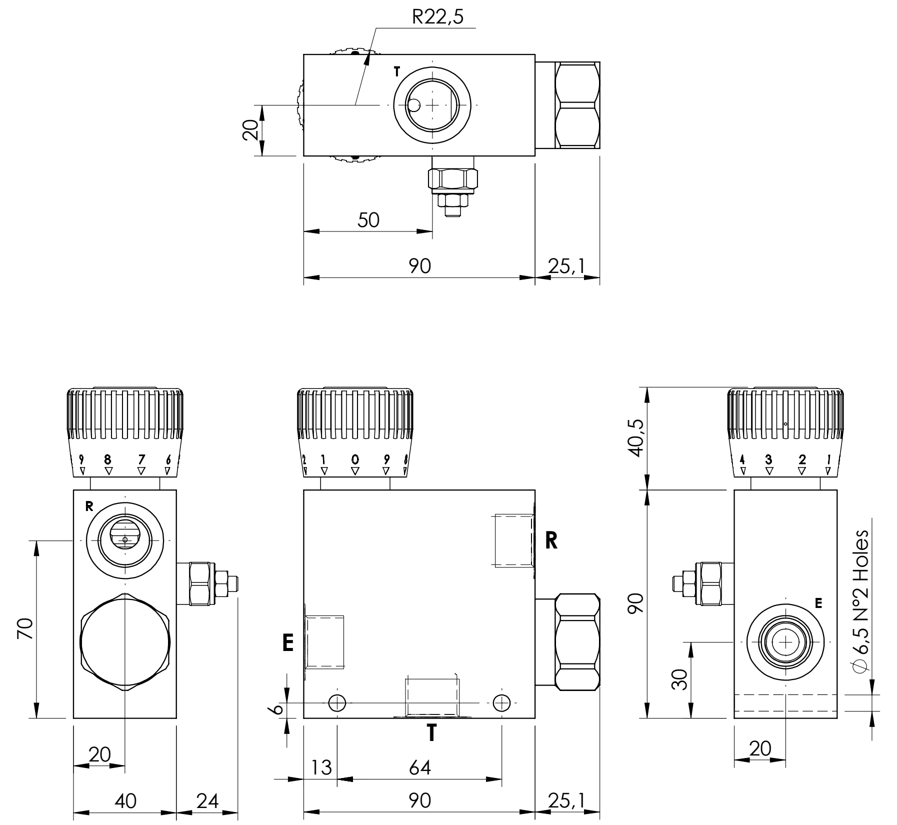
Quick code	Description	Main ports size	Regulated flow range (l/min)	Adjustment type
MF000202	MFCT-090-VPZR-06-G12-N210	G 1/2"	0 - 6	Graduated handknob
MF000203	MFCT-090-VPZR-12-G12-N210	G 1/2"	0 - 12	Graduated handknob
MF000204	MFCT-090-VPZR-25-G12-N210	G 1/2"	0 - 25	Graduated handknob
MF000205	MFCT-090-VPZR-32-G12-N210	G 1/2"	0 - 32	Graduated handknob
MF000206	MFCT-090-VPZR-50-G12-N210	G 1/2"	0 - 50	Graduated handknob
MF000207	MFCT-090-VPZR-63-G12-N210	G 1/2"	0 - 63	Graduated handknob
MF000208	MFCT-090-VPZR-70-G12-N210	G 1/2"	0 - 70	Graduated handknob
MF000209	MFCT-090-VPZR-80-G12-N210	G 1/2"	0 - 80	Graduated handknob

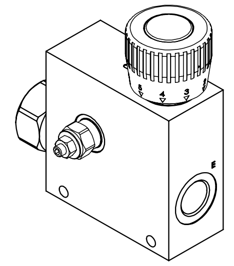
FLOW REGULATOR

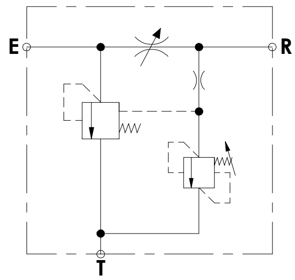
MFCT-090-LPZR

3 WAYS COMPENSATED WITH RELIEF VALVE

ATLANTIC Fluid Tech





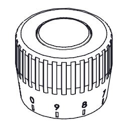


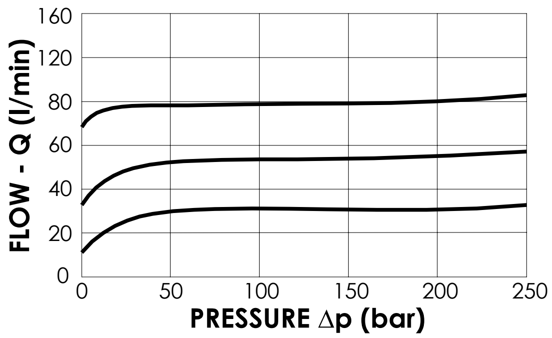
SPECIFICATIONS

Max. operating pressure:	210 bar
Rated flow:	90 l/min
Manifold:	Aluminium
Weight:	0,93 kg

ADJUSTMENT TYPE

Graduated handknob for flow regulation under pressure





RELIEF VALVE

Setting range: 35 - 210 bar

Standard setting: 210 bar

ORDERING CODES

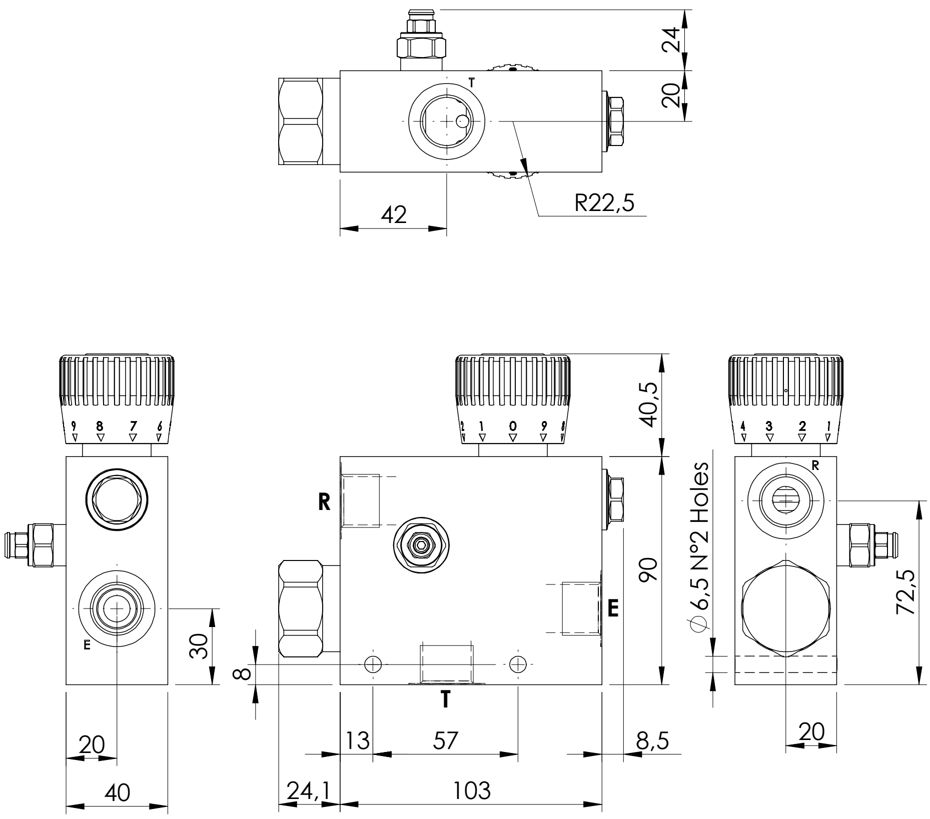
Quick code	Description	Main ports size	Regulated flow range (l/min)	Adjustment type
MF000218	MFCT-090-LPZR-06-G12-N210	G 1/2"	0 - 6	Graduated handknob
MF000219	MFCT-090-LPZR-12-G12-N210	G 1/2"	0 - 12	Graduated handknob
MF000220	MFCT-090-LPZR-25-G12-N210	G 1/2"	0 - 25	Graduated handknob
MF000221	MFCT-090-LPZR-32-G12-N210	G 1/2"	0 - 32	Graduated handknob
MF000222	MFCT-090-LPZR-50-G12-N210	G 1/2"	0 - 50	Graduated handknob
MF000223	MFCT-090-LPZR-63-G12-N210	G 1/2"	0 - 63	Graduated handknob
MF000224	MFCT-090-LPZR-70-G12-N210	G 1/2"	0 - 70	Graduated handknob
MF000225	MFCT-090-LPZR-80-G12-N210	G 1/2"	0 - 80	Graduated handknob

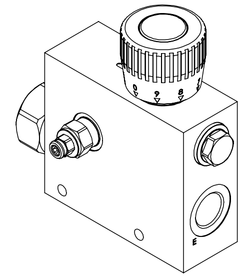
FLOW REGULATOR

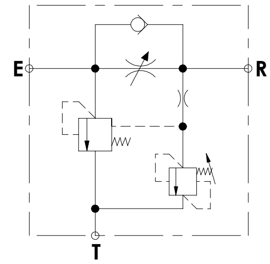
MFCT-090-TPZR

3 WAYS COMPENSATED BY PASS CHECK VALVE RELIEF VALVE

ATLANTIC Fluid Tech





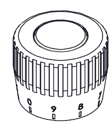


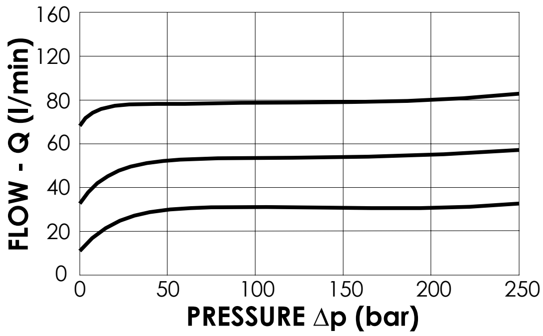
SPECIFICATIONS

Max. operating pressure:	210 bar
Rated flow:	90 l/min
Manifold:	Aluminium
Weight:	1,44 kg

ADJUSTMENT TYPE

Graduated handknob for flow regulation under pressure





NOTES

Setting range: 35 - 210 bar

Standard setting: 210 bar

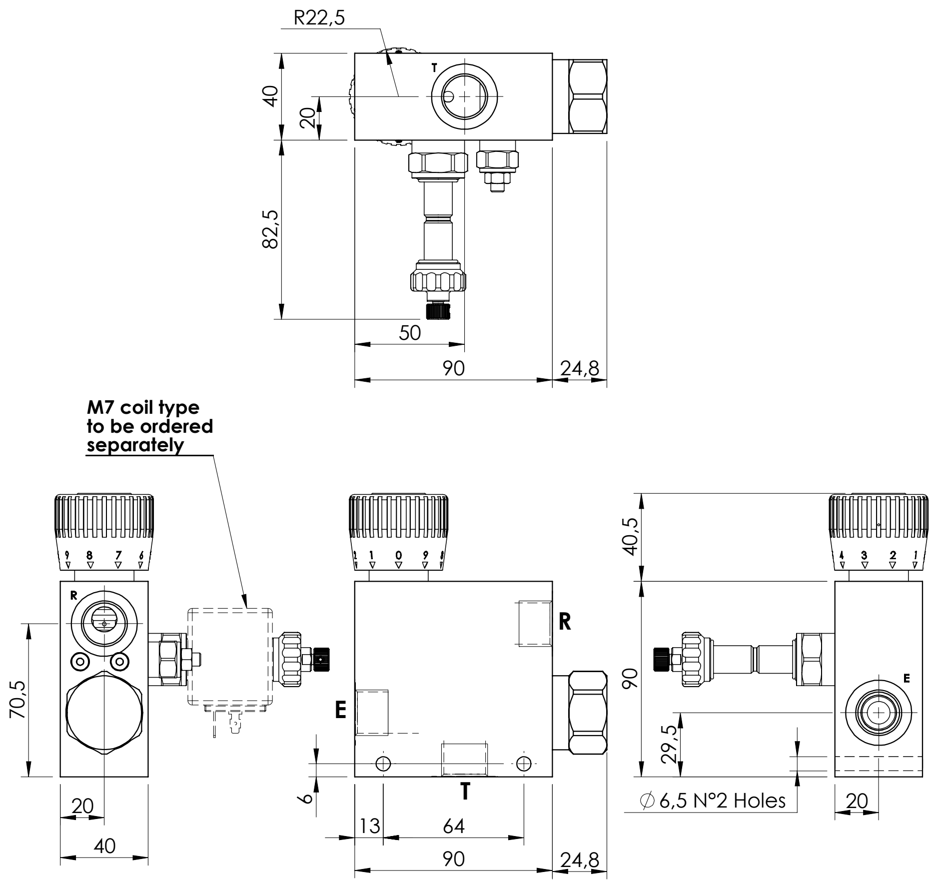
ORDERING CODES

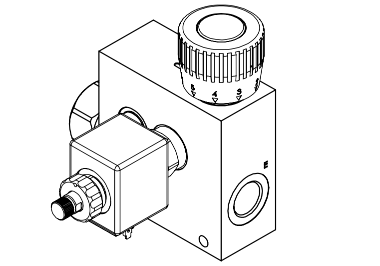
Quick code	Description	Main ports size	Regulated flow range (l/min)	Adjustment type
MF000226	MFCT-090-TPZR-06-G12-N210	G 1/2"	0 - 6	Graduated handknob
MF000227	MFCT-090-TPZR-12-G12-N210	G 1/2"	0 - 12	Graduated handknob
MF000228	MFCT-090-TPZR-25-G12-N210	G 1/2"	0 - 25	Graduated handknob
MF000229	MFCT-090-TPZR-32-G12-N210	G 1/2"	0 - 32	Graduated handknob
MF000230	MFCT-090-TPZR-50-G12-N210	G 1/2"	0 - 50	Graduated handknob
MF000231	MFCT-090-TPZR-63-G12-N210	G 1/2"	0 - 63	Graduated handknob
MF000232	MFCT-090-TPZR-70-G12-N210	G 1/2"	0 - 70	Graduated handknob
MF000233	MFCT-090-TPZR-80-G12-N210	G 1/2"	0 - 80	Graduated handknob

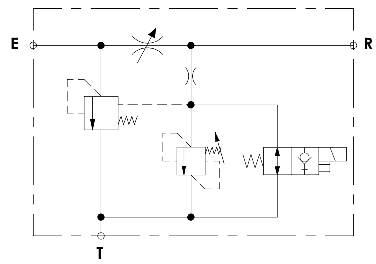
FLOW REGULATOR

MFCT-090-MPTR

3 WAYS COMPENSATED WITH RELIEF VALVE AND ELECTRIC UNLOADING





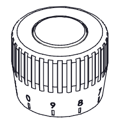


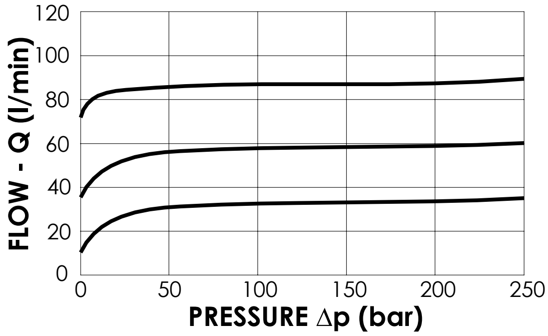
SPECIFICATIONS

Max. operating pressure:	210 bar
Rated flow:	90 l/min
Manifold:	Aluminium
Weight:	0,93 kg

ADJUSTMENT TYPE

Graduated handknob for flow regulation under pressure





RELIEF VALVE

Setting range: 35 - 210 bar

Standard setting: 210 bar

ORDERING CODES

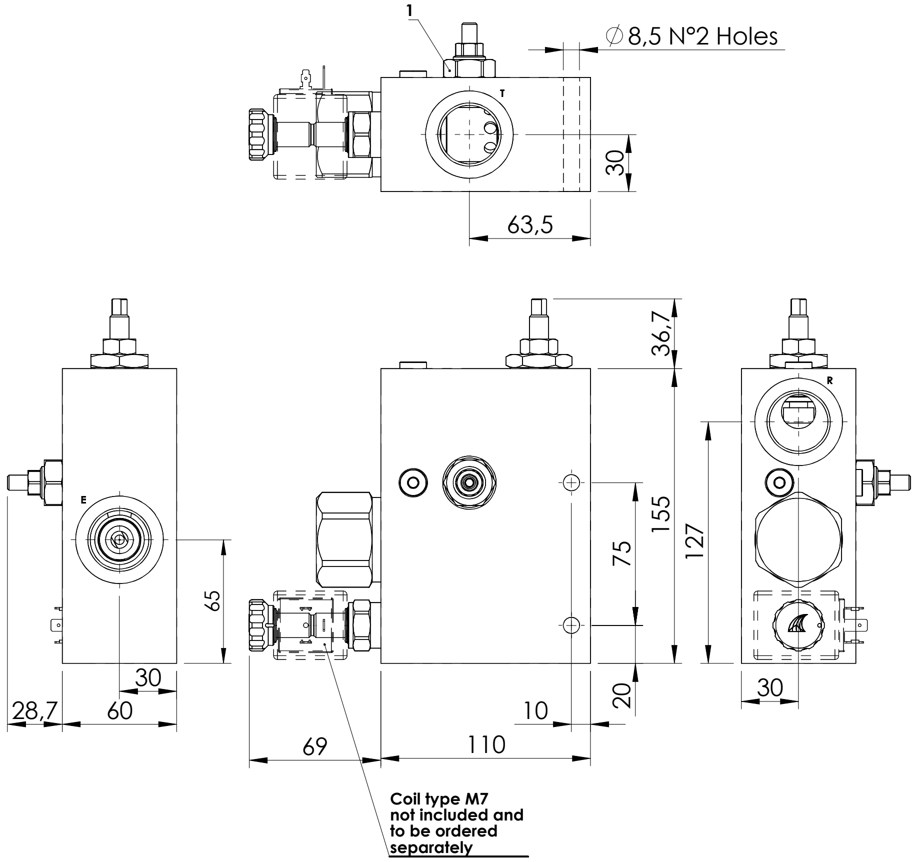
Quick code	Description	Main ports size	Regulated flow range (l/min)	Adjustment type
MF000298	MFCT-090-MPTR-06-G12-N210	G 1/2"	0 - 6	Graduated handknob
MF000299	MFCT-090-MPTR-12-G12-N210	G 1/2"	0 - 12	Graduated handknob
MF000300	MFCT-090-MPTR-25-G12-N210	G 1/2"	0 - 25	Graduated handknob
MF000301	MFCT-090-MPTR-32-G12-N210	G 1/2"	0 - 32	Graduated handknob
MF000302	MFCT-090-MPTR-50-G12-N210	G 1/2"	0 - 50	Graduated handknob
MF000303	MFCT-090-MPTR-63-G12-N210	G 1/2"	0 - 63	Graduated handknob
MF000304	MFCT-090-MPTR-70-G12-N210	G 1/2"	0 - 70	Graduated handknob
MF000305	MFCT-090-MPTR-80-G12-N210	G 1/2"	0 - 80	Graduated handknob

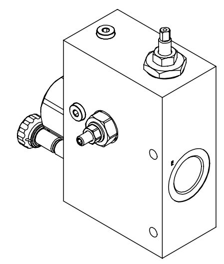
FLOW REGULATOR

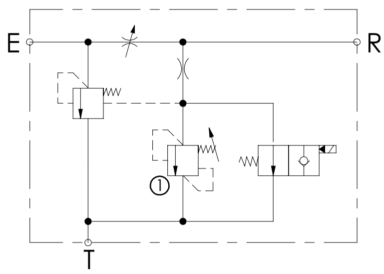
MFCT-280-MVTR

3 WAYS COMPENSATED WITH RELIEF VALVE AND ELECTRIC UNLOADING

ATLANTIC Fluid Tech



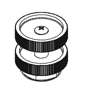
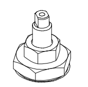
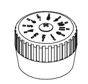




SPECIFICATIONS

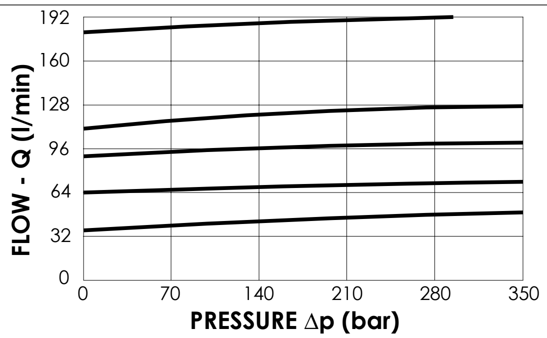
Max. operating pressure:	**250 bar**
Rated flow:	**280 l/min**
Regulated flow:	**190 l/min**
Manifold:	**Aluminium**
Weight:	**3,24 kg**
Coil:	**M7**

ADJUSTMENT OPTIONS

 **Handknob and locknut**	 **Screw and locknut**	 **Graduated handknob**

NOTES

-For options see pag. 22.00.000.



ORDERING CODES

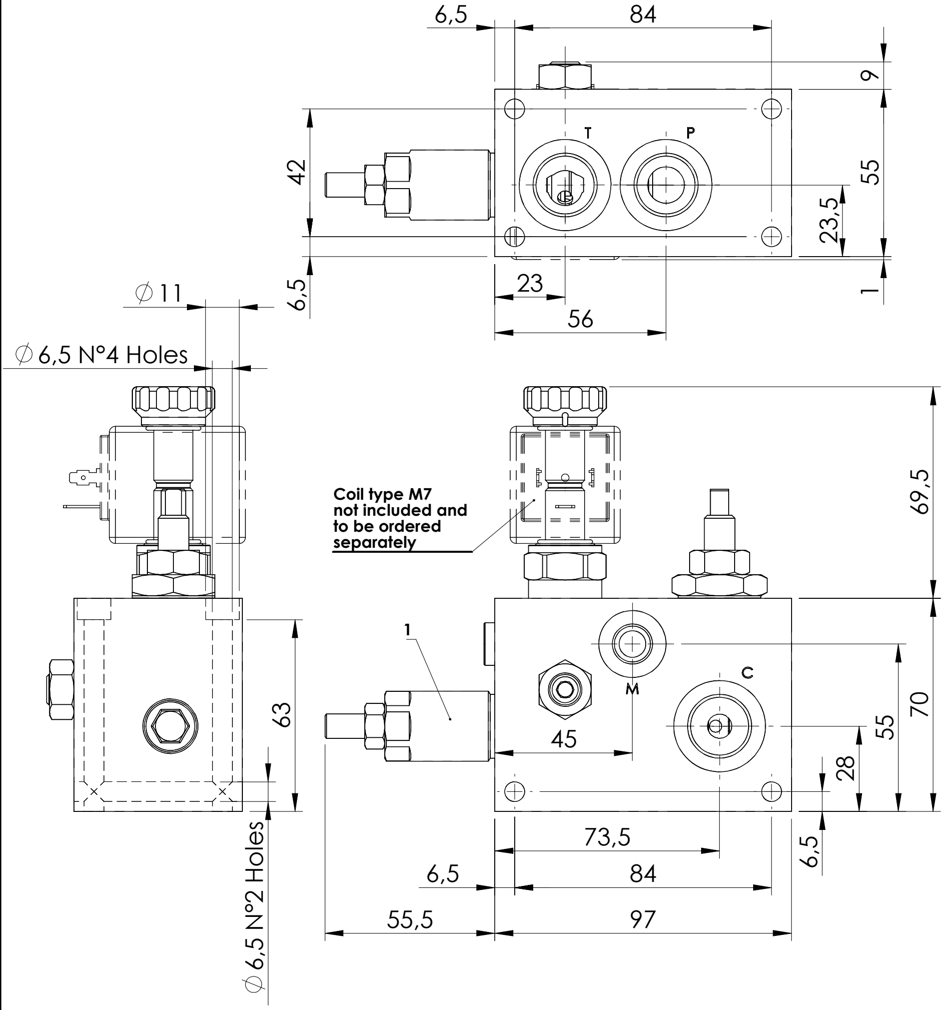
Quick code	Description	Main ports size	Standard setting (bar, Q=l/min)	Adjustment range (bar)	Pressure increase (bar)
MF000143	**MFCT-280-MVTR-19-G10-N250**	R,E,T: **G 1"**	**240**	**140-350**	**142**

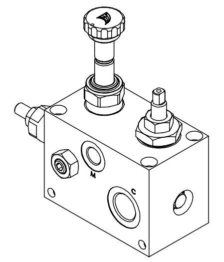
FLOW REGULATOR

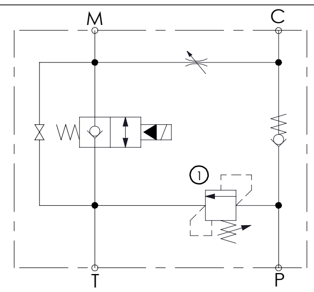
BPNN-025-LLEU

SOLENOID OPERATED VALVES
STANDARD INTEGRATED CIRCUITS

ATLANTIC Fluid Tech



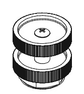
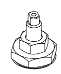
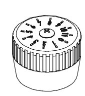




SPECIFICATIONS

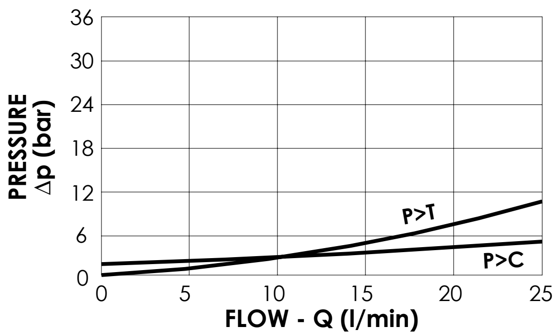
Max. operating pressure:	350 bar
Rated flow:	25 l/min
Manifold:	Aluminium
Weight:	1,3 kg
Coil:	M7

ADJUSTMENT OPTIONS

		
Handknob and locknut	Screw and locknut	Graduated handknob

NOTES

-For options see pag. 22.00.000.



ORDERING CODES

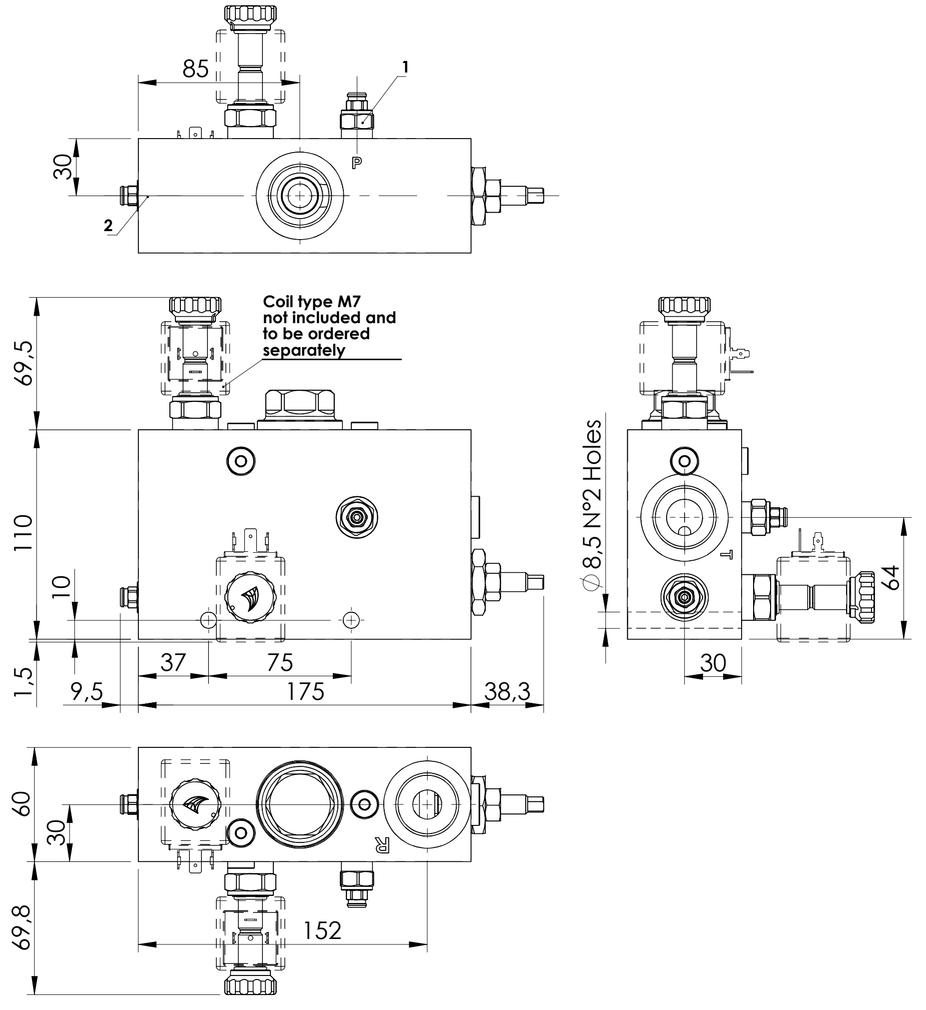
Quick code	Description	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar)	Adjust. options
BP000081	BPNN-025-LLEU-G12-N200	P,T,C:**G1/2"** M:**G1/4"**	200	50-210	42	Screw and locknut

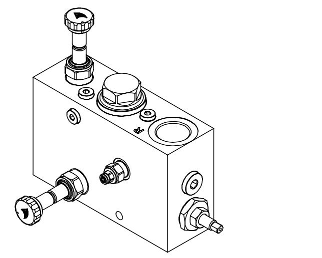
FLOW REGULATOR

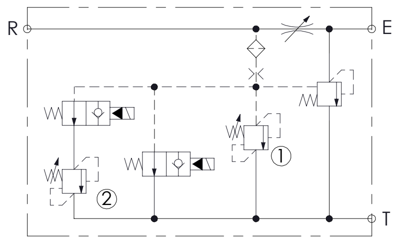
MFCT-150-LHTR

3 WAYS COMPENSATED WITH RELIEF VALVE

ATLANTIC Fluid Tech



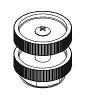
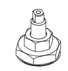
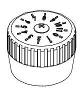




SPECIFICATIONS

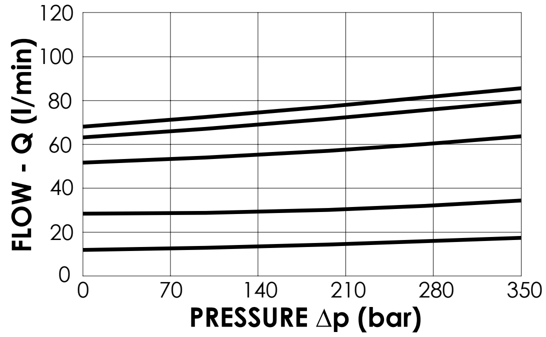
Max. operating pressure:	**210 bar**
Rated flow:	**150 l/min**
Regulated Flow:	**90 l/min**
Manifold:	**Aluminium**
Weight:	**3,48 kg**
Coil:	**M7**

ADJUSTMENT OPTIONS

 **Handknob and locknut**	 **Screw and locknut**	 **Graduated handknob**

NOTES

-For options see pag. 22.00.000.



ORDERING CODES

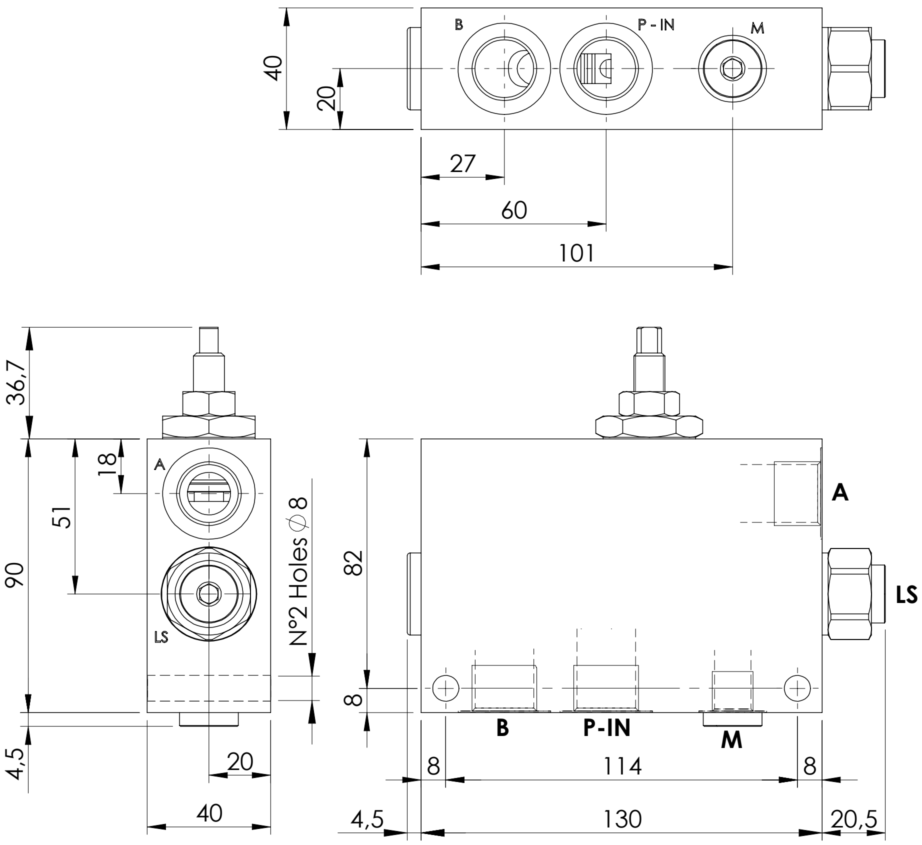
Quick code	Description	Main ports size	Standard setting (bar, Q=5 l/min)	Adjustment range (bar)	Pressure indrease (bar/turn)
MF000344	**MFCT-150-LHTR-90-G10-N210**	R,E,T: **G 1"**	1 **170** 2 **150**	1 **100-200** 2 **100-200**	1 **75** 2 **75**

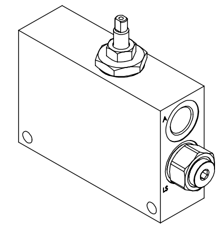
FLOW REGULATOR

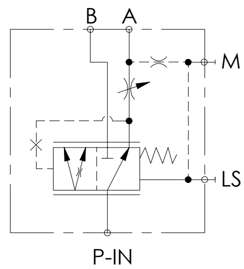
MFPT-100-RHAR

PRESSURE COMPENSATED PRIORITY FLOW REGULATOR

ATLANTIC Fluid Tech



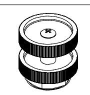




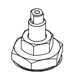
SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**100 l/min**
Manifold:	**Steel**
Weight:	**3,38 kg**

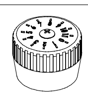
ADJUSTMENT OPTIONS



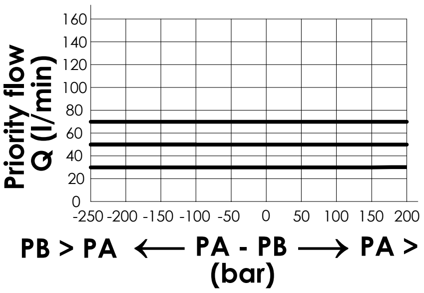
Handknob and locknut

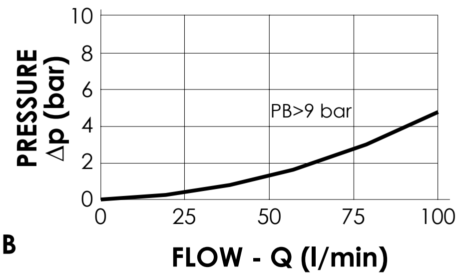


Screw and locknut



Graduated handknob





NOTES

- For correct operation 8-9 bar must be present in port A. For open centre or low pressure systems a 9 bar check valve should be fitted in port A, see page 61.

- Spool switching can be influenced by flexing or stressing the valve body. It is recommended to fit spacers on the mounting bolts between the valve and the mounting surface.

-For options see pag. 22.00.000.

ORDERING CODES

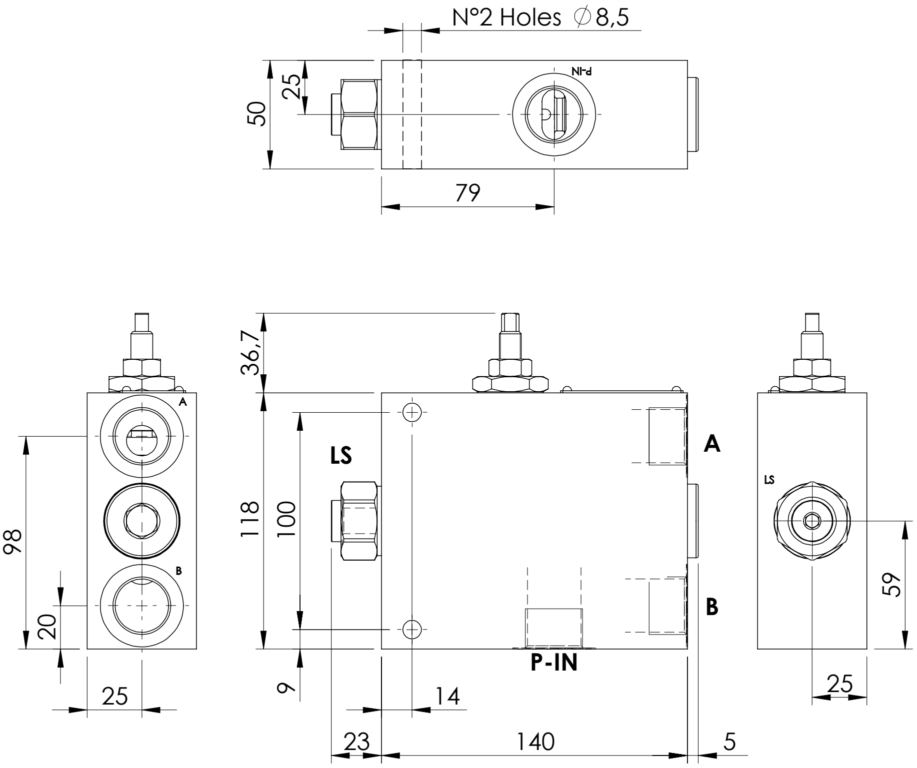
Quick code	Description	Main ports size	Max. inlet flow (l/min)	Max. regulated flow (l/min)	Adjustment options
MF000069	MFPT-100-RHAR-85-G12-N350	P-IN, A, B: **G1/2"** LS, M: **G1/4"**	100	85	Screw and locknut

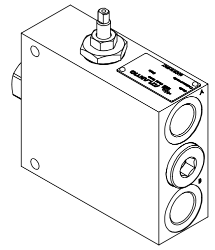
FLOW REGULATOR

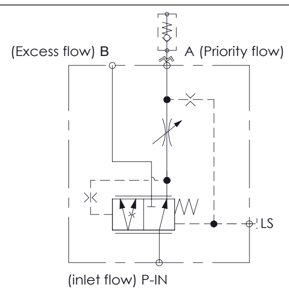
MFPT-200-RHAR

PRESSURE COMPENSATED PRIORITY

ATLANTIC Fluid Tech



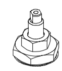




SPECIFICATIONS

Max. operating pressure:	350 bar
Rated flow:	200 l/min
Regulated Flow:	1-140 l/min
Manifold:	Zinc plated steel
Weight:	4,9 kg

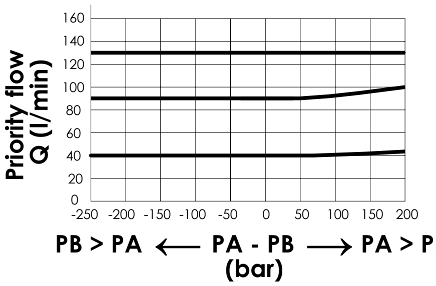
ADJUSTMENT OPTIONS

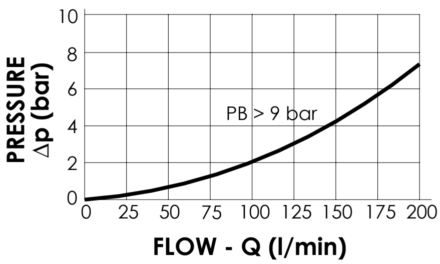


Screw and locknut

NOTES

-For options see pag. 22.00.000.





ORDERING CODES

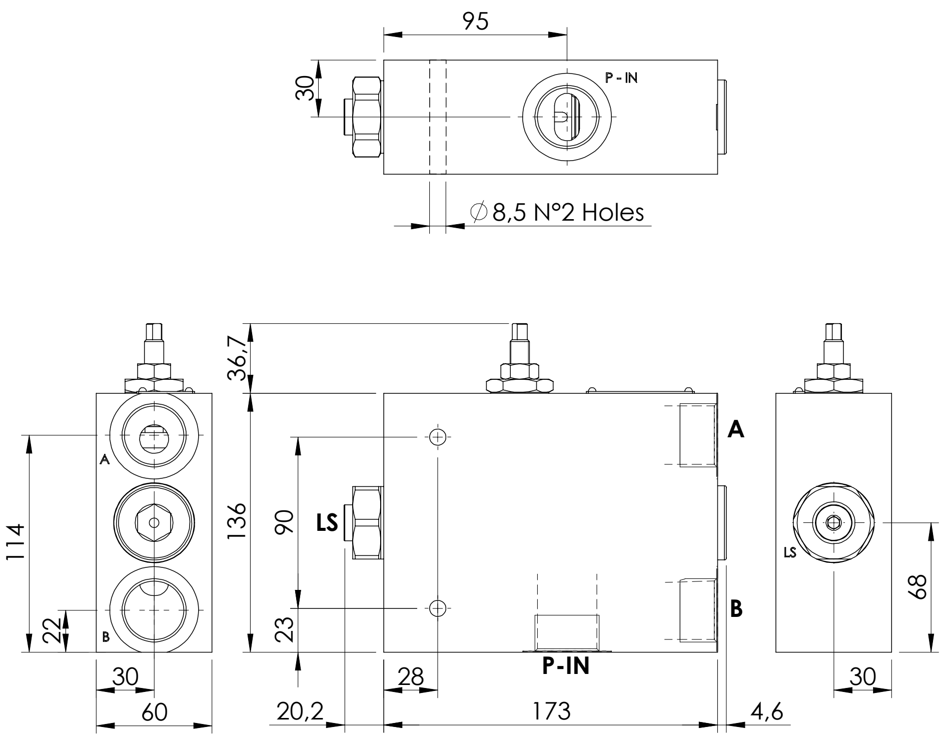
Quick code	Description	Main ports size	Adjustment options	
MF000141	MFPT-200-RHAR-14-G34-N350	P-IN,A,B: **G 3/4"** LS: **G 1/4"**	Screw and locknut	

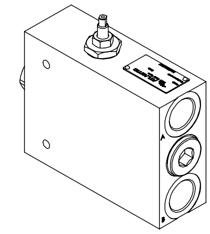
FLOW REGULATOR

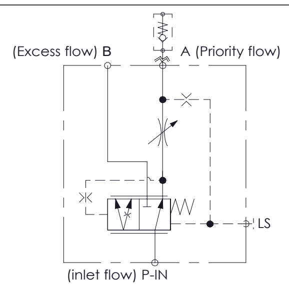
MFPT-300-RHAR

PRESSURE COMPENSATED PRIORITY

ATLANTIC Fluid Tech



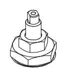




SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**300 l/min**
Regulated Flow:	**1-220 l/min**
Manifold:	**Zinc plated steel**
Weight:	**4,9 kg**

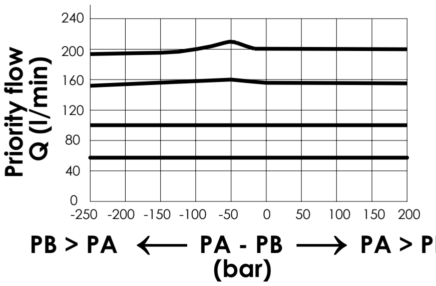
ADJUSTMENT OPTIONS

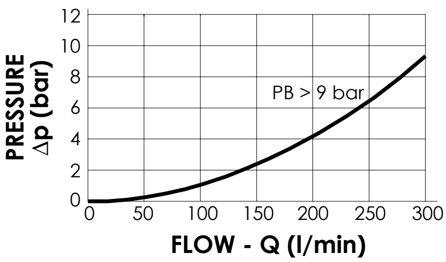


Screw and locknut

NOTES

-For options see pag. 22.00.000.





ORDERING CODES

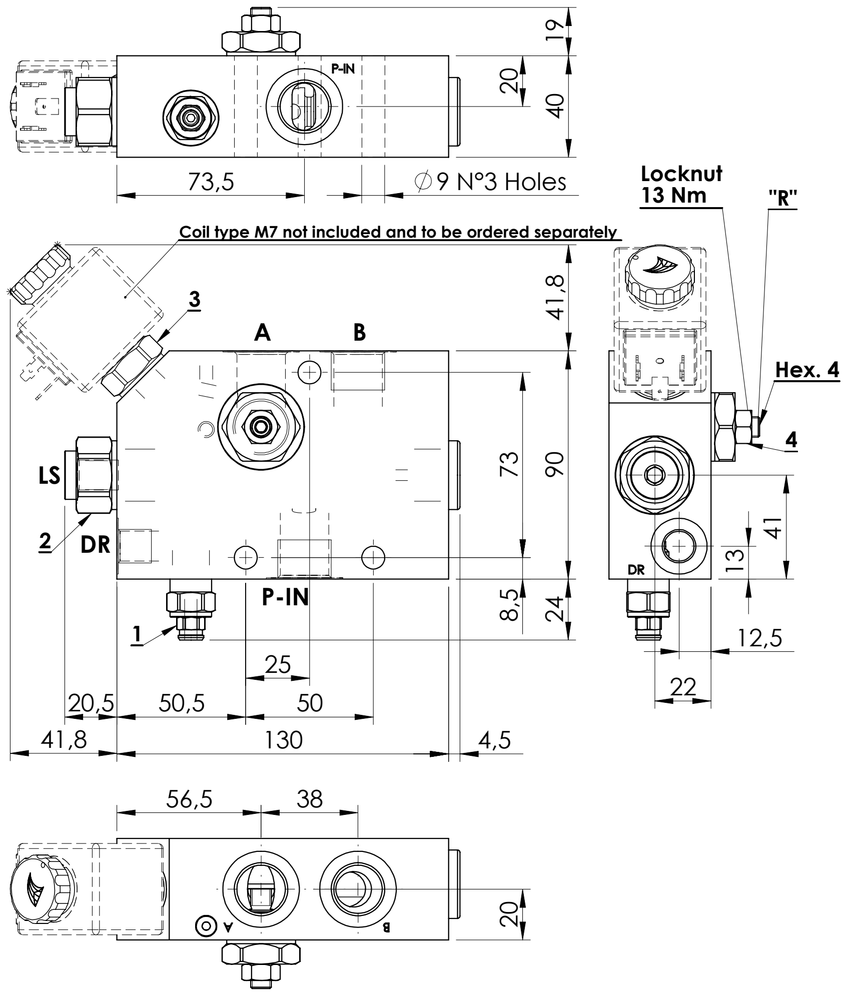
Quick code	Description	Main ports size	Adjustment options	
MF000283	**MFPT-300-RHAR-20-G10-N350**	P-IN,A,B**: G 1"** LS**: G 1/4"**	**Screw and locknut**	

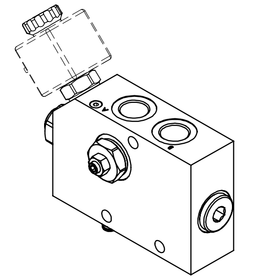
FLOW REGULATOR

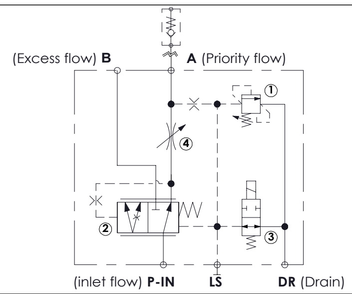
MFPT-100-MHAR

PRESSURE COMPENSATED PRIORITY FLOW REGULATOR FOR AUXILIARY CIRCUITS

ATLANTIC Fluid Tech

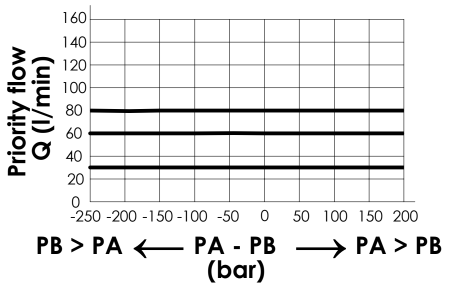


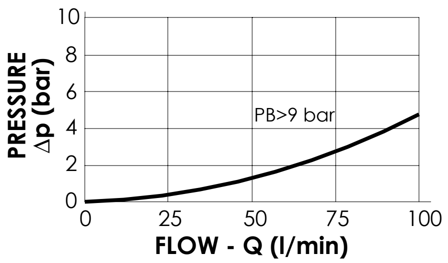




SPECIFICATIONS

Max. operating pressure:	350 bar
Rated flow:	100 l/min
Regulated Flow:	1,5 - 85 l/min
Manifold:	Zinc plated steel
Weight:	3,4 kg
Coil:	M7





NOTES

- Turn screw "R" anti-clockwise to increase regulated flow.
- Drain flow when de-energized 2 l/min.
- Max back pressure admitted on "DR" line 1,5 bar.
- For correct operation 8-9 bar must be present in port A. For open centre or low pressure systems a 9 bar check valve should be fitted in port A .
- Spool switching can be influenced by flexing or stressing the valve body. It is recommended to fit spacers on the mounting bolts between the valve and the mounting surface.

-See chapter four for suitable check valves.

ORDERING CODES

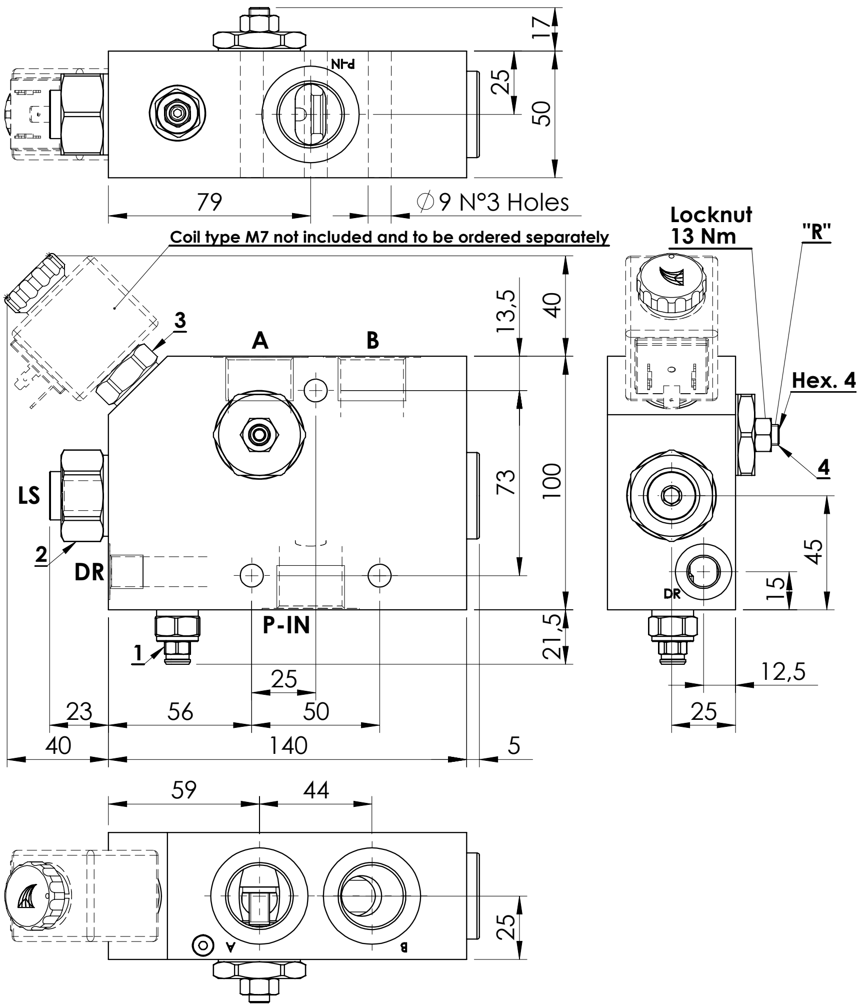
Quick code	Description	Main ports size	Setting range (bar)	Standard setting (bar)	Adjustment (bar/turn)
MF000053	MFPT-100-MHAR-85-G12-N210	P-IN, A,B: **G 1/2"** DR,LS: **G 1/4"**	100 - 200	200	75
MF000054	MFPT-100-MHAR-85-G12-N350	P-IN, A,B: **G 1/2"** DR,LS: **G 1/4"**	150 - 350	350	165

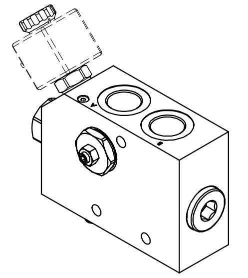
FLOW REGULATOR

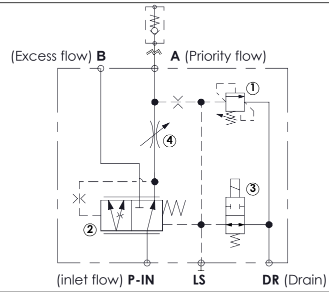
MFPT-200-MHAR

PRESSURE COMPENSATED PRIORITY FLOW REGULATOR FOR AUXILIARY CIRCUITS

ATLANTIC Fluid Tech







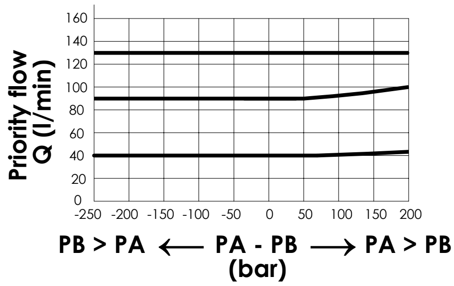
SPECIFICATIONS

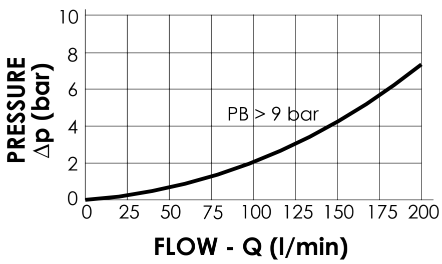
Max. operating pressure:	350 bar
Rated flow:	200 l/min
Regulated Flow:	1,5 - 140 l/min
Manifold:	Zinc plated steel
Weight:	4,9 kg
Coil:	M7

NOTES

- Turn screw "R" anti-clockwise to increase regulated flow.
- Drain flow when de-energized 2 l/min.
- Max back pressure admitted on "DR" line 1,5 bar.
- For correct operation 8-9 bar must be present in port A. For open centre or low pressure systems a 9 bar check valve should be fitted in port A .
- Spool switching can be influenced by flexing or stressing the valve body. It is recommended to fit spacers on the mounting bolts between the valve and the mounting surface.

-See chapter four for suitable chack valves.





ORDERING CODES

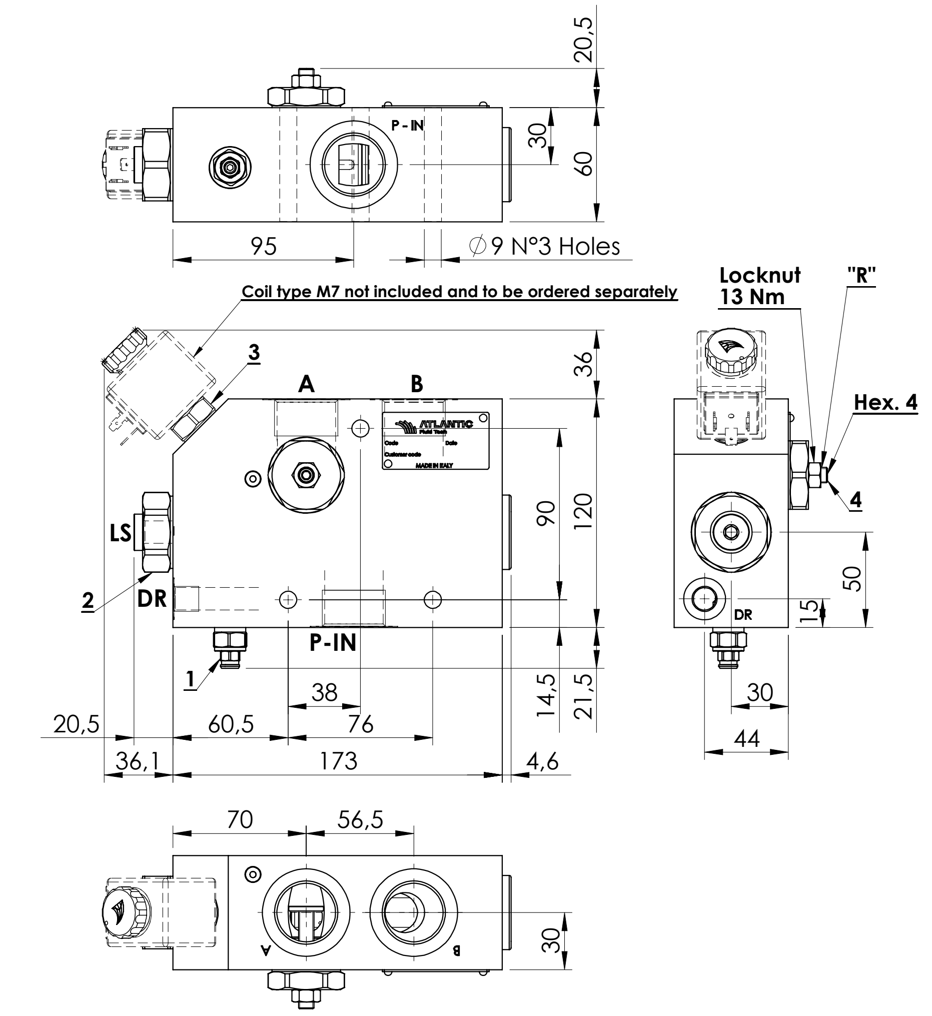
Quick code	Description	Main ports size	Setting range (bar)	Standard setting (bar)	Adjustment (bar/turn)
MF000055	MFPT-200-MHAR-14-G34-N210	P-IN, A,B: **G 3/4"** DR,LS: **G 1/4"**	100 - 200	200	75
MF000056	MFPT-200-MHAR-14-G34-N350	P-IN, A,B: **G 3/4"** DR,LS: **G 1/4"**	150 - 350	350	165

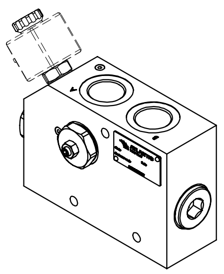
FLOW REGULATOR

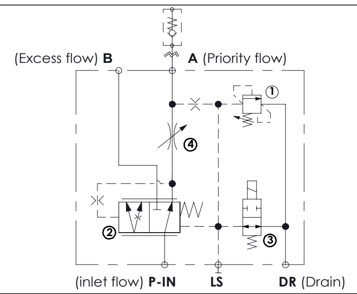
MFPT-300-MHAR

PRESSURE COMPENSATED PRIORITY FLOW REGULATOR FOR AUXILIARY CIRCUITS

ATLANTIC Fluid Tech





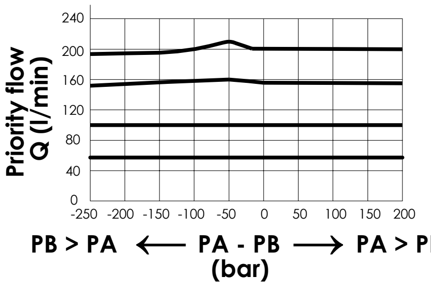


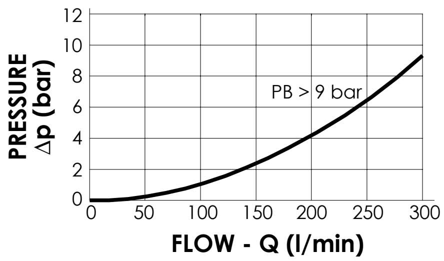
SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**300 l/min**
Regulated Flow:	**1,5 - 220 l/min**
Manifold:	**Zinc plated steel**
Weight:	**8,6 kg**
Coil:	**M7**

NOTES

- Turn screw "R" anti-clockwise to increase regulated flow.
- Drain flow when de-energized 2 l/min.
- Max back pressure admitted on "DR" line 1,5 bar.
- For correct operation 8-9 bar must be present in port A. For open centre or low pressure systems a 9 bar check valve should be fitted in port A .
- Spool switching can be influenced by flexing or stressing the valve body. It is recommended to fit spacers on the mounting bolts between the valve and the mounting surface.
-See chapter four for suitable check valves.





ORDERING CODES

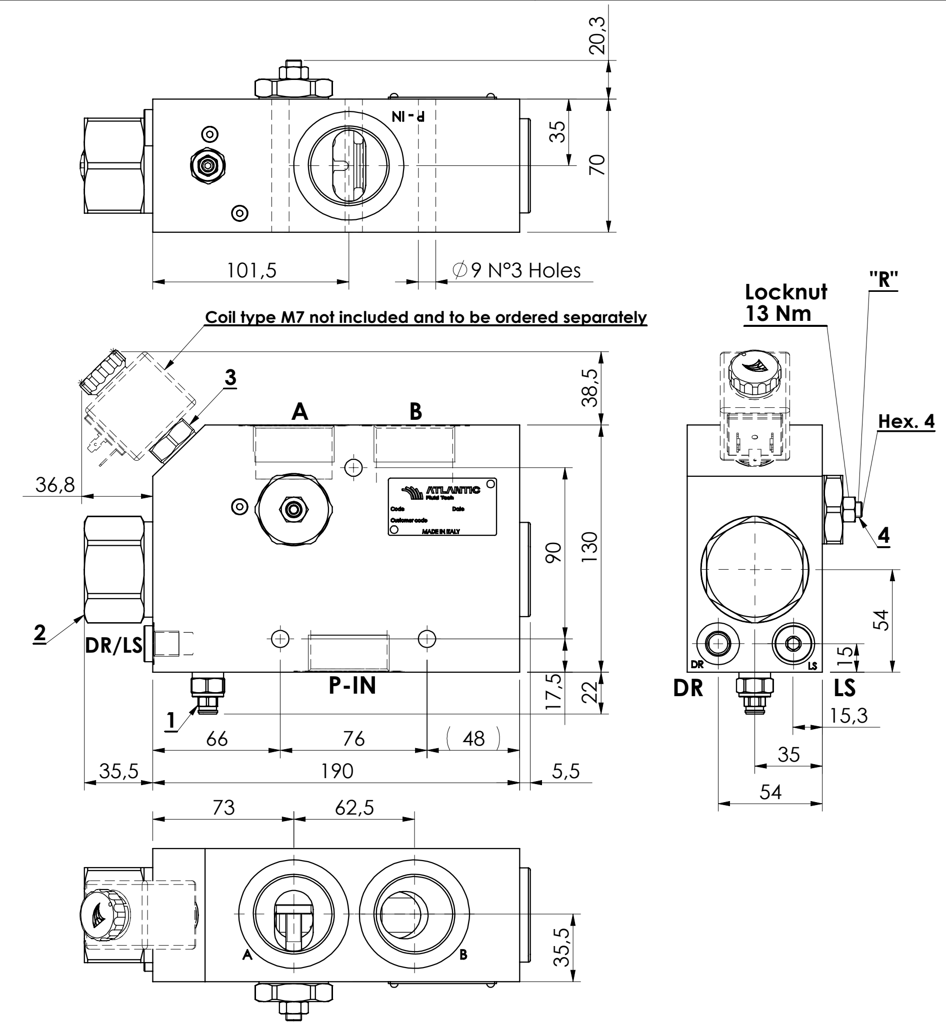
Quick code	Description	Main ports size	Setting range (bar)	Standard setting (bar)	Adjustment (bar/turn)
MF000057	**MFPT-300-MHAR-22-G10-N210**	P-IN, A,B: **G 1"** DR,LS: **G 1/4"**	**100 - 200**	**200**	**75**
MF000058	**MFPT-300-MHAR-22-G10-N350**	P-IN, A,B: **G 1"** DR,LS: **G 1/4"**	**150 - 350**	**350**	**165**

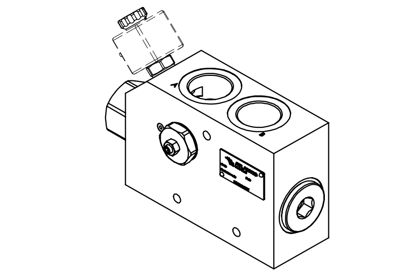
FLOW REGULATOR

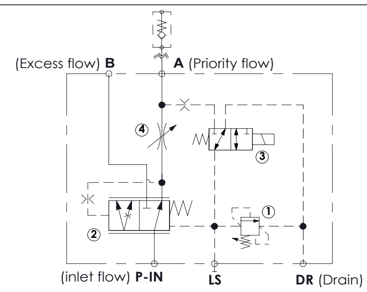
MFPT-400-MHAR

PRESSURE COMPENSATED PRIORITY FLOW REGULATOR FOR AUXILIARY CIRCUITS

ATLANTIC Fluid Tech







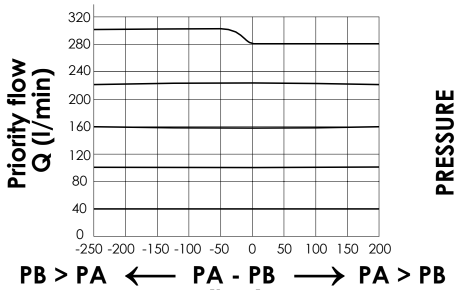
SPECIFICATIONS

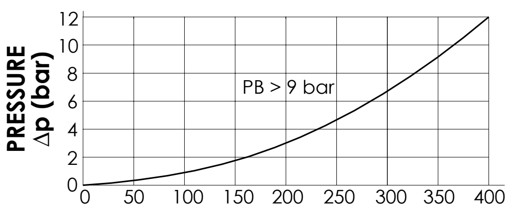
Max. operating pressure:	350 bar
Rated flow:	400 l/min
Regulated Flow:	1,5 - 300 l/min
Manifold:	Zinc plated steel
Weight:	11,4 kg
Coil:	M7

NOTES

- Turn screw "R" anti-clockwise to increase regulated flow.
- Drain flow when de-energized 2,5 l/min.
- Max back pressure admitted on "DR" line 1,5 bar.
- For correct operation 8-9 bar must be present in port A. For open centre or low pressure systems a 9 bar check valve should be fitted in port A .
- Spool switching can be influenced by flexing or stressing the valve body. It is recommended to fit spacers on the mounting bolts between the valve and the mounting surface.

-See chapter four for suitable check valves.





ORDERING CODES

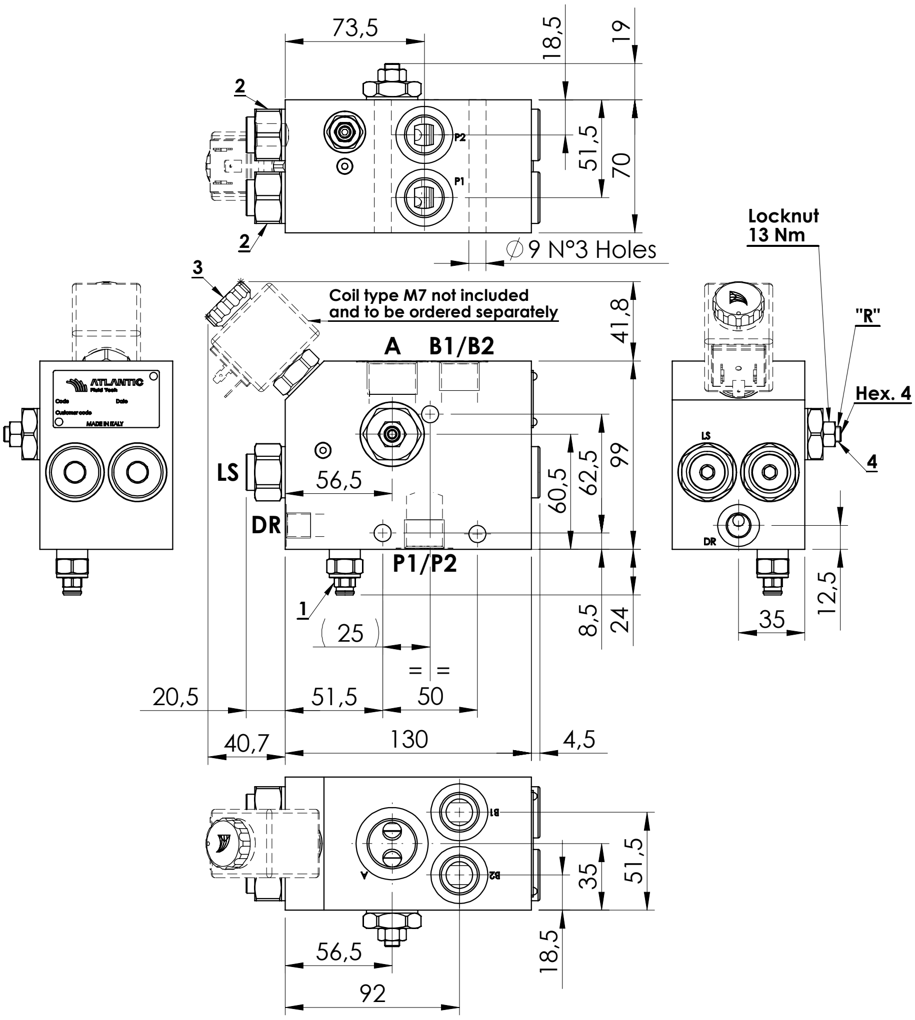
Quick code	Description	Main ports size	Setting range (bar)	Standard setting (bar)	Adjustment (bar/turn)
MF000071	MFPT-400-MHAR-30-G11-N210	P-IN, A,B: **G 1"-1/4** DR,LS: **G 1/4"**	100 - 200	200	75
MF000073	MFPT-400-MHAR-30-G11-N350	P-IN, A,B: **G 1"-1/4** DR,LS: **G 1/4"**	150 - 350	350	165

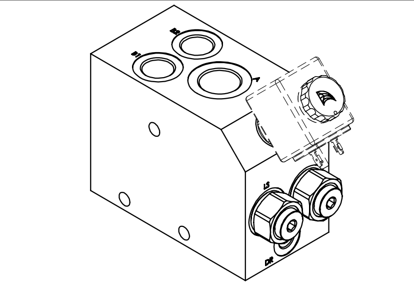
FLOW REGULATOR

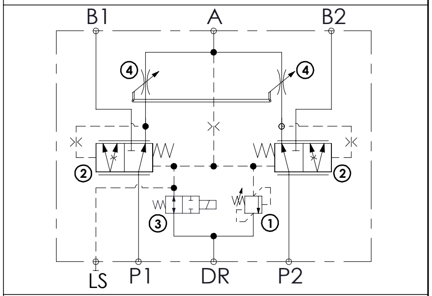
MFTT-100-MHAR

PRESSURE COMPENSATED PRIORITY TWO PUMPS SYSTEM FLOW REGULATOR FOR AUXILIARY CIRCUITS

ATLANTIC Fluid Tech

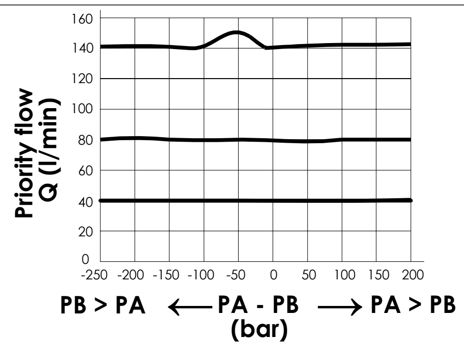


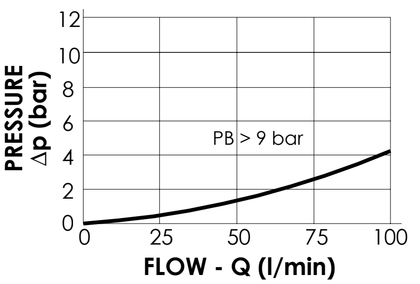




SPECIFICATIONS

Max. operating pressure:	**350 bar**
Rated flow:	**2 x 100 l/min**
Regulated Flow:	**3 - 150 l/min**
Manifold:	**Zinc plated steel**
Weight:	**6,5 kg**
Coil:	**M7**





NOTES

- Turn screw "R" anti-clockwise to increase regulated flow.
- Drain flow when de-energized 2 l/min.
- Max back pressure admitted on "DR" line 1,5 bar.
- For correct operation 8-9 bar must be present in port A. For open centre or low pressure systems a 9 bar check valve should be fitted in port A .
- Spool switching can be influenced by flexing or stressing the valve body. It is recommended to fit spacers on the mounting bolts between the valve and the mounting surface.

-See chapter four for suitable check valves.

ORDERING CODES

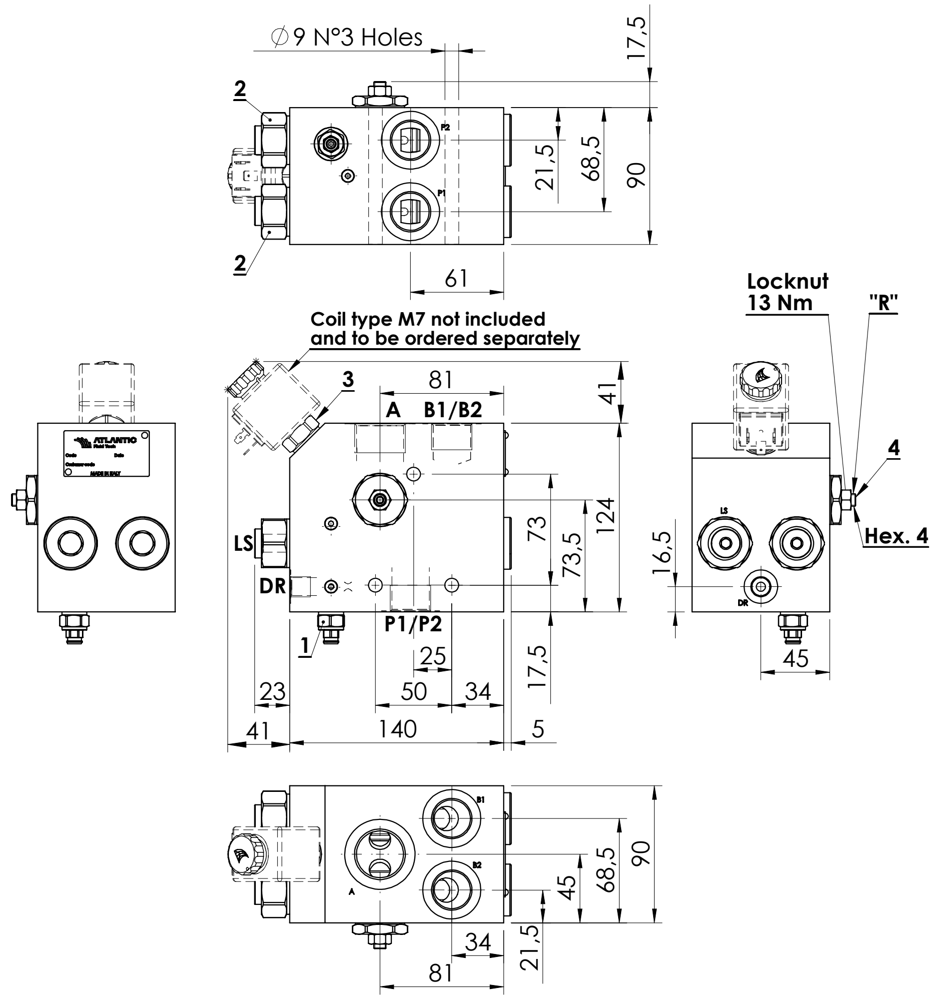
Quick code	Description	Main ports size	Setting range (bar)	Standard setting (bar)	Adjustment (bar/turn)
MF000066	**MFTT-100-MHAR-85-G12-N210**	P1-P2-B1-B2: **G 1/2"** A: **G3/4"**; DR: **G 1/4"**	**100 - 200**	**200**	**75**
MF000067	**MFTT-100-MHAR-85-G12-N350**	P1-P2-B1-B2: **G 1/2"** A: **G3/4"**; DR: **G 1/4"**	**150 - 350**	**350**	**165**

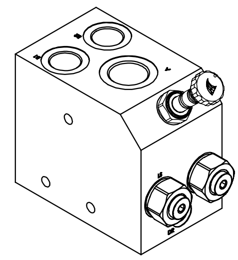
FLOW REGULATOR

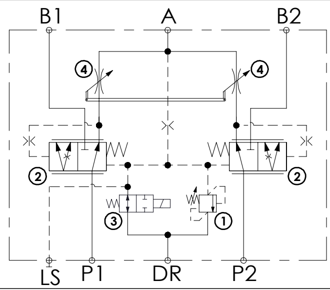
MFTT-200-MHAR

PRESSURE COMPENSATED PRIORITY TWO PUMPS SYSTEM FLOW REGULATOR FOR AUXILIARY CIRCUITS

ATLANTIC Fluid Tech







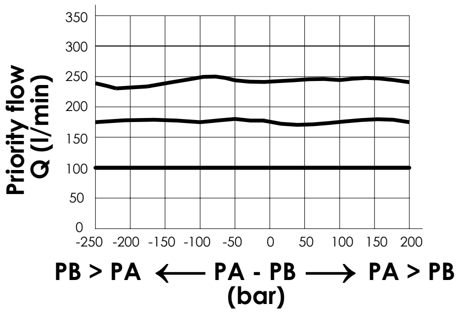
SPECIFICATIONS

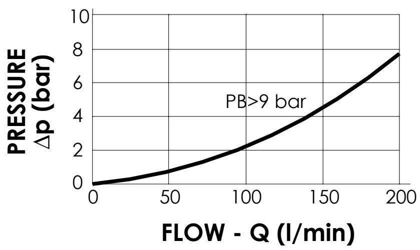
Max. operating pressure:	350 bar
Rated flow:	2 x 200 l/min
Regulated Flow:	3 - 250 l/min
Manifold:	Zinc plated steel
Weight:	10,9 kg
Coil:	M7

NOTES

- Turn screw "R" anti-clockwise to increase regulated flow.
- Drain flow when de-energized 2 l/min.
- Max back pressure admitted on "DR" line 1,5 bar.
- For correct operation 8-9 bar must be present in port A. For open centre or low pressure systems a 9 bar check valve should be fitted in port A .
- Spool switching can be influenced by flexing or stressing the valve body. It is recommended to fit spacers on the mounting bolts between the valve and the mounting surface.

-See chapter four for suitable check valves.





ORDERING CODES

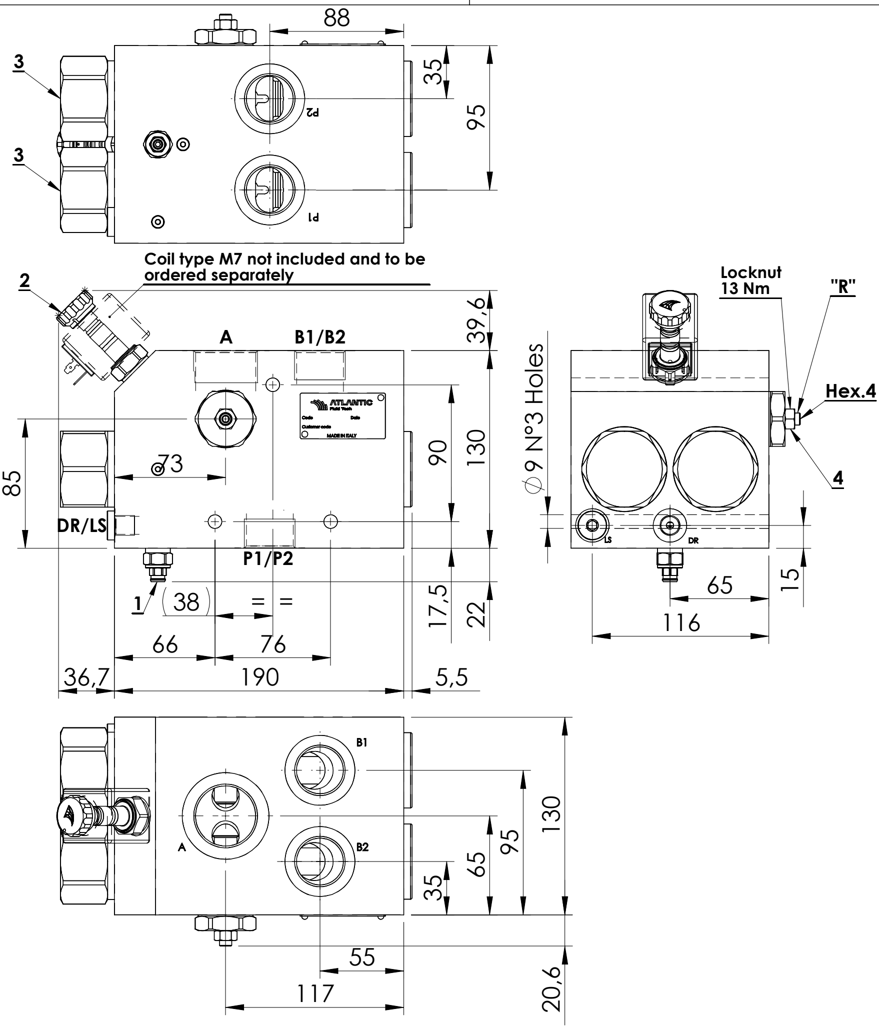
Quick code	Description	Main ports size	Setting range (bar)	Standard setting (bar)	Adjustment (bar/turn)
MF000064	MFTT-200-MHAR-14-G34-N210	P1-P2-B1-B2: **G3/4"** A: **G1"** ; T: **G1/4"**	100-200	200	75
MF000065	MFTT-200-MHAR-14-G34-N350	P1-P2-B1-B2: **G3/4"** A: **G1"** ; T: **G1/4"**	150-350	350	165

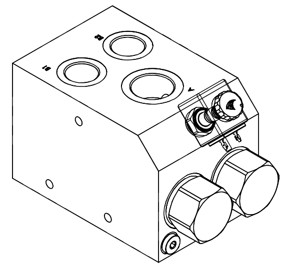
FLOW REGULATOR

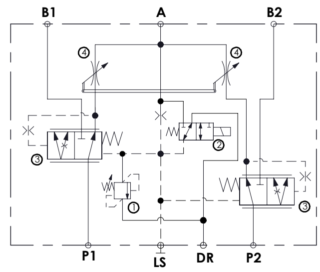
MFTT-300-MHAR

PRESSURE COMPENSATED PRIORITY TWO PUMPS SYSTEM FLOW REGULATOR FOR AUXILIARY CIRCUITS

ATLANTIC Fluid Tech





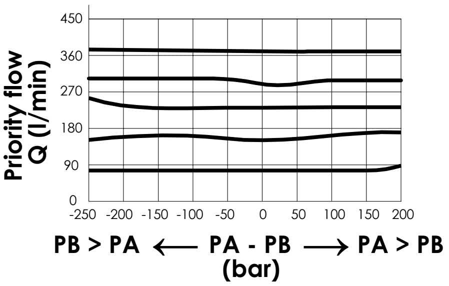


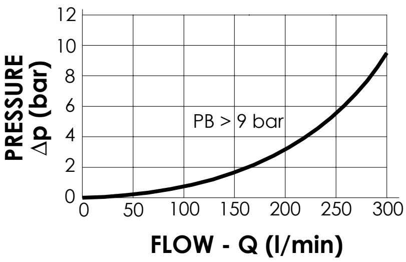
SPECIFICATIONS

Max. operating pressure:	350 bar
Rated flow:	2 x 300 l/min
Regulated Flow:	1,5 - 300 l/min
Manifold:	Zinc plated steel
Weight:	22,36 kg
Coil:	M7

NOTES

- Turn screw "R" anti-clockwise to increase regulated flow.
- Drain flow when de-energized 2 l/min.
- Max back pressure admitted on "DR" line 1,5 bar.
- For correct operation 8-9 bar must be present in port A. For open centre or low pressure systems a 9 bar check valve should be fitted in port A .
- Spool switching can be influenced by flexing or stressing the valve body. It is recommended to fit spacers on the mounting bolts between the valve and the mounting surface.
-See chapter four for suitable check valves.





ORDERING CODES

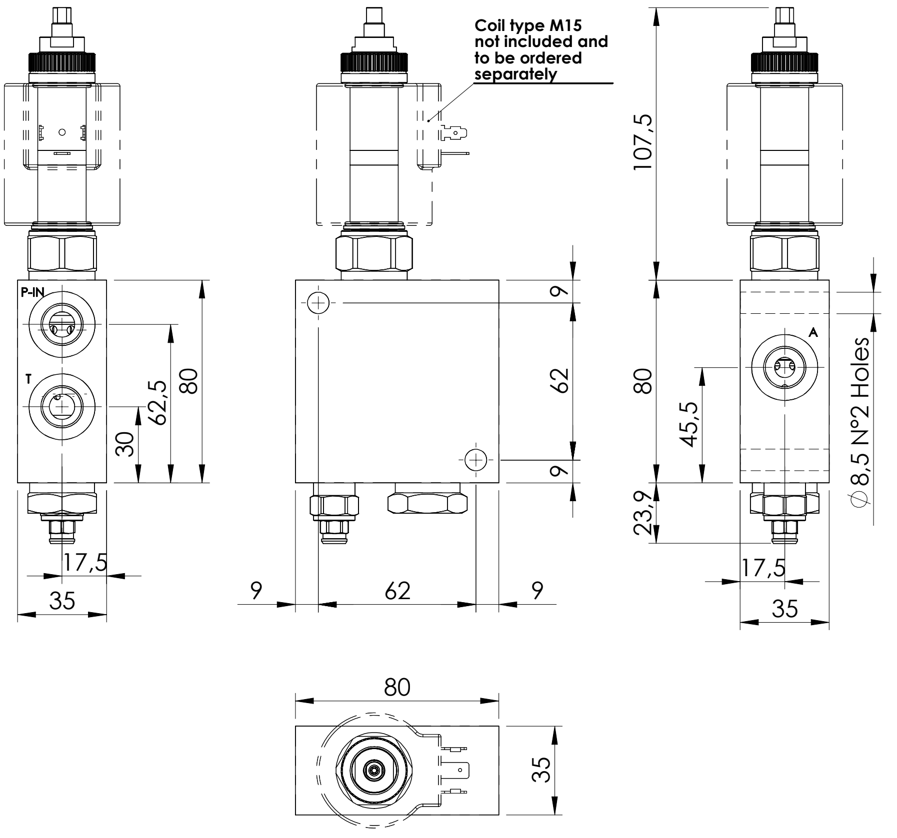
Quick code	Description	Main ports size	Setting range (bar)	Standard setting (bar)	Adjustment (bar/turn)
MF000275	MFTT-300-MHAR-30-G11-N350	P1,P2,B1,B2: **G 1"** A: **G 1-1/4"** DR,LS: **G 1/4"**	120-350	350	165

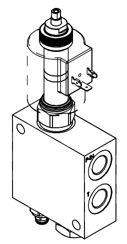
FLOW REGULATOR

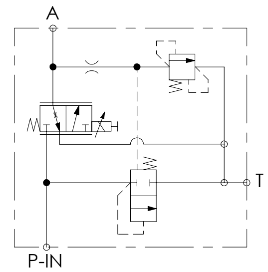
MFCZ-040-LSLR

PROPORTIONAL VALVE COMPENSATED

ATLANTIC Fluid Tech

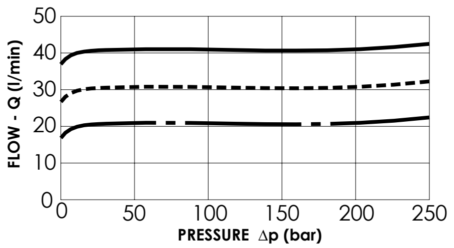


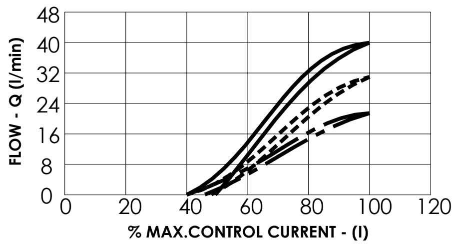




SPECIFICATIONS

Max. operating pressure:	210 bar
Rated flow:	40 l/min
Recommended PWM range:	150-180 Hz
Weight:	0,84 kg
Manifold:	Aluminium
Coil type:	M15
Max. int. leakage:	150 cm^3/min (@46 cSt)





MF000294 3>2———— MF000295 3>2– – – – – MF000296 3>2—— – ——

NOTES

Bleed air before use

Manual override screw type

See chapter 18.00.000 for coil.

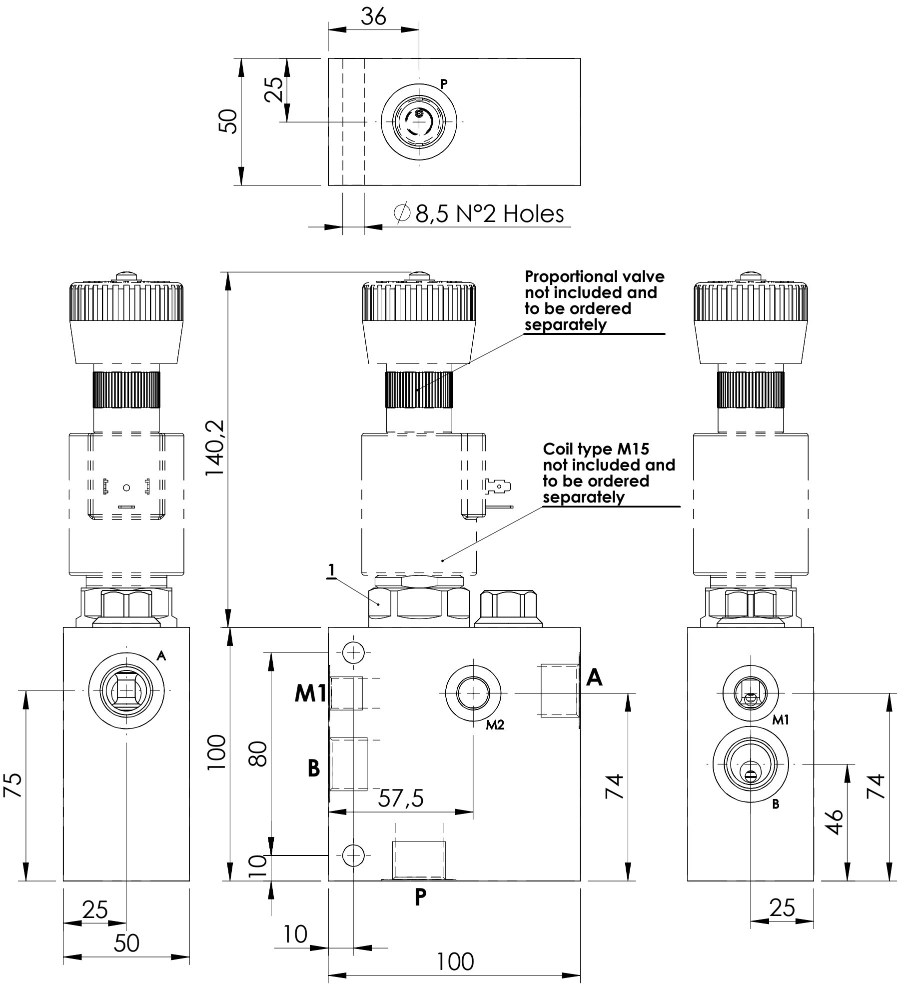
ORDERING CODES

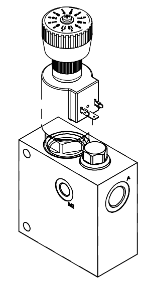
Quick code	Description	Rated flow (l/min)	Ports	Threshold current (with12VDC coil)	Max control current (with 12V DC coil)
MF000294	MFCZ-040-LSLR-40-G38-N210	40	G 3/8"	800 mA (+/-7%)	1600 mA (+/-7%)
MF000295	MFCZ-030-LSLR-30-G38-N210	30	G 3/8"	700 mA (+/-7%)	1500 mA (+/-7%)
MF000296	MFCZ-020-LSLR-20-G38-N210	20	G 3/8"	700 mA (+/-7%)	2400 mA (+/-7%)

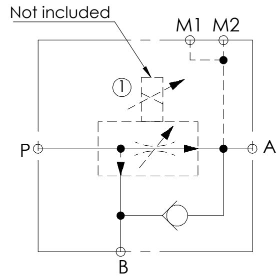
FLOW REGULATOR

MFPC-140-AMLR

PROPORTIONAL VALVES WITH ANTICAVITATION

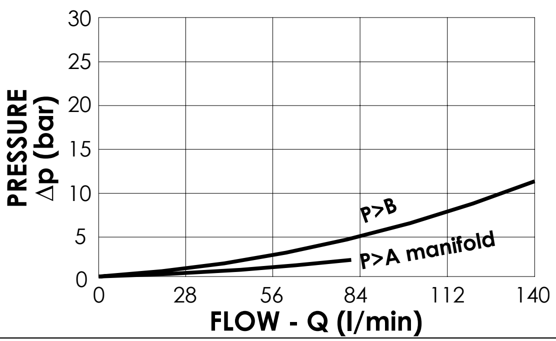






SPECIFICATIONS

Max. operating pressure:	320 bar
Rated flow:	140 l/min
Max regulated flow:	0 - 80 l/min
Manifold:	Aluminium
Weight:	1,1 kg
Coil type:	M15
Cavity type:	SAE-16-3N



NOTES

-See chapter 18.00.000 for coil.
-See chapter 16.00.000 for proportional valve info.

ORDERING CODES

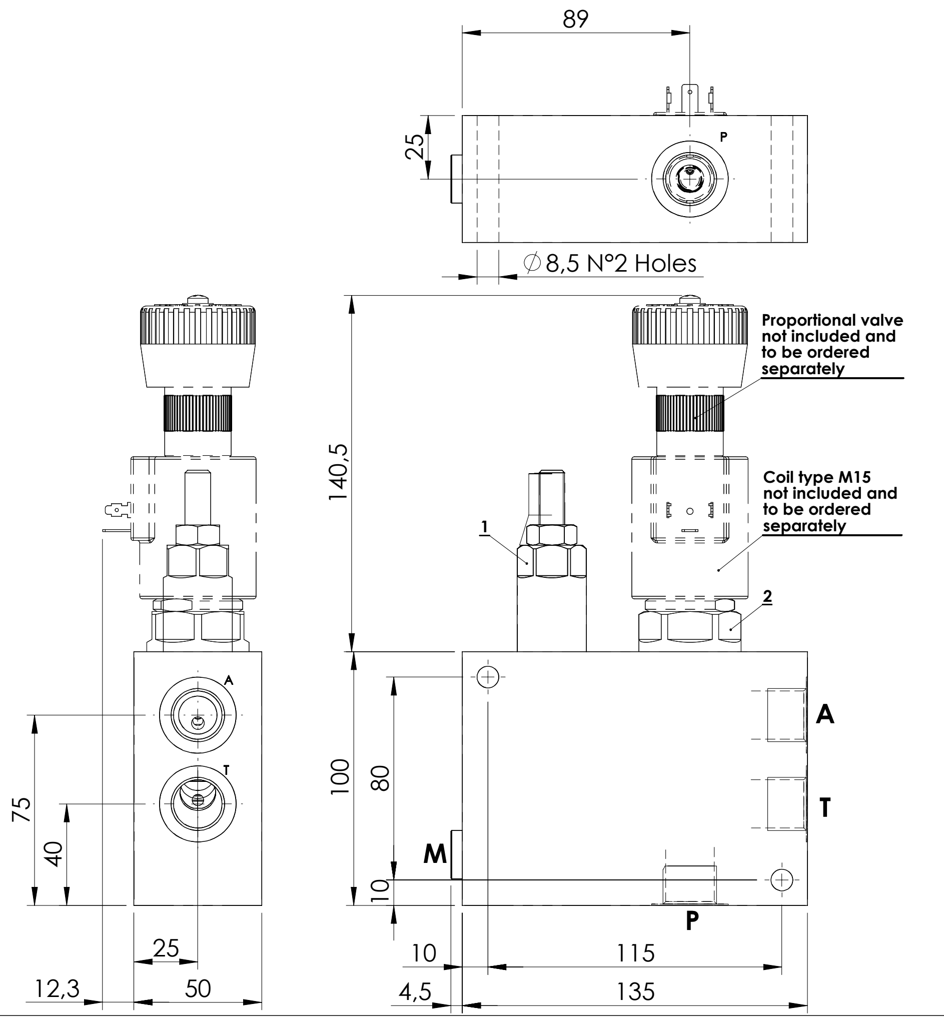
Quick code	Description	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MF000349	MFPC-140-AMLR-80-G12-N320	P,A,T: **G1/2"** M: **G1/4"**	200	60-210	24

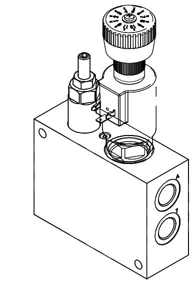
FLOW REGULATOR

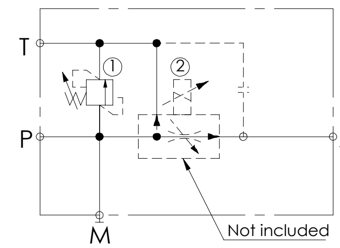
MFPC-140-LMLR

PROPORTIONAL VALVE WITH RELIEF

ATLANTIC Fluid Tech

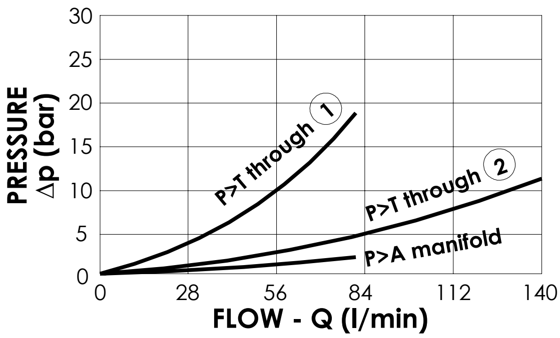






SPECIFICATIONS

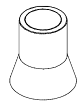
Max. operating pressure:	320 bar
Rated flow:	140 l/min
Max regulated flow:	0 - 80 l/min
Manifold:	Aluminium
Weight:	1,7 kg
Coil type:	M15
Cavity type:	SAE-16-3N



SEALING CAP

Ordering code:

AT000021



NOTES

-See chapter 18.00.000 for coil.
-See chapter 16.00.000 for proportional valve info.

ORDERING CODES

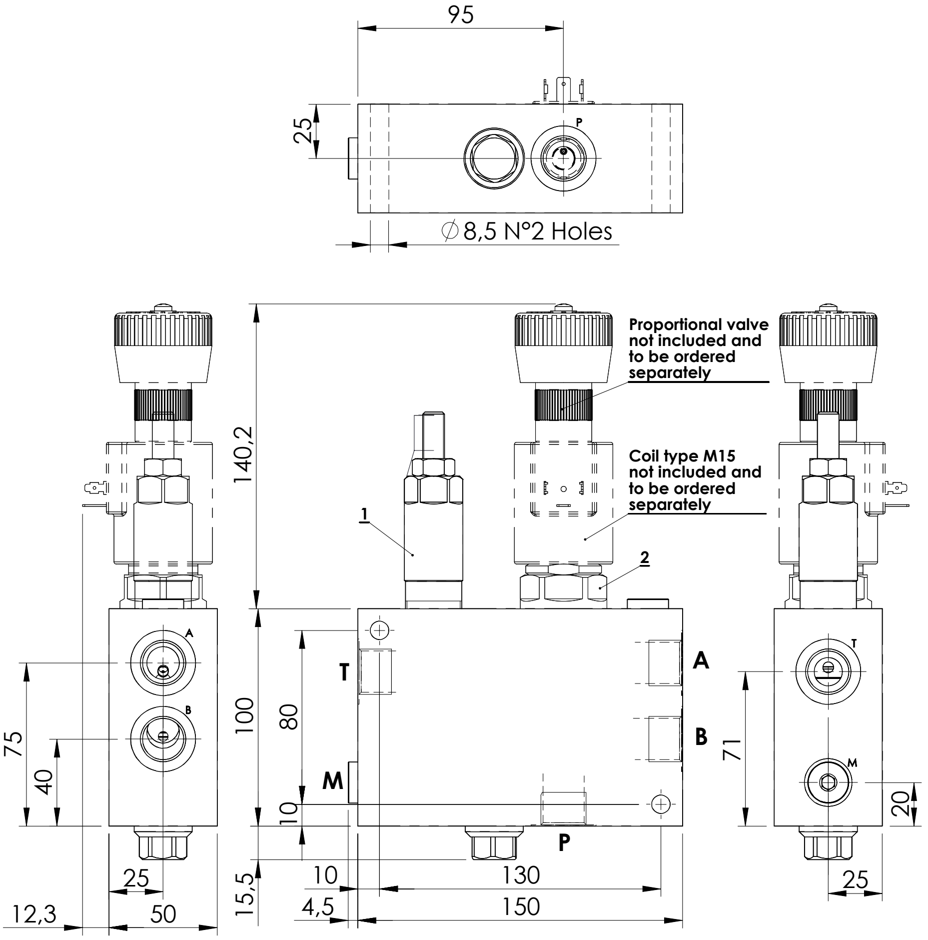
Quick code	Description	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MF000350	MFPC-140-LMLR-80-G12-N320	P,A,T: **G1/2"** M: **G1/4"**	200	60-210	24

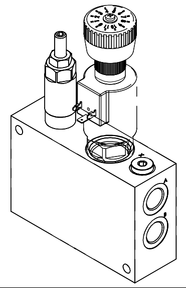
FLOW REGULATOR

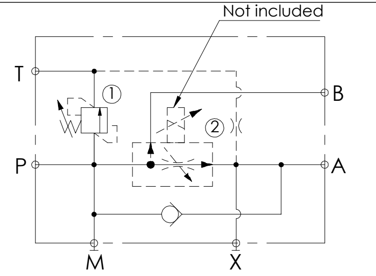
MFPC-140-TMLR

PROPORTIONAL VALVES WITH BYPASS CHECK WITH RELIEF

ATLANTIC Fluid Tech





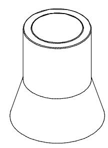


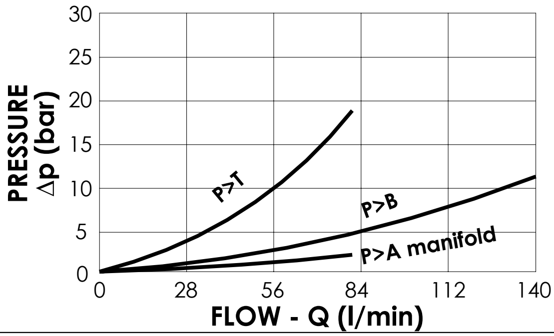
SPECIFICATIONS

Max. operating pressure:	320 bar
Rated flow:	140 l/min
Max regulated flow:	0 - 80 l/min
Manifold:	Aluminium
Weight:	2,0 kg
Coil type:	M15
Cavity type:	SAE-16-3N

SEALING CAP

Ordering code:
AT000021





NOTES

- See chapter 18.00.000 for coil.
- See chapter 16.00.000 for proportional valve info.

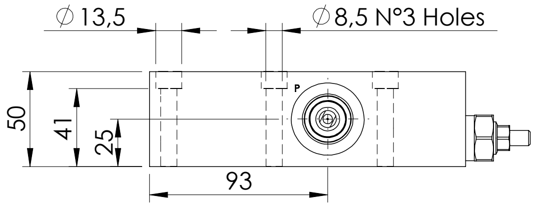
ORDERING CODES

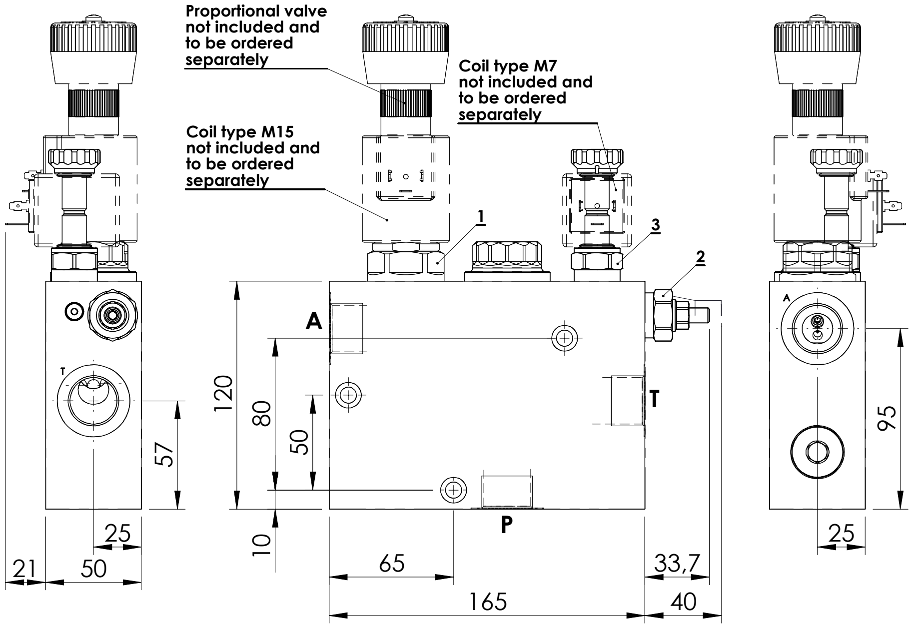
Quick code	Description	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MF000351	MFPC-140-TMLR-80-G12-N320	P,A,T: **G1/2"** M: **G1/4"**	200	60-210	24

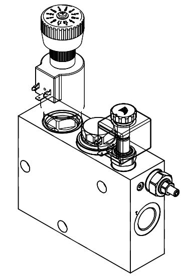
FLOW REGULATOR

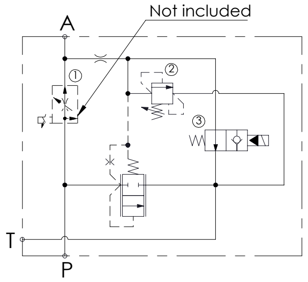
MFPC-200-MMAR

PROPORTIONAL VALVES WITH UNLOADING WITH RELIEF









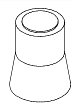
SPECIFICATIONS

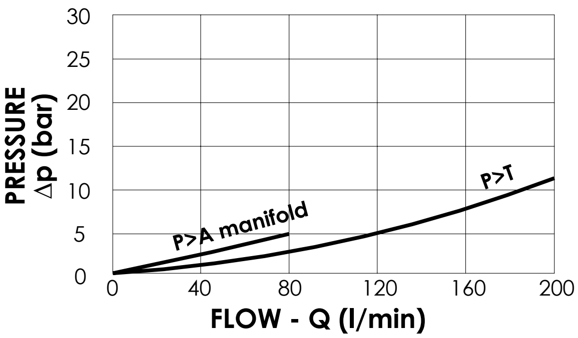
Max. operating pressure:	320 bar
Rated flow:	200 l/min
Max regulated flow:	0 - 80 l/min
Manifold:	Zinc plated steel
Weight:	6,72 kg
Coil type:	M7 - M15
Cavity type:	SAE-16-3N

SEALING CAP

Ordering code:

AT000020





NOTES

-See chapter 18.00.000 for coils.

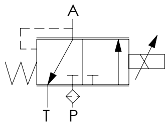
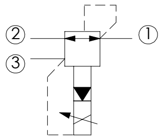
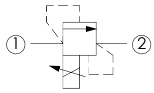
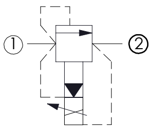
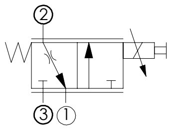
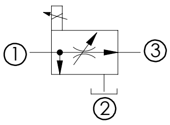
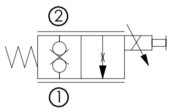
-See chapter 16.00.000 for proportional valve info.

ORDERING CODES

Quick code	Description	Main ports size	Standard setting (bar, Q=5 l/min)	Adjust. range (bar)	Pressure increase (bar/turn)
MF000352	MFPC-200-MMAR-80-G12-N320	P,T,R: **G 3/4"**	220	140-350	142

PROPORTIONAL CARTRIDGES

ATLANTIC Fluid Tech

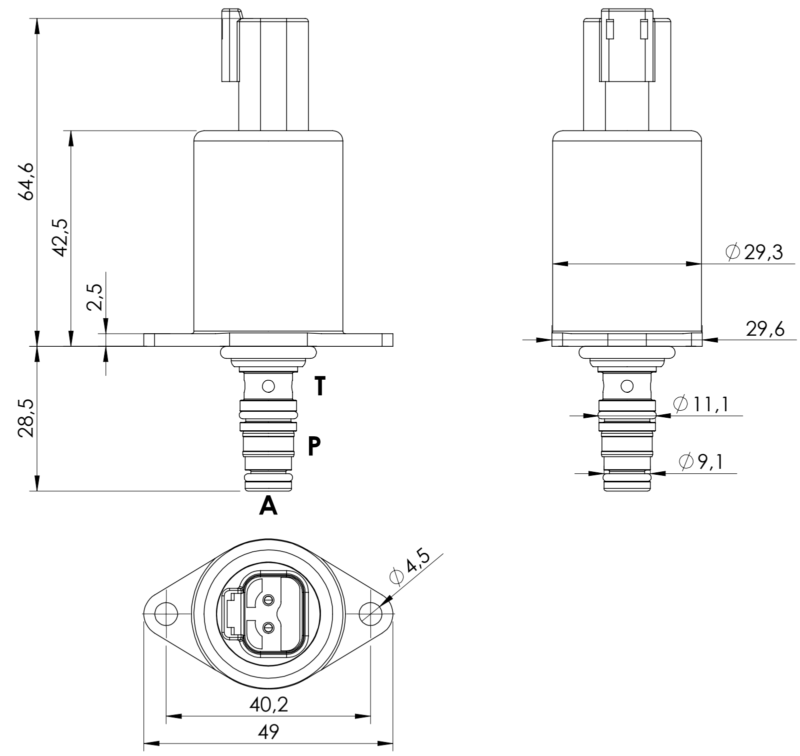
Hydraulic scheme	Valve description	Valve type	Rated flow (l/min)	Max. pressure (bar)	Installation	Main port size or cavity type	Page
	CECS-005-PRPN	Proportional, direct operated, pressure reducing	5	50	DT04-2P	VP000371	3.01.**010**
	CECT-080-PRPS	Proportional, pilot operated, reducing and relieving	80	250	Cartridge	SAE-10-3N	3.02.**020**
	CEBD-005-PLPS	Proportional, poppet type relief	5	350	Cartridge	SAE-08-2N	3.03.**030**
	CEBT-120-PLPS	Proportional, pilot operated, relieving	120	350	Cartridge	SAE-10-2N	3.04.**040**
	CEBT-120-PMPS	Proportional, pilot operated, relieving, for fan drive	120	350	Cartridge	SAE-10-2N	3.04.**050**
	CEBT-300-PLPS	Proportional, pilot operated, relieving	300	350	Cartridge	SAE-16-2N	3.04.**060**
	CEBT-500-PLPS	Proportional, pilot operated, relieving	500	350	Cartridge	SAE-20-2N	3.04.**070**
	CECS-020-FSPS	Proportional, non compensated, flow regulator	20	210	Cartridge	SAE-10-3N	3.05.**080**
	CECS-030-FSPS	Proportional, non compensated, flow regulator	30	210	Cartridge	SAE-10-3N	3.05.**080**
	CECS-040-FSPS	Proportional, non compensated, flow regulator	40	210	Cartridge	SAE-10-3N	3.05.**080**
	CECS-140-FRPV	Proportional, direct operated, flow regulator	140	320	Cartridge	SAE-16-3N	3.06.**090**
	CEBS-020-PEPS	Proportional, normally closed	20	210	Cartridge	SAE-08-2N	3.07.**100**
PROPORTIONAL CONTROLLER	ELPC-030-SCCB	Proportional electronic controller	-	-	DIN 43650	-	3.08.**110**

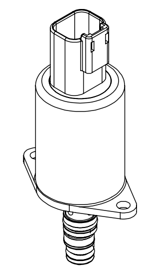
SOLENOID OPERATED CARTRIDGE

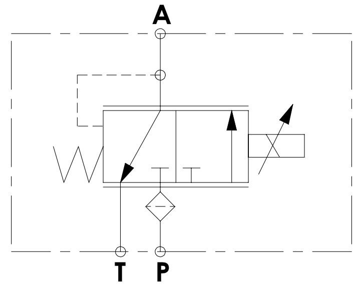
CECS-005-PRPN

PROPORTIONAL VALVES
DIRECT OPERATED
PRESSURE REDUCING

ATLANTIC Fluid Tech

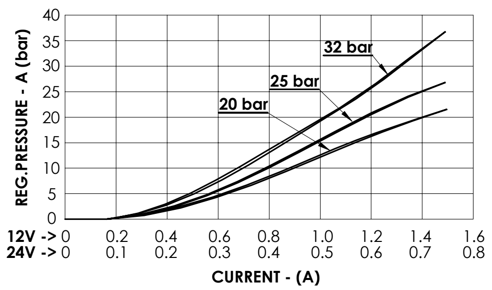


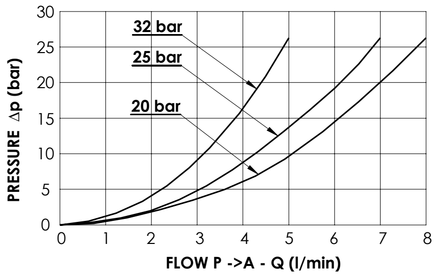


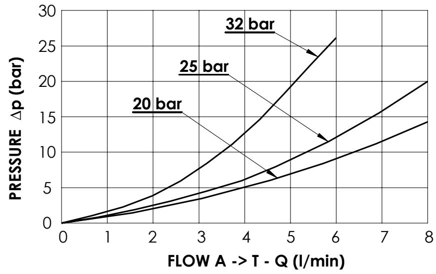


SPECIFICATIONS

Max. P pressure:	50 bar
Max. T pressure:	30 bar
Rated flow:	5 l/min
Cavity:	VP000371
Weight:	0,200 kg
Connector type:	Deutsch DT04-2P
Internal leakage:	15 cc/min (@ 25 bar,46 cSt)
Protection class:	Up to IP6K6 / IPX9K
PWM range recommended:	100 Hz
Filter on P port:	125 µm
Mounting screw:	2 x M4x10 class 8.8
Mounting screw torque:	3.5 Nm
Mounting screw not included	
Seal kit:	RC700371







ORDERING CODES

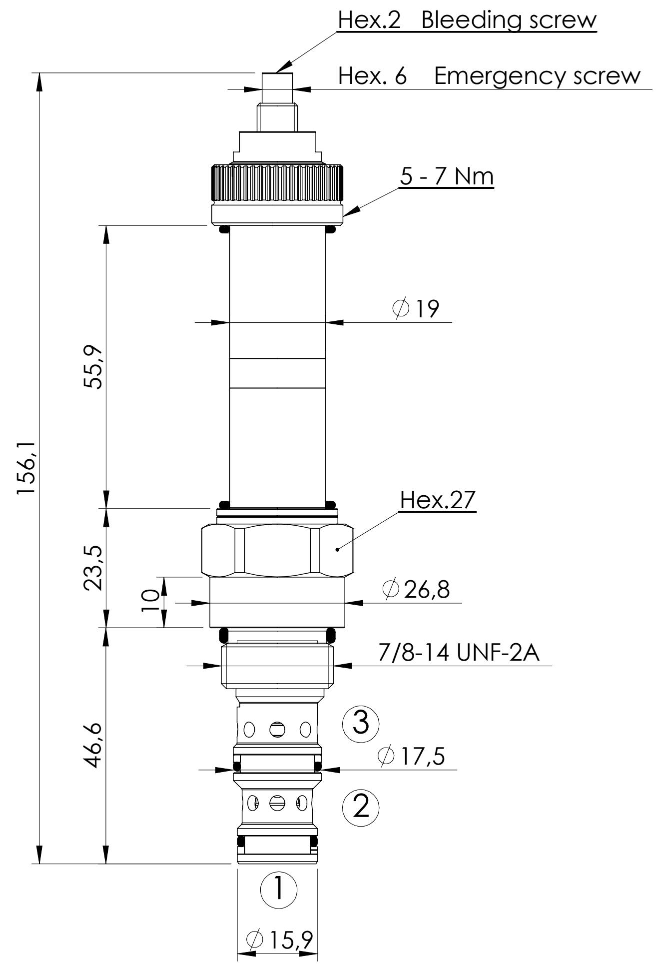
Quick code	Description	Regulated pressure range (bar)	Voltage (V)	Current (mA)	Resistance (Ω) ± 5%	Hysteresis (bar) pA
CE000850	CECS-005-PRPN-95-371-N020-12DT	0-20	12	1500	4.72	< 0.4
CE000851	CECS-005-PRPN-95-371-N020-24DT	0-20	24	750	20.8	< 0.4
CE000852	CECS-005-PRPN-95-371-N025-12DT	0-25	12	1500	4.72	< 0.5
CE000853	CECS-005-PRPN-95-371-N025-24DT	0-25	24	750	20.8	< 0.5
CE000893	CECS-005-PRPN-95-371-N032-12DT	0-32	12	1500	4.72	< 0.7
CE000862	CECS-005-PRPN-95-371-N032-24DT	0-32	24	750	20.8	< 0.7

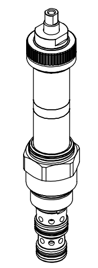
SOLENOID OPERATED CARTRIDGE

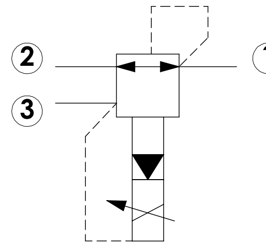
CECT-080-PRPS

PROPORTIONAL VALVES
PILOTED OPERATED PRESSURE
REDUCING AND RELIEVING

ATLANTIC Fluid Tech

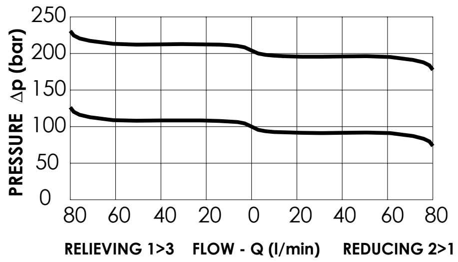


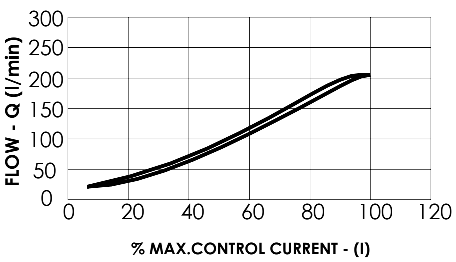




SPECIFICATIONS

Max. operating pressure:	250 bar
Rated flow:	80 l/min
Cavity:	SAE-10-3N
Weight:	0,22 kg
Coil type:	M15 type
Installation torque:	55 - 62 Nm
PWM range recommended:	120-150 Hz
Seal kit:	RA100092





NOTES

Bleed air before use

ORDERING CODES

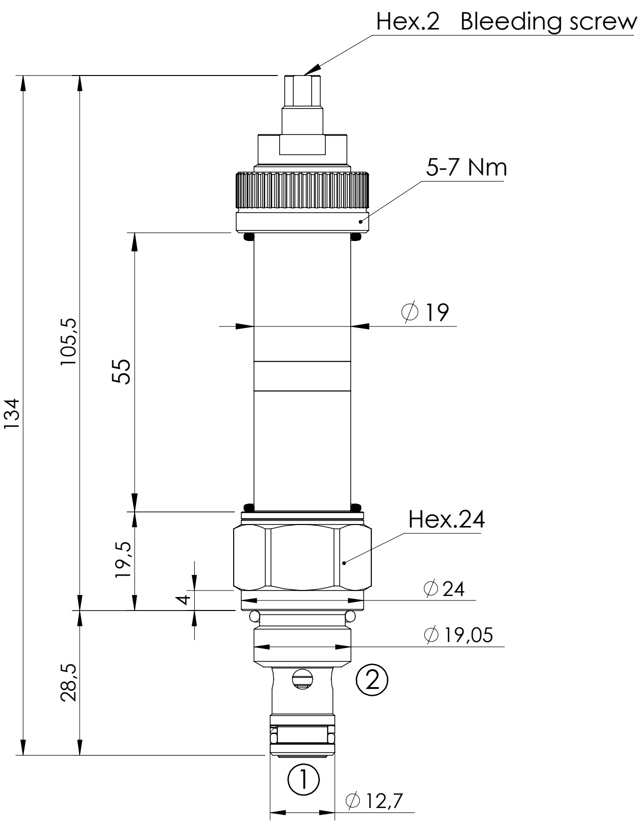
Quick code	Description	Regulated pressure range (bar)	Threshold current (with12VDC coil)	Max control current (with 12V DC coil)	Override
CE000122	CECT-080-PRPS-96-S10-V210	20-220	200 mA (+/-7%)	1700 mA (+/-7%)	Screw style

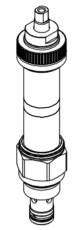
SOLENOID OPERATED CARTRIDGE

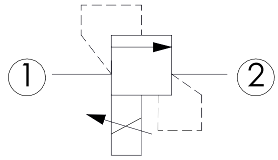
CEBD-005-PLPS

PROPORTIONAL VALVES POPPET TYPE RELIEF

ATLANTIC Fluid Tech

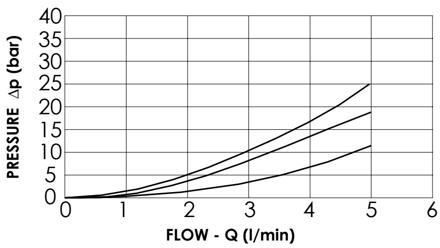


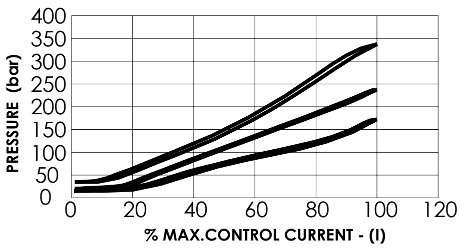




SPECIFICATIONS

Max. operating pressure:	350 bar
Rated flow:	5 l/min
Cavity:	SAE-08-2N
Weight:	0,16 kg
Coil type:	M15 type
PWM range recommended:	150-180 Hz
Installation torque:	45 - 50 Nm
Seal kit:	RA100081





NOTES

Bleed air before use

ORDERING CODES

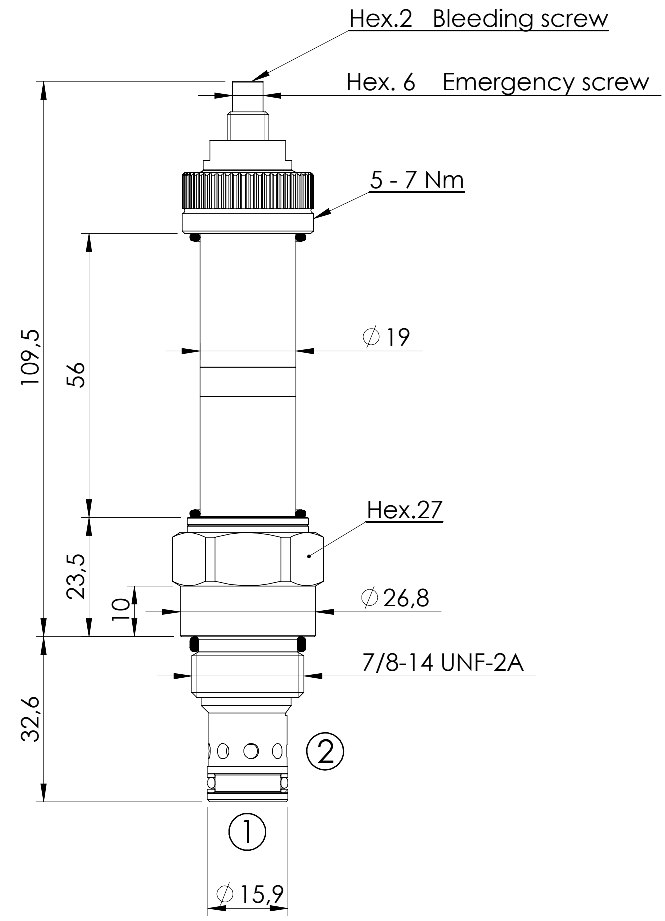
Quick code	Description	Setting range (bar)	Threshold current (with12VDC coil)	Max control current (with 12V DC coil)	Override
CE000910	CEBD-005-PLPS-92-S08-V350	25-340	250 mA (+/-7%)	1800 mA (+/-7%)	Screw style
CE000911	CEBD-005-PLPS-92-S08-V200	17-250	200 mA (+/-7%)	1800 mA (+/-7%)	Screw style
CE000912	CEBD-005-PLPS-92-S08-V100	9-160	200 mA (+/-7%)	1800 mA (+/-7%)	Screw style

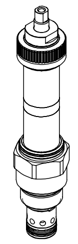
SOLENOID OPERATED CARTRIDGE

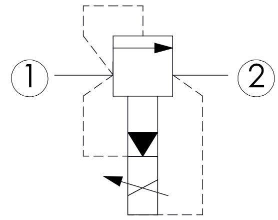
CEBT-120-PLPS

**PROPORTIONAL VALVES
PILOTED RELIEF
SPOOL TYPE**

ATLANTIC Fluid Tech





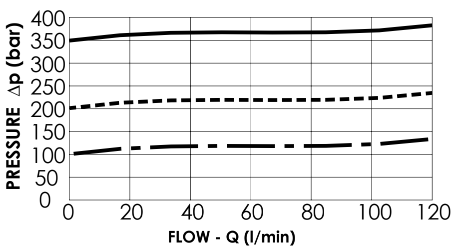


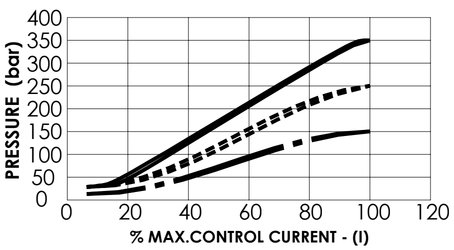
SPECIFICATIONS

Max. operating pressure:	350 bar
Rated flow:	120 l/min
Cavity:	SAE-10-2N
Weight:	0,2 kg
Coil type:	M15 type
Max. int. leakage:	200 cm^3/min (@46 cSt)
Installation torque:	55 - 62 Nm
PWM range recommended:	150-180 Hz
Seal kit:	RB100082

NOTES

Bleed air before use





CE000119 1>2———— CE000120 1>2------ CE000121 1>2—-—

ORDERING CODES

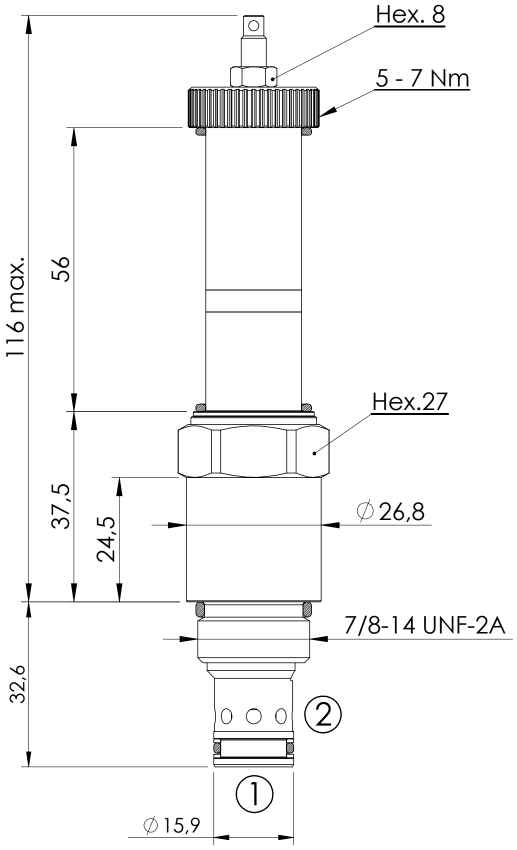
Quick code	Description	Setting range (bar)	Threshold current (with12VDC coil)	Max control current (with 12V DC coil)	Override
CE000119	CEBT-120-PLPS-91-S10-V350	30-350	200 mA (+/-7%)	1600 mA (+/-7%)	Screw style
CE000120	CEBT-120-PLPS-91-S10-V200	20-220	200 mA (+/-7%)	1700 mA (+/-7%)	Screw style
CE000121	CEBT-120-PLPS-91-S10-V100	15-90	200 mA (+/-7%)	1700 mA (+/-7%)	Screw style

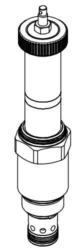
SOLENOID OPERATED CARTRIDGE

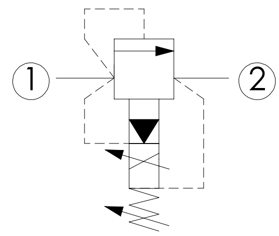
CEBT-120-PMPS

PROPORTIONAL VALVES
PILOTED RELIEF
SPOOL TYPE FOR FAN DRIVE

ATLANTIC Fluid Tech

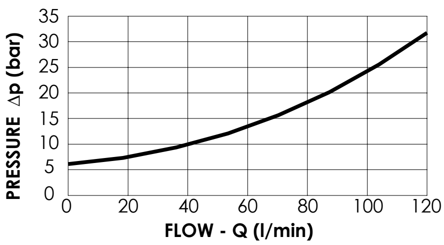


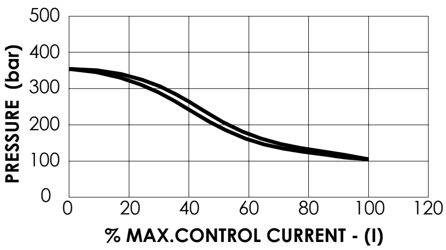




SPECIFICATIONS

Max. operating pressure:	350 bar
Rated flow:	120 l/min
Cavity:	SAE-10-2N
Weight:	0,21 kg
Coil type:	M15 type
Max. int. leakage:	200 cm^3/min (@46 cSt)
Installation torque:	55 - 62 Nm
PWM range recommended:	150-180 Hz
Seal kit:	RB100082





NOTES

Pressure decreasing with current increasing.
Maximum pressure value can be adjusted manually within a range.

ORDERING CODES

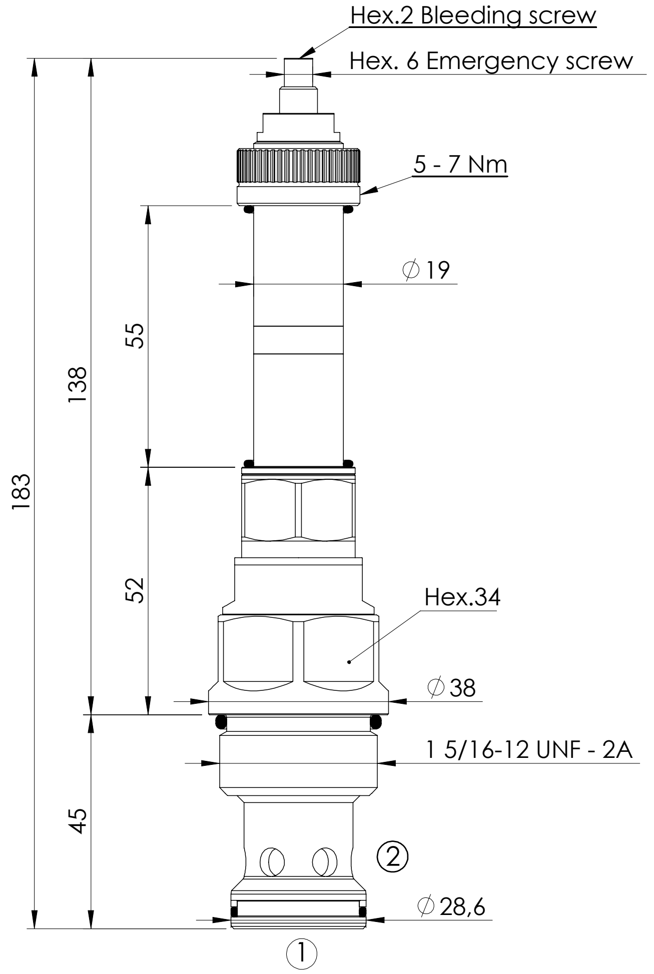
Quick code	Description	Minimum pressure (bar)	Max. pressure setting range (bar)	Standard setting (bar)	Threshold current (with12VDC coil)	Max control current (with 12V DC coil)
CE000890	CEBT-120-PMPS-91-S10-V350	7	100-350	210	200 mA (+/-7%)	1600 mA (+/-7%)

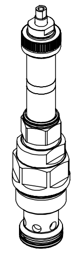
SOLENOID OPERATED CARTRIDGE

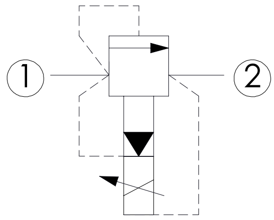
CEBT-300-PLPS

PROPORTIONAL VALVES
PILOTED RELIEF
SPOOL TYPE

ATLANTIC Fluid Tech

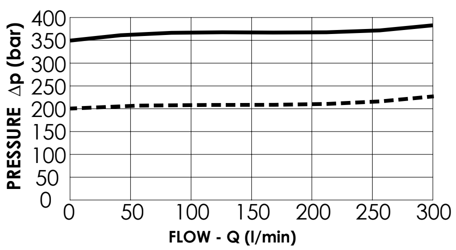


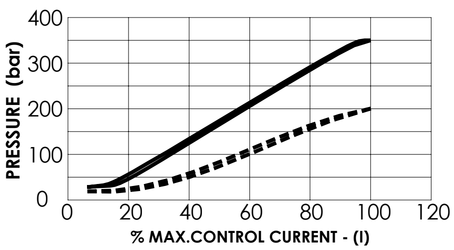




SPECIFICATIONS

Max. operating pressure:	350 bar
Rated flow:	300 l/min
Cavity:	SAE-16-2N
Weight:	0,5 kg
Coil type:	M15 type
Max. int. leakage:	200 cm^3/min (@46 cSt)
Installation torque:	118 - 132 Nm
PWM range recommended:	150-180 Hz
Seal kit:	RA100084





CE000880 1>2 ————————   CE000895 1>2 - - - - - - - - -

NOTES

Bleed air before use

ORDERING CODES

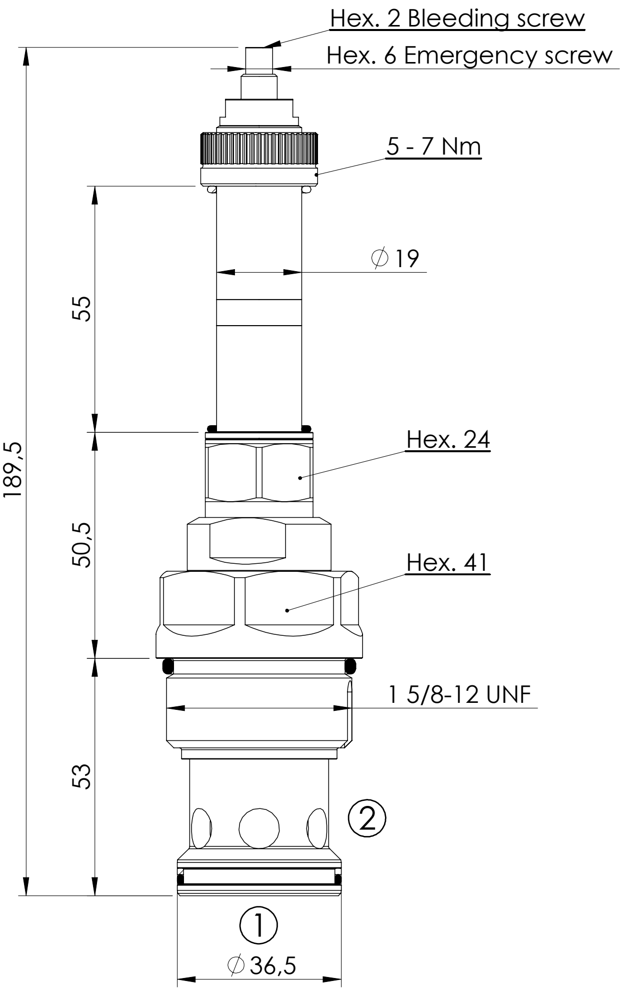
Quick code	Description	Proportional setting range (bar)	Threshold current (with12VDC coil)	Max control current (with 12V DC coil)	Override
CE000880	CEBT-300-PLPS-91-S16-V350	30-350	200 mA (+/-7%)	1600 mA (+/-7%)	Screw style
CE000895	CEBT-300-PLPS-91-S16-V200	20-200	200 mA (+/-7%)	1700 mA (+/-7%)	Screw style

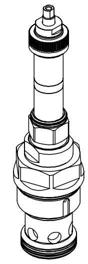
SOLENOID OPERATED CARTRIDGE

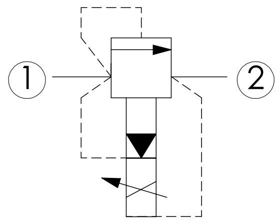
CEBT-500-PLPS

PROPORTIONAL VALVES
PILOTED RELIEF
SPOOL TYPE

ATLANTIC Fluid Tech

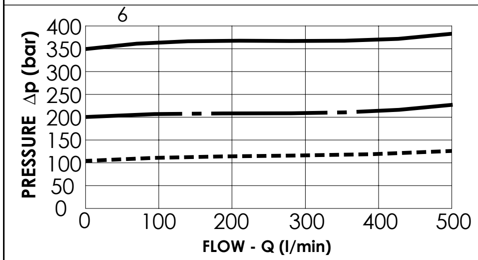


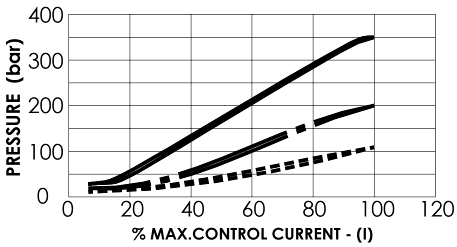




SPECIFICATIONS

Max. operating pressure:	350 bar
Rated flow:	500 l/min
Cavity:	SAE-20-2N
Weight:	0,7 kg
Coil type:	M5 type
Max. int. leakage:	200 cm^3/min (@46 cSt)
Installation torque:	230 - 250 Nm
PWM range recommended:	150-180 Hz
Seal kit:	RA100085





CE000770 1>2
CE000771 1>2
CE000772 1>2

NOTES

Bleed air before use

ORDERING CODES

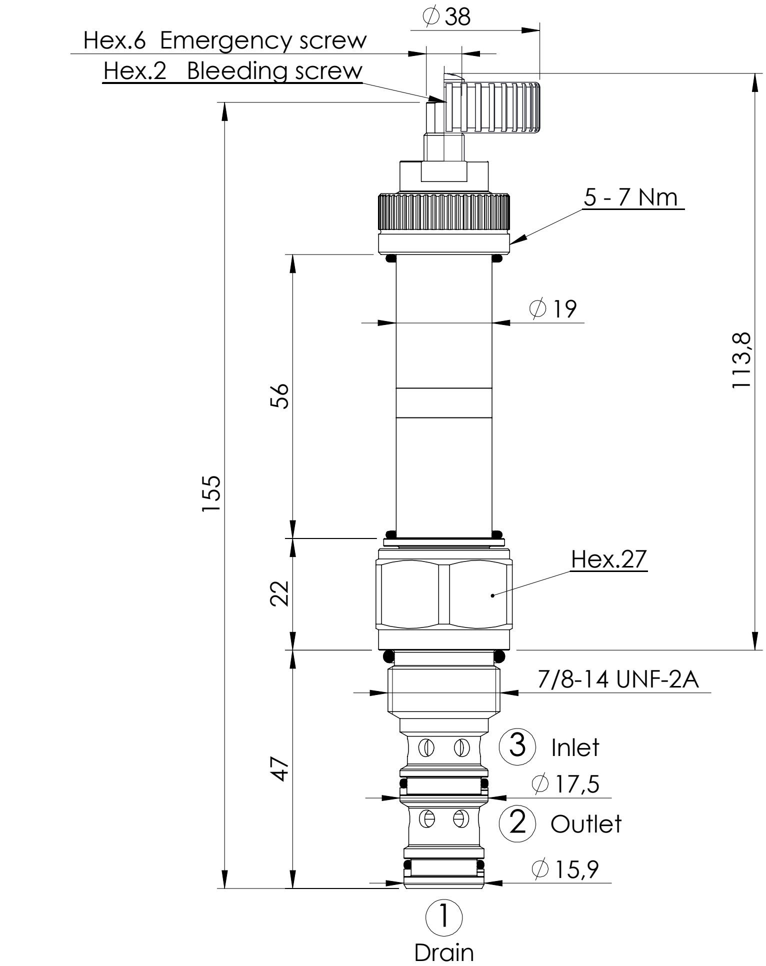
Quick code	Description	Setting range (bar)	Threshold current (with12VDC coil)	Max control current (with 12V DC coil)	Override
CE000770	CEBT-500-PLPS-91-S20-V350	30-350	200 mA (+/-7%)	1600 mA (+/-7%)	Screw style
CE000771	CEBT-500-PLPS-91-S20-V200	20-220	200 mA (+/-7%)	1700 mA (+/-7%)	Screw style
CE000772	CEBT-500-PLPS-91-S20-V100	15-90	200 mA (+/-7%)	1700 mA (+/-7%)	Screw style

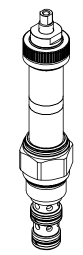
SOLENOID OPERATED CARTRIDGE

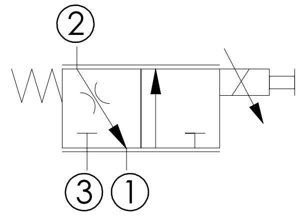
CECS-040-FSPS

PROPORTIONAL VALVES NON COMPENSATED FLOW REGULATOR

ATLANTIC Fluid Tech





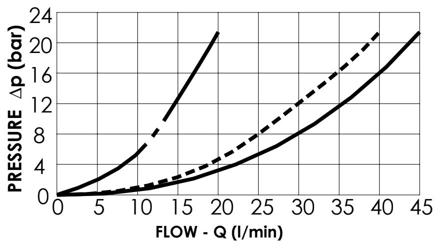


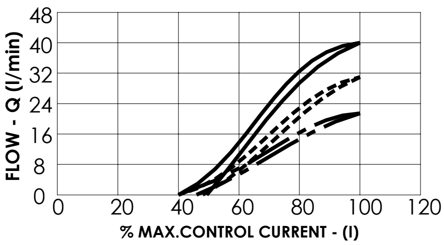
SPECIFICATIONS

Max. operating pressure:	210 bar
Rated flow:	40 l/min
Cavity:	SAE-10-3N
Weight:	0,22 kg
Coil type:	M15 type
Max. int. leakage:	150 cm^3/min (@46 cSt)
Installation torque:	55 - 62 Nm
Recommended PWM range:	150-180 Hz
Seal kit:	RA100092

NOTES

Bleed air before use





CE000111 3>2——— CE000112 3>2----- CE000113 3>2— - —

ORDERING CODES

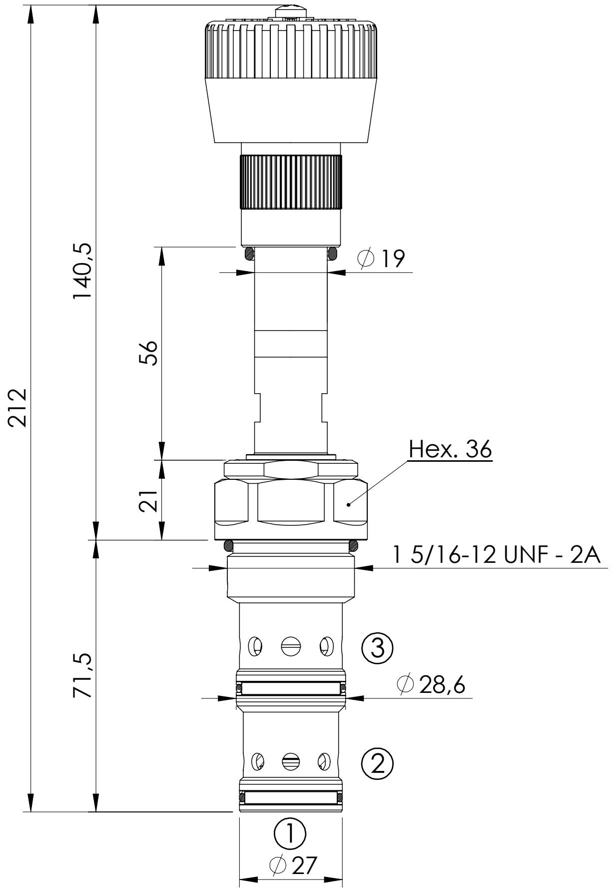
Quick code	Description	Rated flow (l/min)	Threshold current (with12VDC coil)	Max control current (with 12V DC coil)	Override
CE000111	CECS-040-FSPS-85-S10-V210	40	800 mA (+/-7%)	1600 mA (+/-7%)	Screw style
CE000112	CECS-030-FSPS-85-S10-V210	30	700 mA (+/-7%)	1500 mA (+/-7%)	Screw style
CE000113	CECS-020-FSPS-85-S10-V210	20	700 mA (+/-7%)	1400 mA (+/-7%)	Screw style
CE000960	CECS-040-FSPV-85-S10-V210	40	800 mA (+/-7%)	1600 mA (+/-7%)	Handknob style
CE000906	CECS-030-FSPV-85-S10-V210	30	700 mA (+/-7%)	1500 mA (+/-7%)	Handknob style
CE000489	CECS-020-FSPV-85-S10-V210	20	700 mA (+/-7%)	1400 mA (+/-7%)	Handknob style

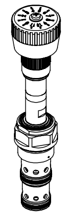
PROPORTIONAL CARTRIDGE

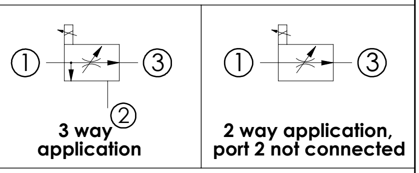
CECS-140-FRPM

PROPORTIONAL VALVES
FLOW REGULATOR
3 WAYS COMBINATION

ATLANTIC Fluid Tech

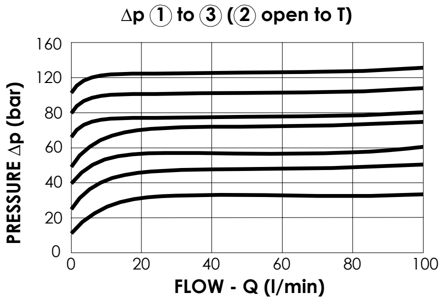


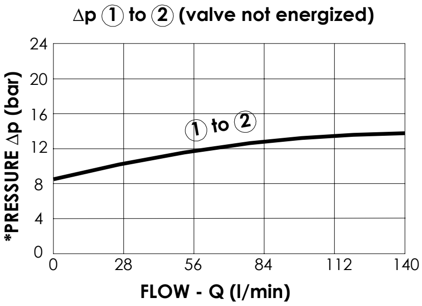


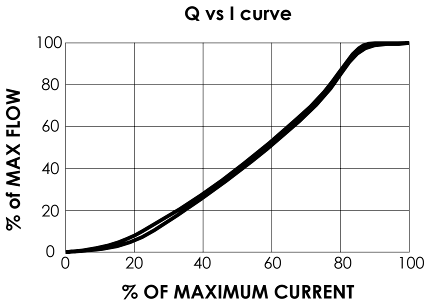


SPECIFICATIONS

Max. operating pressure:	320 bar
Maximum flow (in inlet port 1):	140 l/min
Max. flow 1 to 3:	100 l/min(regulated)
Pressure differential (1 to 3):	7 - 11 bar
Hysteresis (ramp up and down):	1,5 - 3 %
Coil type:	M15
Voltage:	12- 24 V dc
Max current (12 V dc):	1800 mA
Max current (24 V dc):	1200 mA
Coil resistance (12 V dc):	3.3-5.8 Ω
Coil resistence (24 V dc):	7.2-13 Ω
Weight:	0,6 kg
Cavity:	SAE-16-3N
Installation torque:	130 -145 Nm
Surface protection proportional solenoid:	Coating DIN 50962 Fe8//ZiNi with passivation
Seal kit:	RB100094







ORDERING CODES

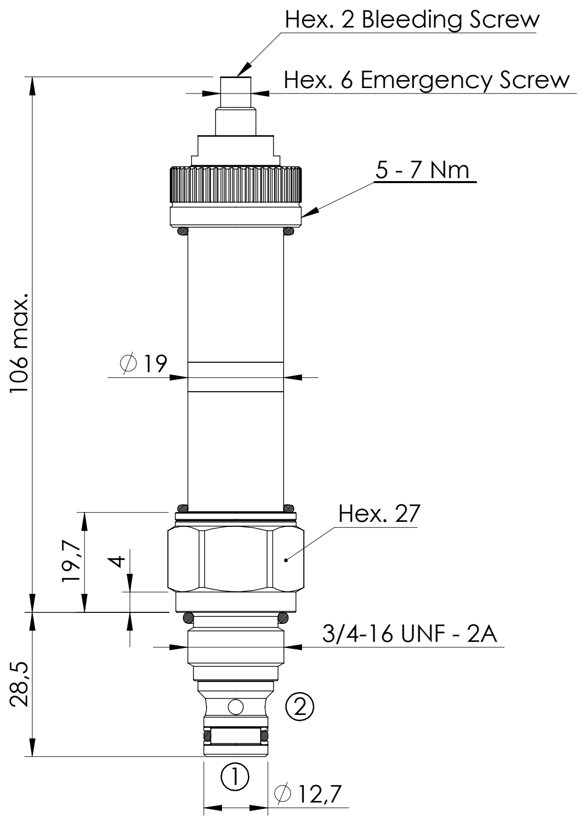
Quick code	Description	Regulated flow range (l/min)	Adjustment type	
CE000831	CECS-140-FRPM-15-S16-V320	0 - 15	Handknob	
CE000832	CECS-140-FRPM-25-S16-V320	0 - 25	Handknob	
CE000833	CECS-140-FRPM-40-S16-V320	0 - 40	Handknob	
CE000834	CECS-140-FRPM-50-S16-V320	0 - 50	Handknob	
CE000835	CECS-140-FRPM-65-S16-V320	0 - 65	Handknob	
CE000836	CECS-140-FRPM-80-S16-V320	0 - 80	Handknob	
CE001034	CECS-140-FRPM-100-S16-V320	0 - 100	Handknob	

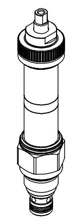
SOLENOID OPERATED CARTRIDGE

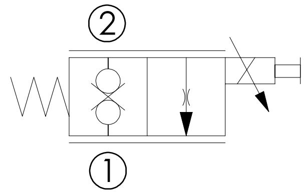
CEBS-020-PEPS

PROPORTIONAL VALVE NORMALLY CLOSED

ATLANTIC Fluid Tech

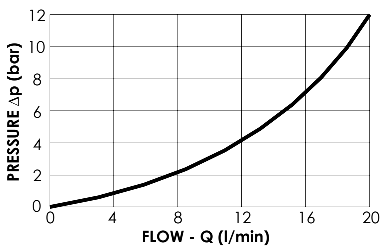


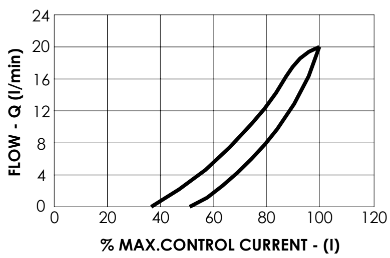




SPECIFICATIONS

Max. operating pressure:	**210 bar**
Rated flow:	**20 l/min**
Cavity:	**SAE-08-2N**
Weight:	**0,15 kg**
Coil type:	**M15 type**
Installation torque:	**45 - 50 Nm**
Recommended PWM range:	**120-150 Hz**
Seal kit:	**RA100081**





NOTES

Bleed air before use

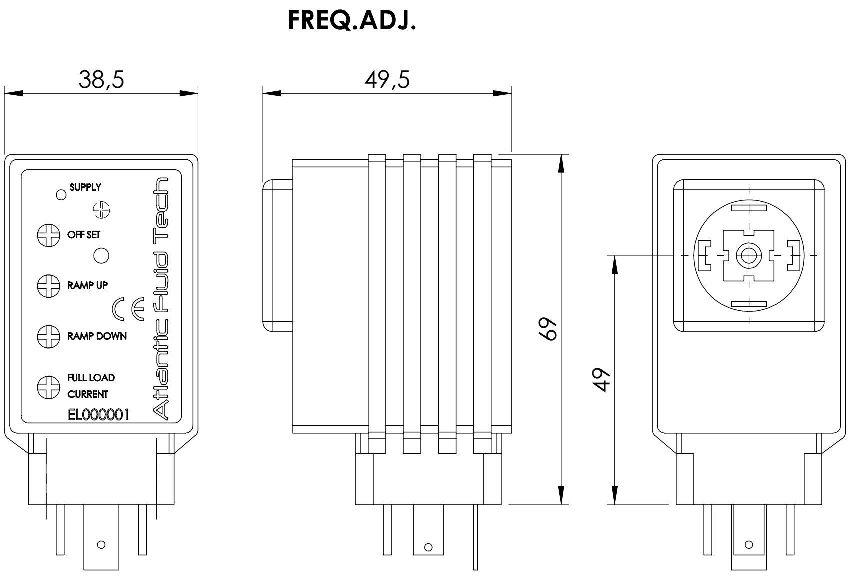
ORDERING CODES

Quick code	Description	Rated flow (l/min)	Threshold current (with12VDC coil)	Max control current (with 12V DC coil)	Override
CE000943	CEBS-020-PEPS-103-S08-V210	20	1000 mA (+/-7%)	2000 mA (+/-7%)	Screw style

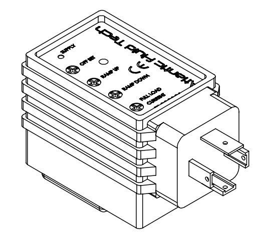
PROPORTIONAL VALVE CONTROLLER

ELPC-030-SCCB

ATLANTIC Fluid Tech



Max torque 0,5 Nm



SPECIFICATIONS

Supply voltage: 12 - 30 VDC
Coil rating must be matched with supply voltage: Rcoil<(Vsupply-1,5V) / Imax

Control input signal options: 5KΩ external potentiometer
(accepts 2KΩ to 10KΩ), or 0-10 VDC signal (see connection diagram)

Output current: up to 2A

Minimum current: 0 - 0,6 A

Max current deviation in temperature range: 3%

Ramp up / ramp down: 0,1 to 10 sec
Ramp setting indipendent from current range

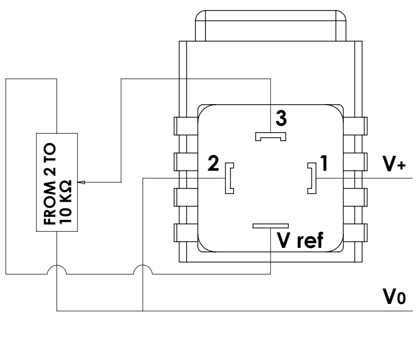
PWM frequency: 100 - 500 Hz

Operating conditions: -20 TO +70°C
0 to 85% relative humidity

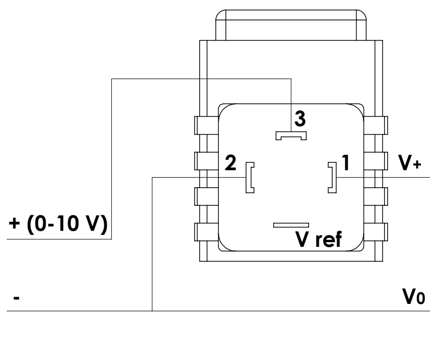
Environmental protection: IP65
with cover and seals installed

Connector type: DIN 43650 - ISO 4400

CONNECTION EXAMPLE WITH JOYSTICK OR POTENTIOMETER



CONNECTION EXAMPLE WITH ANALOGIC SIGNAL



IMPORTANT

DO NOT REMOVE controller from solenoid when energized to avoid the risk of damaging it

SETTING INSTRUCTIONS

SUPPLY: led is on when current is supplied

OFFSET: to be used to set minimum current value (I min), turn clockwise to increase setting

RAMP UP: to be used to set the ramp time from minimum (I min) to maximum current value (I max)

RAMP DOWN: to be used to set the ramp time from maximum (I max) to minimum current value (I min)

FULL LOAD CURRENT:to be used to set maximum current value (I max), turn clockwise to increase setting

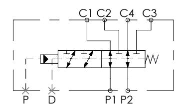
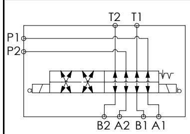
FREQ. ADJ.: this trimmer is inside the controller and is preset by factory, to be used to modify the PWM frequency

ORDERING CODES

Quick code	Description	
EL000001	Proportional controller ELPC-030-SCCB	

DIVERTER VALVES

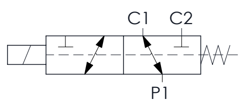
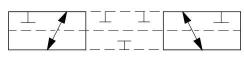
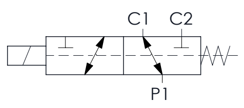
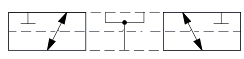
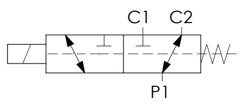
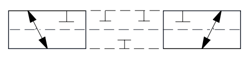
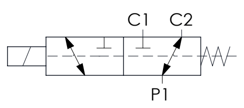
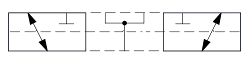
ATLANTIC Fluid Tech

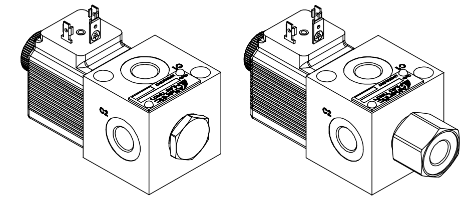
Hydraulic scheme	Valve description	Valve type	Rated flow (l/min)	Max. pressure (bar)	Installation	Main port size or cavity type	Page
	ESCB-025	Three ports	25	250-310	In line	G 1/4"	4.01.**010**
	ESCB-050	Three ports	50	250-310	In line	G 3/8"	4.01.**020**
	ESCB-090	Three ports	90	250-310	In line	G 1/2"	4.01.**030**
	ELFB-025	Six ports single	25	250-310	In line	G 1/4"	4.02.**040**
	ESFB-025	Six ports single and bankable	25	250-310	In line/Flanged	G 1/4"	4.03.**050**
	ESFB-050	Six ports single and bankable	50	250-350	In line/Flanged	G 3/8"	4.03.**060**
	ESFB-100	Six ports single and bankable	90	250-350	In line/Flanged	G 1/2"	4.03.**070**
	ELFB-400	Six ports single	400	210-420	In line	G 3/4" - 1" SAE 6000	4.04.**080**
	ELHB-010	Eight ports, with detent	10	210	In line	G 1/4"	4.05.**090**

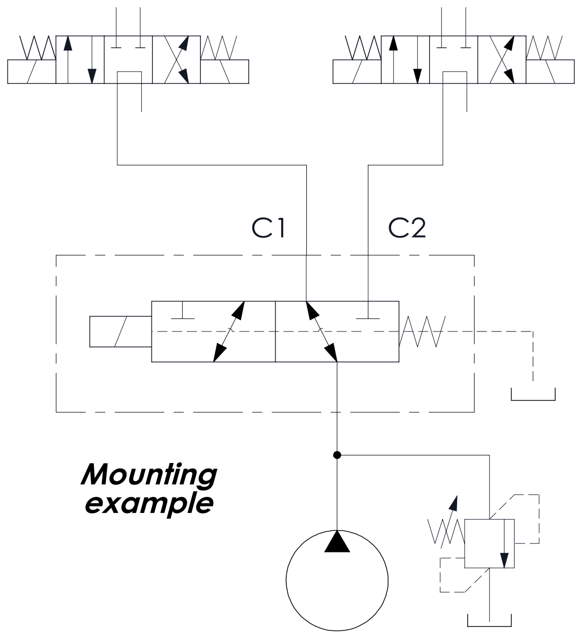
ESCB-025

3 WAYS FLOW DIVERTERS

ATLANTIC Fluid Tech

**	Circuit	Transit position
40		
41		
42		
43		

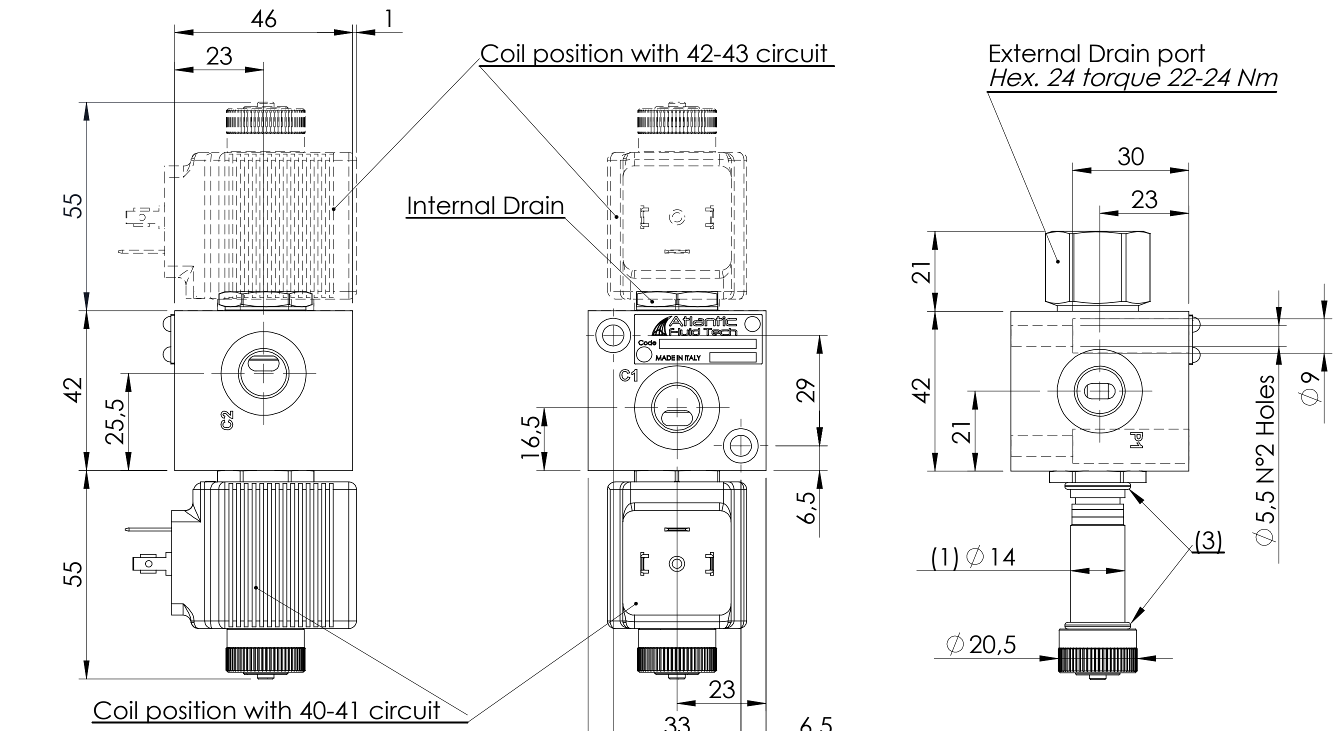




Mounting example

Technical data			
Rated flow		*l/min*	***25***
Operating pressure	*with internal drain "N"*	*bar*	***250***
	with external drain "E"	*bar*	***310***
Valve weight		*Kg*	***0,80***

OVERALL DIMENSIONS



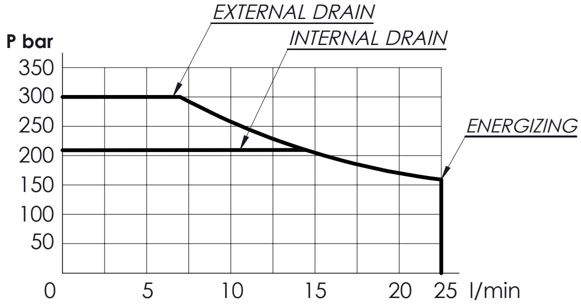
(1) Solenoid tube hex.17 - *Torque 22-24 Nm*
(2) Ring nut for coil locking - *Torque 5-6 Nm*
(3) O-Ring Ø14,00x1,78

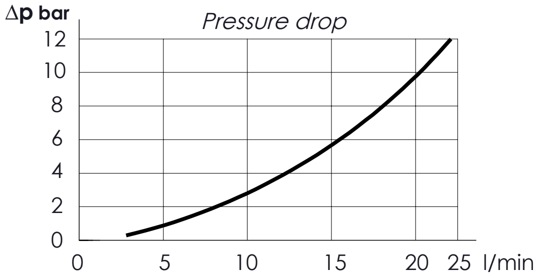
Characteristic curves

Measured with hydraulic fluid ISO-VG46 at 40° ± 5°C

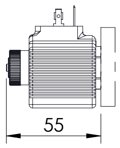
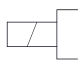
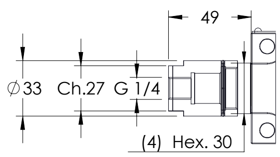
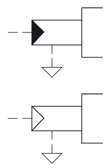
ATLANTIC Fluid Tech

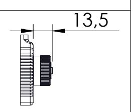
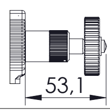
Maximum perfomance

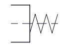
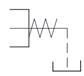




*Internal leakage on C ports : MAX **15** cm3/min - Mineral oil with 32 cStviscosity, at 40° C and 100 bar pressure*

*	OPERATED	Circuit
E	*Electric* 	
N	*Hydraulic/pneumatic* 	
	(4) Hydraulic or pneumatic pilot connector: hex 30 mm - Torque 20-22 Nm *With external drain Pilot Pressure Min. **5** bar* *With internal drain Pilot Pressure is **1/10** of the working pressure*	

*	MANUAL OVERRIDE	
S	*Standard*	
V	*Screw*	
N	*Without manual override*	

*	DRAIN	Circuit
N	*Internal*	
E	*External*	

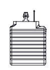
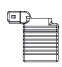
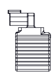
PORTS		
***	Main (C)	Drain (D)
G14	1/4" Gas	1/4" Gas
Other port sizes available		

CIRCUIT

N - *Seals in NBR*
V - *Seals in VITON*

ESCB - 025 - * * A * - ** - *** - * ** *

*	Voltage (V)	Resistance (Ω) ± 7%	Power (W)	Current (A)
-	*Without coil*			
A	12 DC	5,53	26	2,17
B	24 DC	22,1	26	1,08
Other voltages available on request				

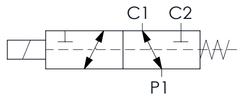
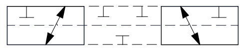
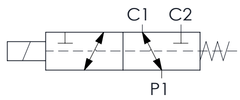
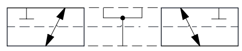
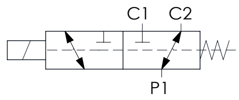
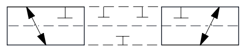
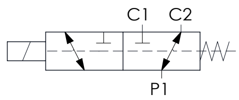
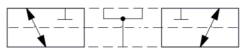
*	COIL		Type	Protection class
-		*Without coil*		
HR		DIN 43650 - ISO 4400 Class H	M14	IP65
AJ		AMP JUNIOR Class H	M14	IP65
DT		DEUTSCH DT04-2P-L Class H	M14	IP69

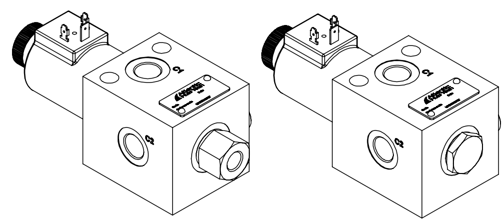
FLOW DIVERTERS

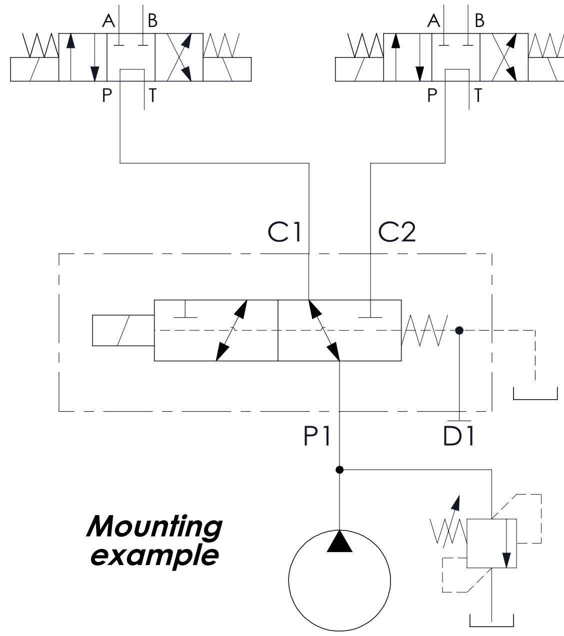
ESCB-050

3 WAYS FLOW DIVERTERS

ATLANTIC Fluid Tech

**	Circuit	Transit position
40		
41		
42		
43		

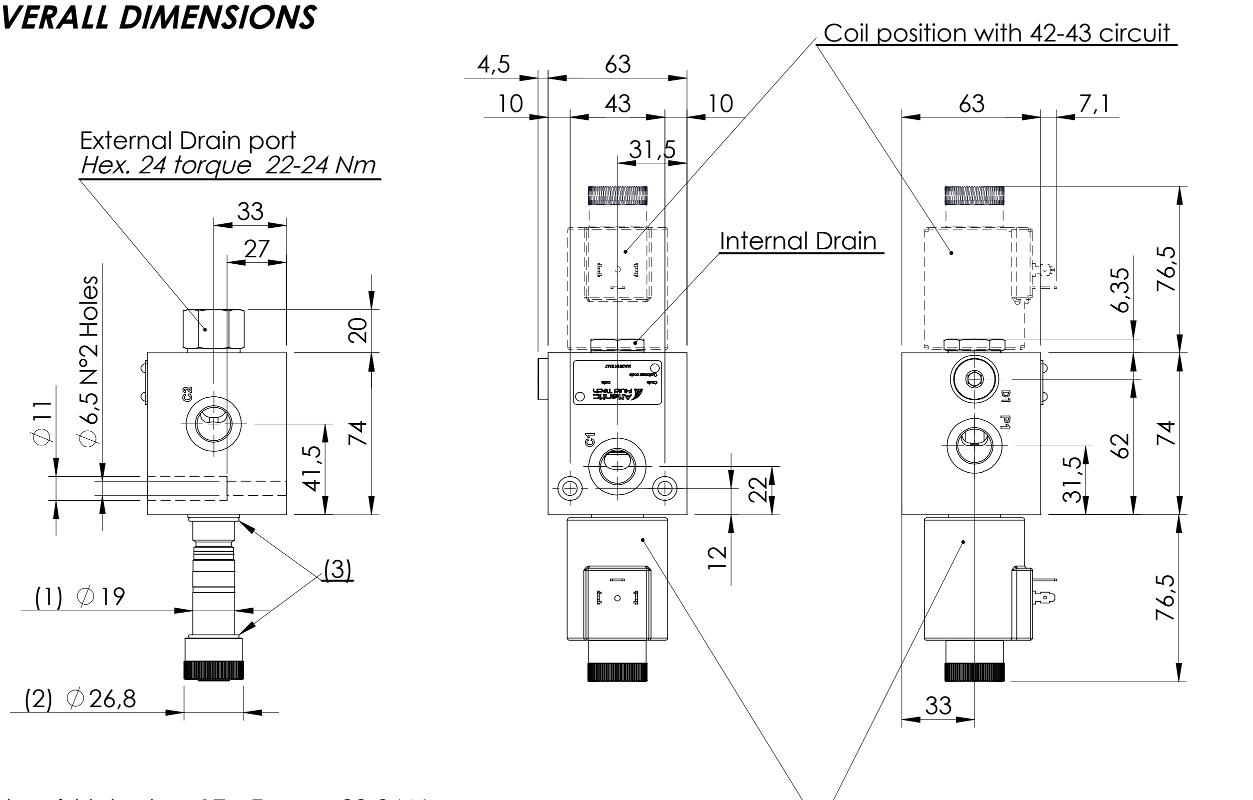




Mounting example

Technical data			
Rated flow		*l/min*	***50***
Operating pressure	*with internal drain "N"*	*bar*	***250***
	with external drain "E"	*bar*	***310***
Valve weight		*Kg*	***2,6***

OVERALL DIMENSIONS

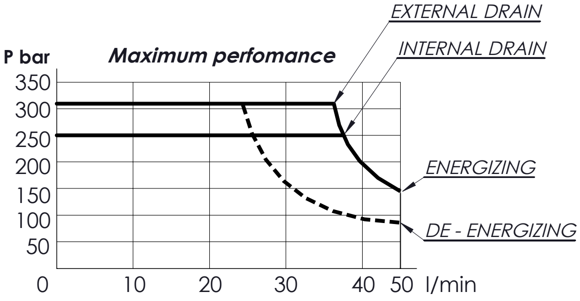


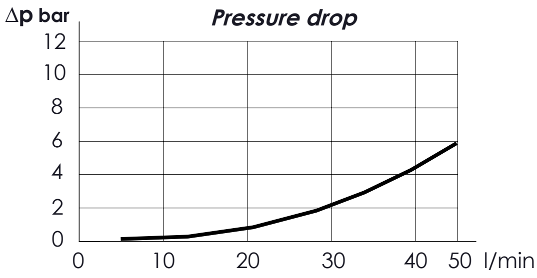
(1) Solenoid tube hex.17 - *Torque 22-24 Nm*
(2) Ring nut for coil locking - *Torque 5-6 Nm*
(3) O-Ring Ø18,77 x1,78

Characteristic curves

Measured with hydraulic fluid ISO-VG46 at 40° ±5°C

ATLANTIC Fluid Tech





*Internal leakage on C ports : MAX **25** cm3/min - Mineral oil with 32 cSt viscosity, at 40° C and 100 bar pressure*

*	OPERATED	Circuit
E	*Electric* (76,5)	
N	*Hydraulic/pneumatic* (49; ∅33; Ch.27; G 1/4; (4) Hex. 30)	
	(4) Hydraulic or pneumatic pilot connector: hex 30 mm - Torque 20-22 Nm *With external drain Pilot Pressure Min. **5** bar* *With internal drain Pilot Pressure is **1/10** of the working pressure*	

*	MANUAL OVERRIDE
S	*Standard* (19)
V	*Screw* (63,6)
N	*Without manual override*

*	DRAIN	Circuit
N	*Internal*	
E	*External*	

PORTS		
* * *	Main (C)	Drain (D)
G38	3/8" Gas	1/4" Gas
Other port sizes available		

CIRCUIT

N - *Seals in NBR*
V - *Seals in VITON*

ESCB - 050 - * * C * - ** - *** - * ** *

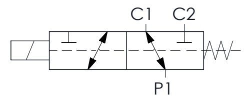
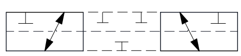
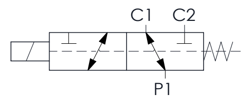
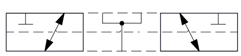
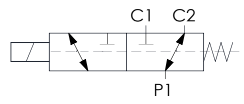
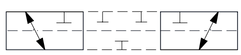
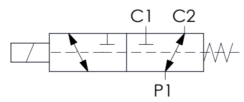
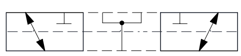
*	Voltage (V)	*Resistance (Ω) ±7%*	*Power (W)*	*Current (A)*
-	*Without coil*			
A	12 DC	4,36	33	2,75
B	24 DC	17,45	33	1,37
Other voltages available on request				

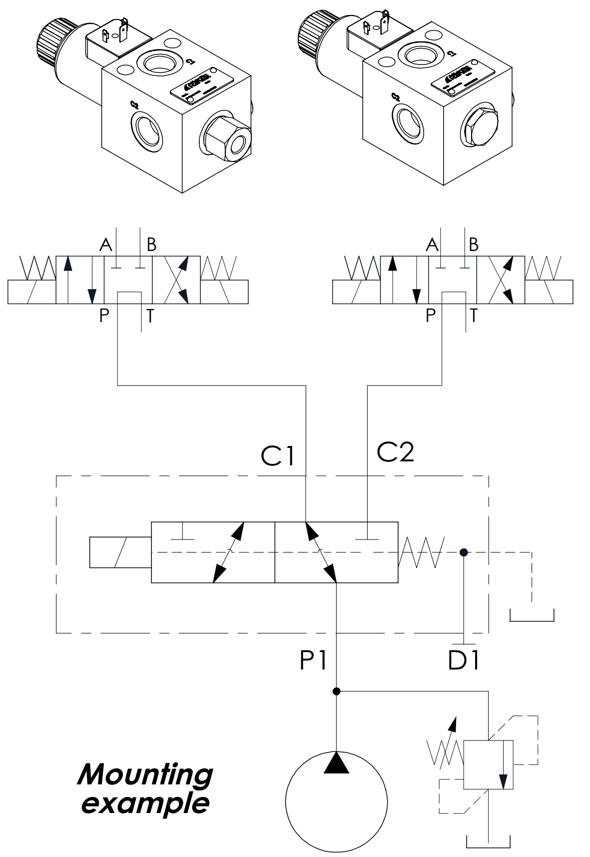
*	*COIL*	*Type*	*Protection class*
-	*Without coil*		
HR	DIN 43650 - ISO 4400 Class H	M8	IP65
AJ	AMP JUNIOR Class H	M8	IP65
DT	DEUTSCH DT04-2P-L Class H	M8	IP69

ESCB-090

3 WAYS FLOW DIVERTERS

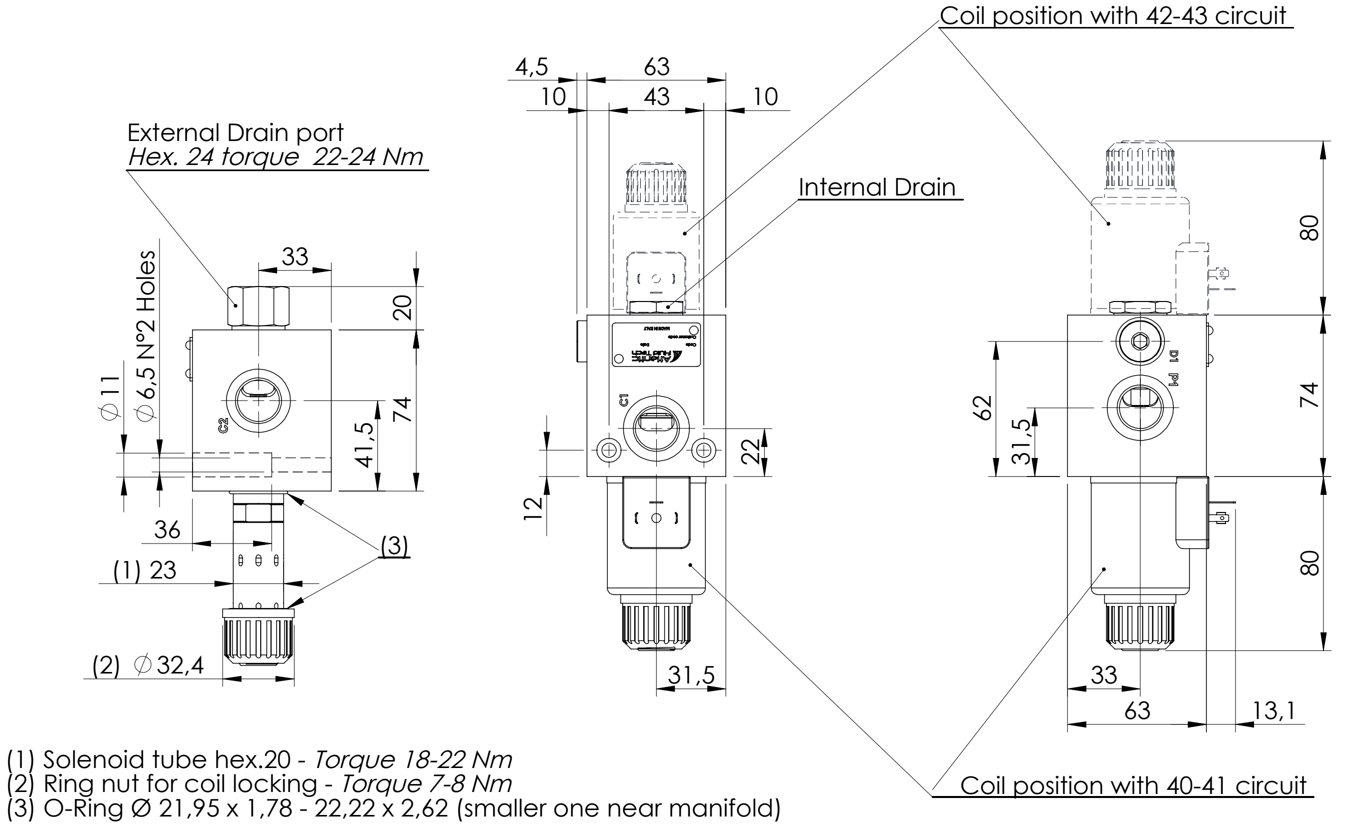
ATLANTIC Fluid Tech

**	Circuit	Transit position
40		
41		
42		
43		



Technical data			
Rated flow		l/min	**90**
Operating pressure	with internal drain "N"	bar	**250**
	with external drain "E"	bar	**310**
Valve weight		Kg	**2,4**

OVERALL DIMENSIONS

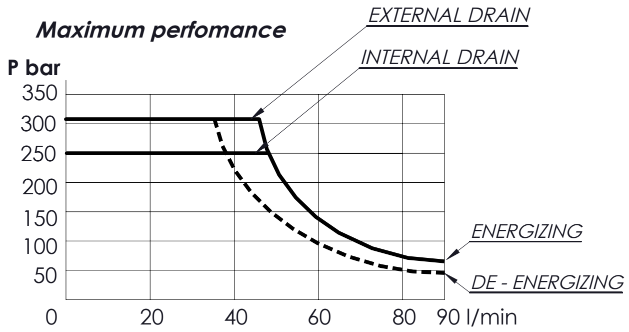


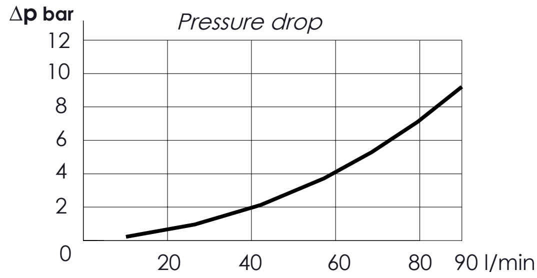
(1) Solenoid tube hex.20 - *Torque 18-22 Nm*
(2) Ring nut for coil locking - *Torque 7-8 Nm*
(3) O-Ring Ø 21,95 x 1,78 - 22,22 x 2,62 (smaller one near manifold)

Characteristic curves

Measured with hydraulic fluid ISO-VG46 at 40° ± 5°C

ATLANTIC Fluid Tech





*Internal leakage on C ports : MAX **25** cm3/min - Mineral oil with 32 cSt viscosity, at 40° C and 100 bar pressure*

*	OPERATED	Circuit
E	*Electric* (80)	
N	*Hydraulic/pneumatic* (49; ∅33 Ch.27 G 1/4; (4) Hex. 30)	
	(4) Hydraulic or pneumatic pilot connector: hex 30 mm - Torque 20-22 Nm *With external drain Pilot Pressure Min. **5** bar* *With internal drain Pilot Pressure is **1/10** of the working pressure*	

*	MANUAL OVERRIDE
S	*Standard* (26)
V	*Screw* (69,2)
N	*Without manual override*

*	DRAIN	Circuit
N	*Internal*	
E	*External*	

PORTS		
* * *	Main (C)	Drain (D)
G12	1/2" Gas	1/4" Gas
Other port sizes available		

CIRCUIT

N - *Seals in NBR*
V - *Seals in VITON*

ESCB - 090 - * * E * - ** - *** - * ** *

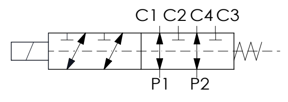
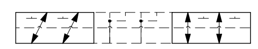
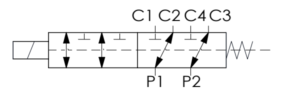
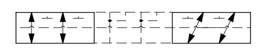
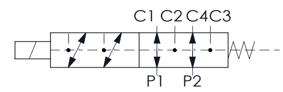
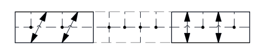
*	Voltage (V)	*Resistance (Ω) ± 7%*	*Power (W)*	*Current (A)*
-	*Without coil*			
A	12 DC	3,27	44	3,67
B	24 DC	13,09	44	1,83
Other voltages available on request				

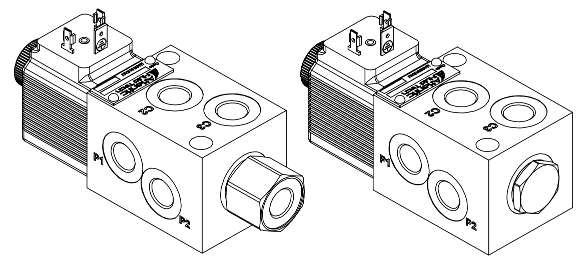
*	*COIL*	*Type*	*Protection class*
-	*Without coil*		
HR	DIN 43650 - ISO 4400 Class H	M11	IP65
AJ	AMP JUNIOR Class H	M11	IP65
DT	DEUTSCH DT04-2P-L Class H	M11	IP69

ELFB-025

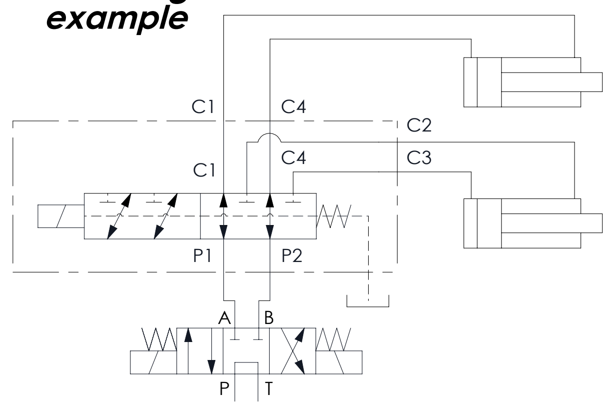
6 WAYS SINGLE IN LINE FLOW DIVERTERS

ATLANTIC Fluid Tech

**	Circuit	Transit position
01		
02		
03	 *Only external drain	

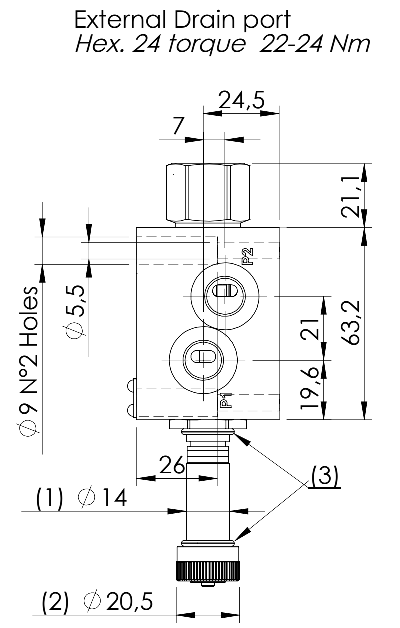


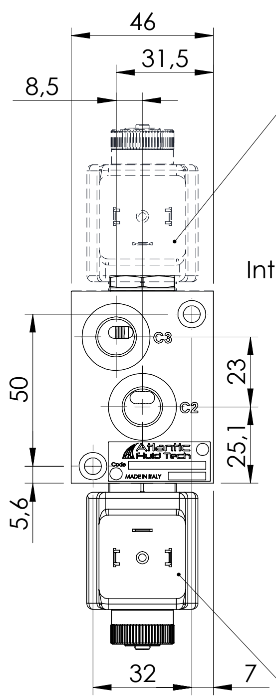
Mounting example

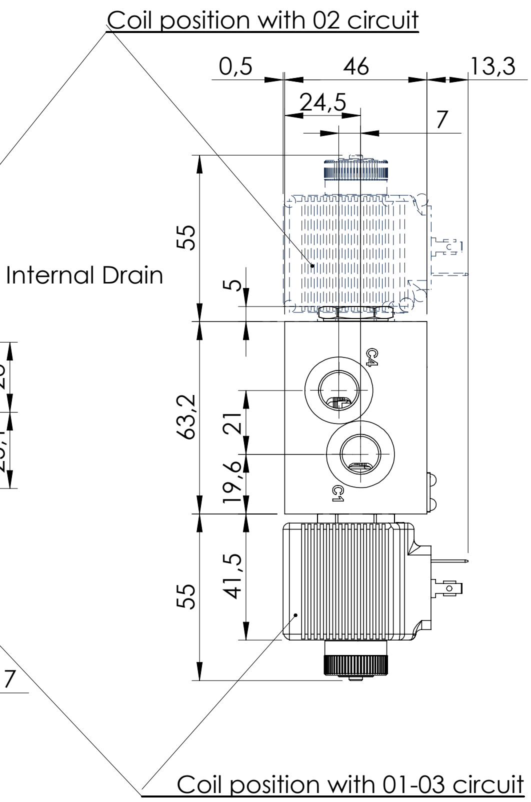


Technical data			
Rated flow		*l/min*	***25***
Operating pressure	*with internal drain "N"*	*bar*	***250***
	with external drain "E"	*bar*	***310***
Valve weight		*Kg*	***1,1***

OVERALL DIMENSIONS



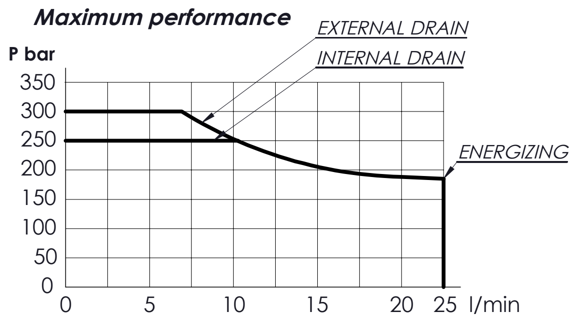


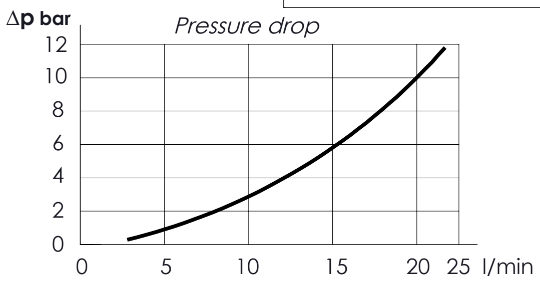


(1) Solenoid tube hex.17 - *Torque 22-24 Nm*
(2) Ring nut for coil locking - *Torque 5-6 Nm*
(3) O-Ring Ø 14,00 x 1,78

Characteristic curves

Measured with hydraulic fluid ISO-VG46 at 40° ± 5°C





*Internal leakage on C ports : MAX **15** cm3/min Mineral oil with 32 cSt viscosity, at 40° C and 100 bar pressure*

*	OPERATED	Circuit
E	*Electric* (55)	
N	*Hydraulic/pneumatic* (49; ∅33 Ch.27 G 1/4; (4) Hex. 30)	
	(4) Hydraulic or pneumatic pilot connector: hex 30 mm - Torque 20-22 Nm *With external drain Pilot Pressure Min.* ***5*** *bar* *With internal drain Pilot Pressure is* ***1/10*** *of the working pressure*	

*	MANUAL OVERRIDE
S	*Standard* (13,5)
V	*Screw* (53,1)
N	*Without manual override*

*	DRAIN	Circuit
N	*Internal*	
E	*External*	

PORTS		
* * *	Main (C)	Drain (D)
G14	1/4" Gas	1/4" Gas
Other port sizes available		

N - *Seals in NBR*
V - *Seals in VITON*

CIRCUIT

ELFB - 025 - * * A * - ** - * - * ** ***

*	Voltage (V)	*Resistance (Ω) ± 7%*	*Power (W)*	*Current (A)*
-	*Without coil*			
A	12 DC	5,53	26	2,17
B	24 DC	22,1	26	1,08
Other voltages available on request				

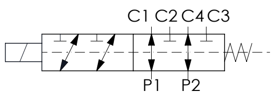
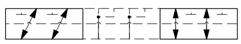
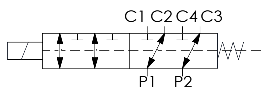
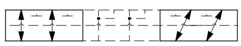
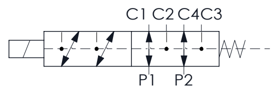
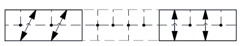
*	*COIL*	*Type*	*Protection class*
-	*Without coil*		
HR	DIN 43650 - ISO 4400 Class H	M14	IP65
AJ	AMP JUNIOR Class H	M14	IP65
DT	DEUTSCH DT04-2P-L Class H	M14	IP69

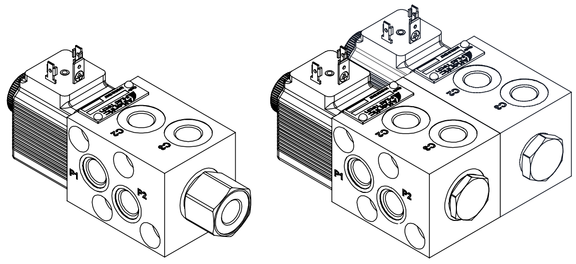
FLOW DIVERTERS

ESFB-025

6 WAYS SINGLE & BANKABLE FLOW DIVERTERS

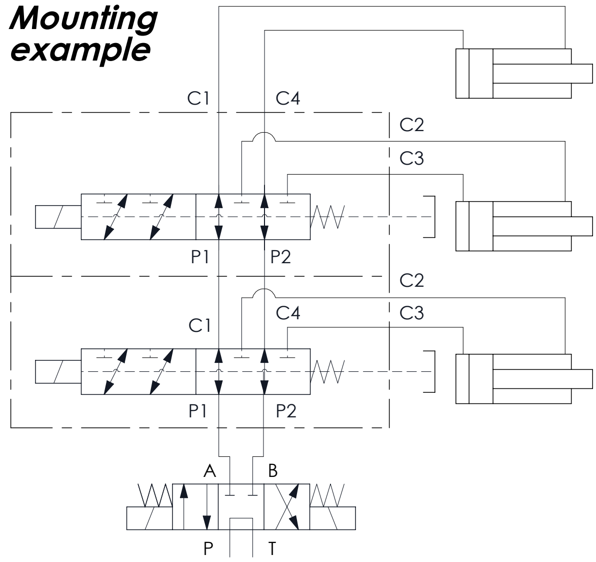
ATLANTIC Fluid Tech

**	Circuit	Transit position
01		
02		
03	 *Only external drain	

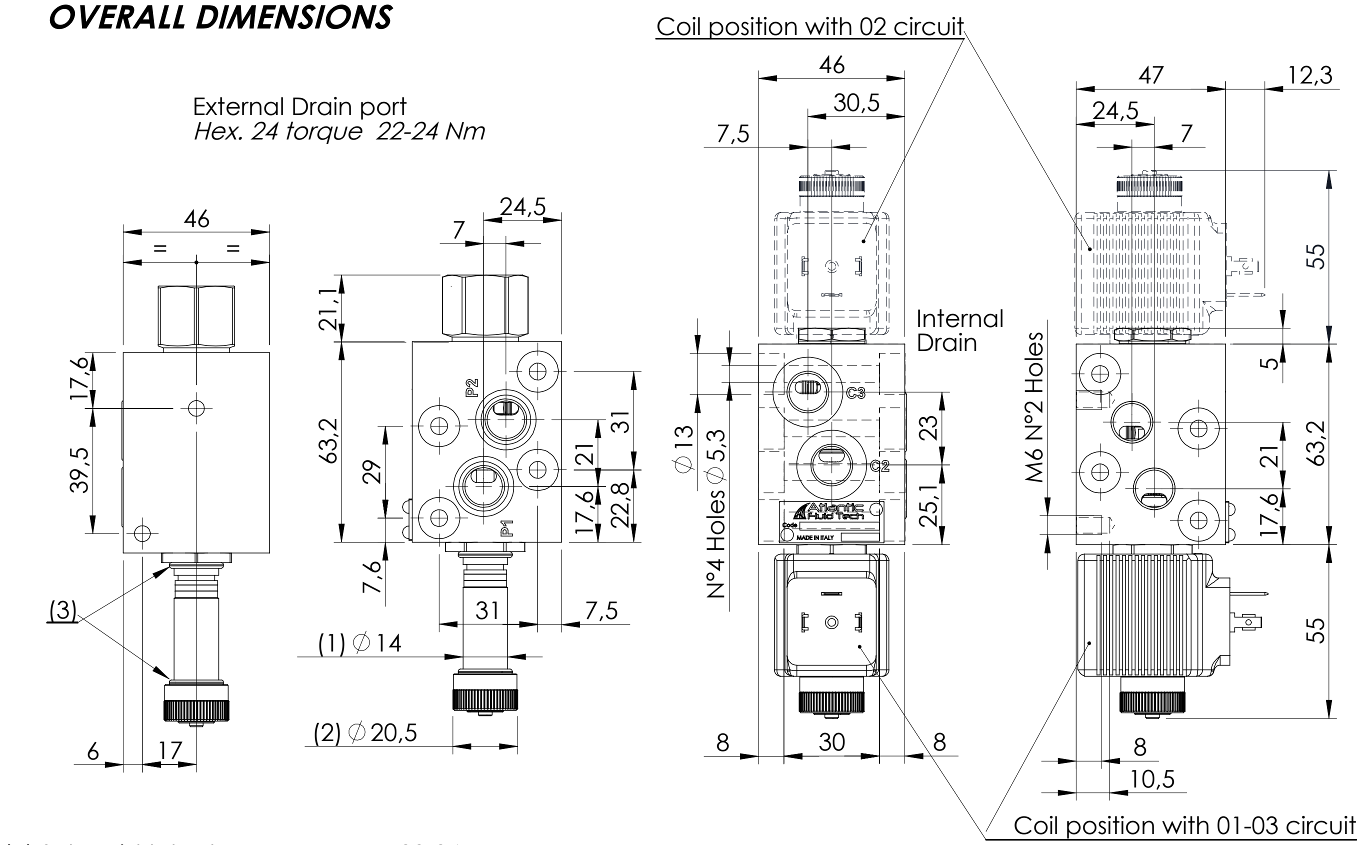


Technical data			
Rated flow		*l/min*	***25***
Operating pressure	*with internal drain "N"*	*bar*	***250***
	with external drain "E"	*bar*	***310***
Valve weight		*Kg*	***1***

Mounting example



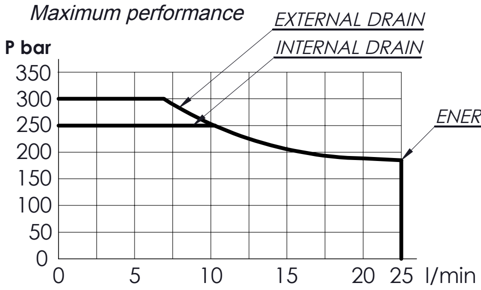
OVERALL DIMENSIONS

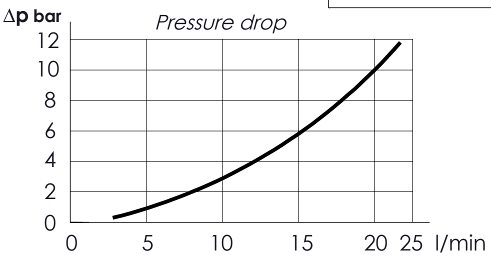


(1) Solenoid tube hex.17 - *Torque 22-24 Nm*
(2) Ring nut for coil locking - *Torque 5-6 Nm*
(3) O-Ring Ø 14,00 x 1,78

Characteristic curves

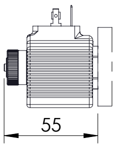
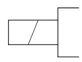
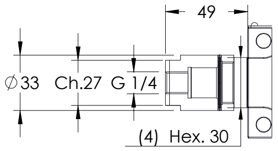
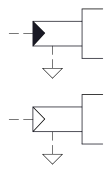
Measured with hydraulic fluid ISO-VG46 at 40° ± 5°C

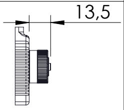
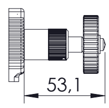


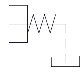


ATLANTIC Fluid Tech

*Internal leakage on C ports : MAX **15** cm3/min Mineral oil with 32 cSt viscosity, at 40° C and 100 bar pressure*

*	OPERATED	Circuit
E	*Electric* 	
N	*Hydraulic/pneumatic* 	
	(4) Hydraulic or pneumatic pilot connector: hex 30 mm - Torque 20-22 Nm *With external drain Pilot Pressure Min. **5** bar* *With internal drain Pilot Pressure is **1/10** of the working pressure*	

*	MANUAL OVERRIDE	
S	*Standard*	
V	*Screw*	
N	*Without manual override*	

*	DRAIN	Circuit
N	*Internal*	
E	*External*	

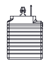
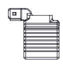
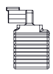
PORTS		
* * *	Main (C)	Drain (D)
G14	1/4" Gas	1/4" Gas
Other port sizes available		

N - *Seals in NBR*
V - *Seals in VITON*

CIRCUIT

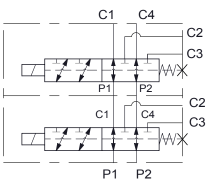
ESFB - 025 - * * A * - ** - *** - * ** * **

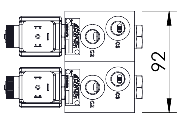
*	Voltage (V)	*Resistance (Ω) ± 7%*	*Power (W)*	*Current (A)*
-	*Without coil*			
A	12 DC	5,53	26	2,16
B	24 DC	22,1	26	1,08
Other voltages available on request				

*	*COIL*	*Type*	*Protection class*
-	*Without coil*		
HR	 DIN 43650 - ISO 4400 Class H	M14	IP65
AJ	 AMP JUNIOR Class H	M14	IP65
DT	 DEUTSCH DT04-2P-L Class H	M14	IP69

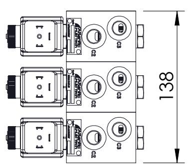
TYPE OF MOUNTING

*	*Port number*	*Screw Tie rods*	*Installation torque*
-	*6*	-	-
08	*8*	*M5x92*	*5-6 Nm*
10	*10*	*M5x138*	*5-6 Nm*
12	*12*	*M5x184*	*5-6 Nm*
14	*14*	-	-

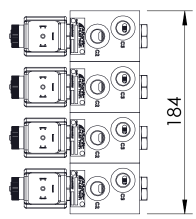




8 ports



10 ports

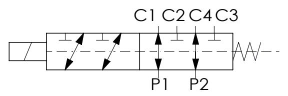
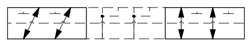
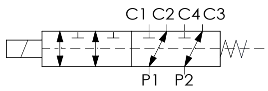
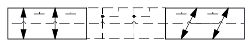
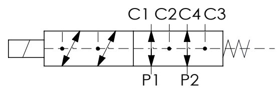
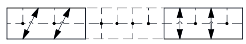


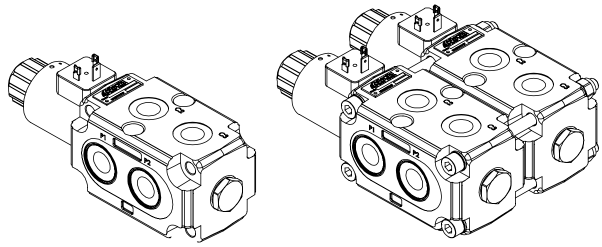
12 ports

ESFB-050

6 WAYS SINGLE & BANKABLE FLOW DIVERTERS

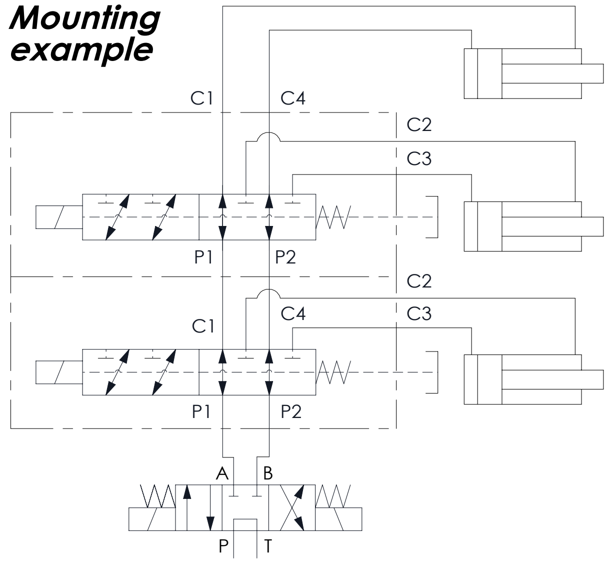
ATLANTIC Fluid Tech

**	Circuit	Transit position
01		
02		
03	 *Only external drain	

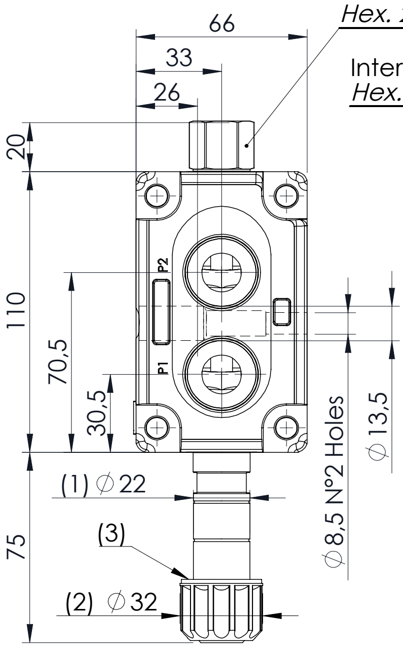


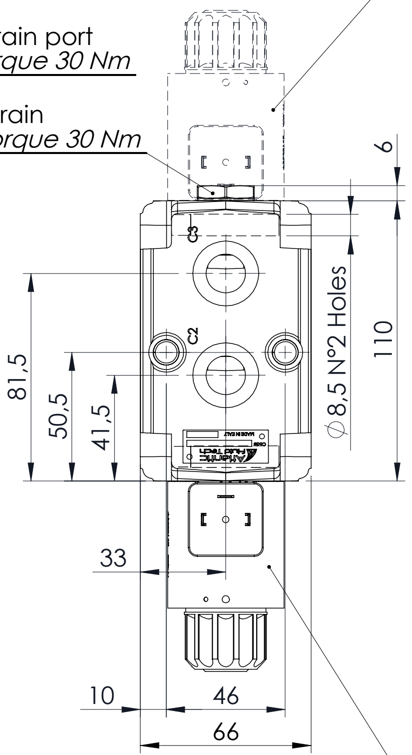
Technical data			
Rated flow		*l/min*	***50***
Operating pressure	*with internal drain "N"*	*bar*	***250***
	with external drain "E"	*bar*	***350***
	on port D	*bar*	***210***
Valve weight		*Kg*	***3,8***

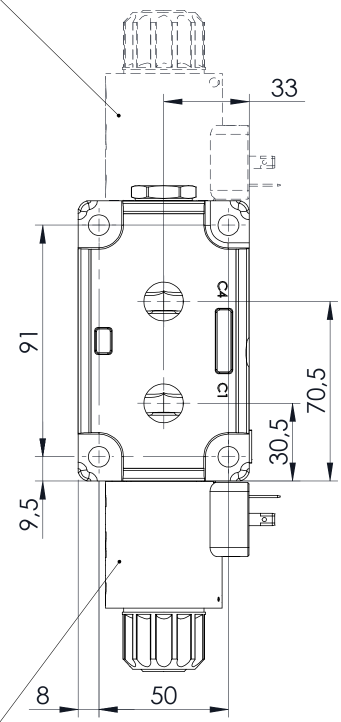
Mounting example



OVERALL DIMENSIONS





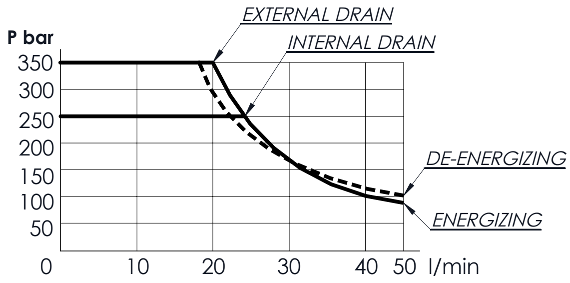


(1) Solenoid tube hex.19 - *Torque 30 Nm*
(2) Ring nut for coil locking - *Torque 5-6 Nm*
(3) O-Ring Ø 21,5 x 2

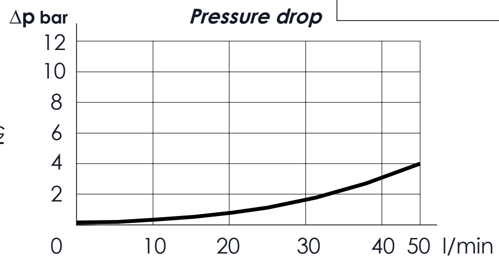
Characteristic curves

Measured with hydraulic fluid ISO-VG46 at 40° ± 5°C

Maximum perfomance

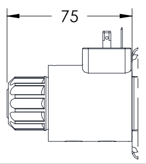
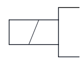
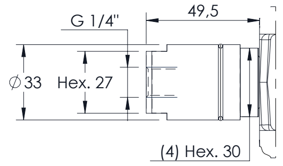
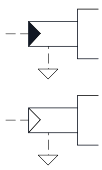


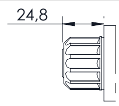
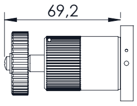
Pressure drop

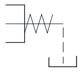


ATLANTIC Fluid Tech

*Internal leakage on C ports : MAX **25** cm3/min Mineral oil with 32 cSt viscosity, at 40° C and 100 bar pressure*

*	OPERATED	Circuit
E	*Electric* 	
N	*Hydraulic/pneumatic* 	
	(4) Hydraulic or pneumatic pilot connector: hex 30 mm - Torque 20-22 Nm *With external drain Pilot Pressure Min. **5** bar* *With internal drain Pilot Pressure is **1/10** of the working pressure*	

*	MANUAL OVERRIDE
S	*Standard* 
V	*Screw* 
N	*Without manual override*

*	DRAIN	Circuit
N	*Internal*	
E	*External*	

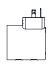
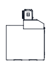
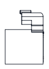
* * *	Main (C)	Drain (D)
	PORTS	
G38	3/8" Gas	1/4" Gas
J38	3/8" JIS	1/4" JIS
S08	3/4-16 UNF	7/16-20 UNF
Other port sizes available		

CIRCUIT

N - *Seals in NBR*
V - *Seals in VITON*

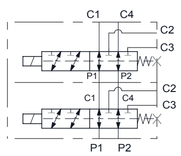
ESFB - 050 - * * D * - ** - *** - * ** * **

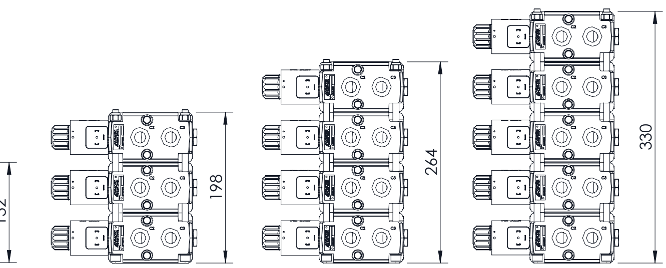
*	Voltage (V)	*Resistance (Ω) ± 7%*	*Power (W)*	*Current (A)*
-	*Without coil*			
A	12 DC	4,41	32,7	2,72
B	24 DC	18,6	31	1,29
Other voltages available on request				

*	*COIL*		*Type*	*Protection class*
-	*Without coil*			
HR		DIN 43650 - ISO 4400 Class H	M12	IP65
AJ		AMP JUNIOR Class H	M12	IP65
DT		DEUTSCH DT04-2P-L Class H	M12	IP69

TYPE OF MOUNTING

*	*Port number*	*Screw Tie rods*	*Installation torque*
-	*6*	-	-
08	*8*	*M8x125*	*15-17 Nm*
10	*10*	*M8x190*	*15-17 Nm*
12	*12*	*M8x255*	*15-17 Nm*
14	*14*	*M8x320*	*15-17 Nm*



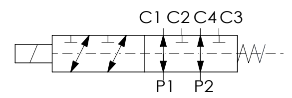
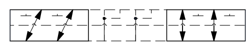
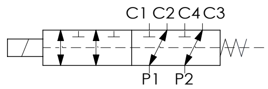
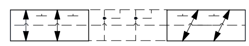
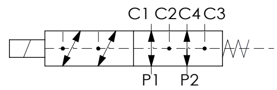
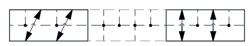


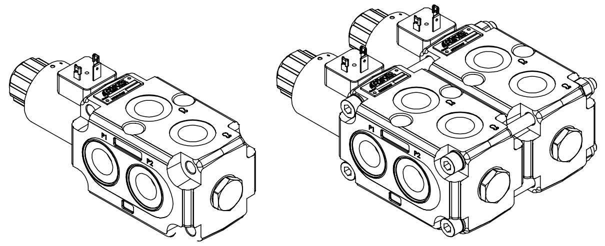
8 ports 10 ports 12 ports 14 ports

FLOW DIVERTERS

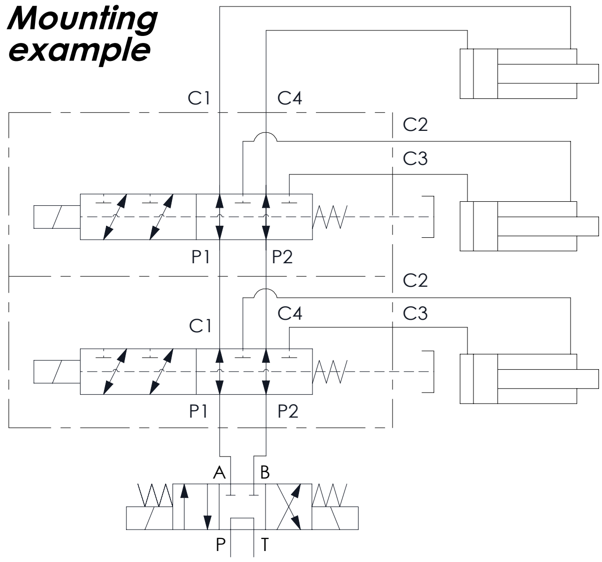
ESFB-100

6 WAYS SINGLE & BANKABLE FLOW DIVERTERS

**	Circuit	Transit position
01		
02		
03	 *Only external drain	

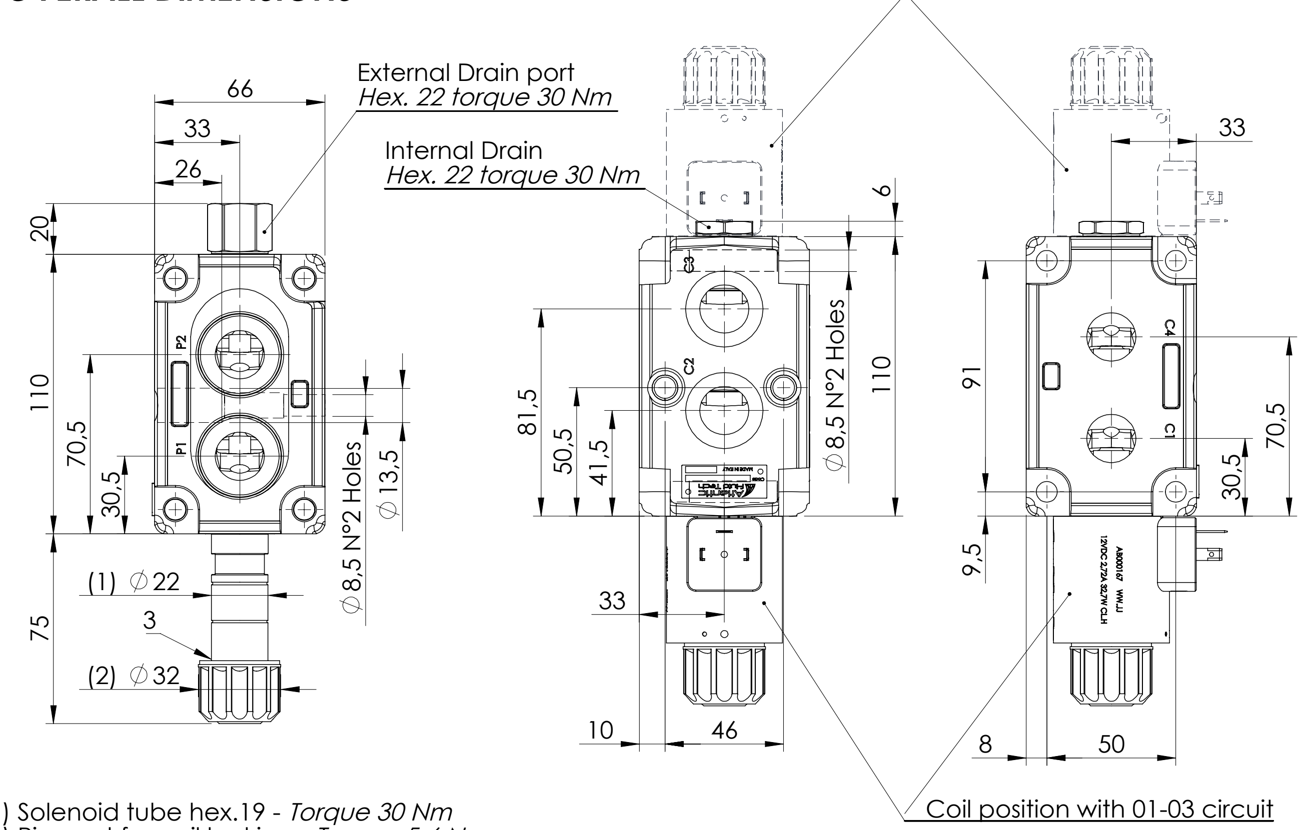


Mounting example



Technical data			
Rated flow		*l/min*	***100***
Operating pressure	*with internal drain "N"*	*bar*	***250***
	with external drain "E"	*bar*	***350***
	on port D	*bar*	***210***
Valve weight		*Kg*	***3,8***

OVERALL DIMENSIONS

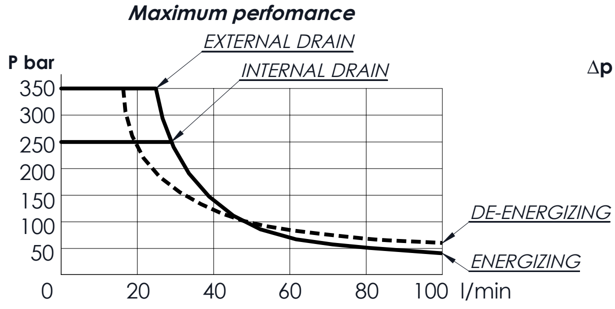


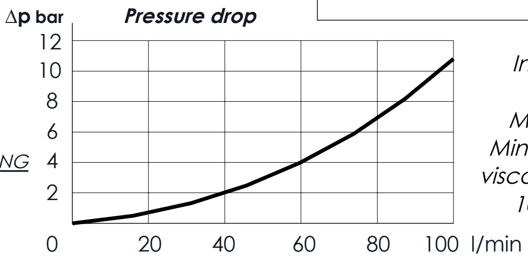
(1) Solenoid tube hex.19 - *Torque 30 Nm*
(2) Ring nut for coil locking - *Torque 5-6 Nm*
(3) O-Ring Ø 21,5 x 2

Characteristic curves

Measured with hydraulic fluid ISO-VG46 at 40° ± 5°C

ATLANTIC Fluid Tech





*Internal leakage on C ports : MAX **25** cm3/min Mineral oil with 32 cSt viscosity, at 40° C and 100 bar pressure*

*	OPERATED	Circuit
E	*Electric* (75)	
N	*Hydraulic/pneumatic* (49,5; G 1/4"; Ø33; Hex. 27; (4) Hex. 30)	
	(4) Hydraulic or pneumatic pilot connector: hex 30 mm - Torque 20-22 Nm *With external drain Pilot Pressure Min. **5** bar* *With internal drain Pilot Pressure is **1/10** of the working pressure*	

*	MANUAL OVERRIDE
S	*Standard* (24,8)
V	*Screw* (69,2)
N	*Without manual override*

*	DRAIN	Circuit
N	*Internal*	
E	*External*	

PORTS		
***	Main (C)	Drain (D)
G12	1/2" Gas	1/4" Gas
J12	1/2" JIS	1/4" JIS
S10	7/8-14 UNF	7/16-20 UNF
Other port sizes available		

N - *Seals in NBR*
V - *Seals in VITON*

CIRCUIT

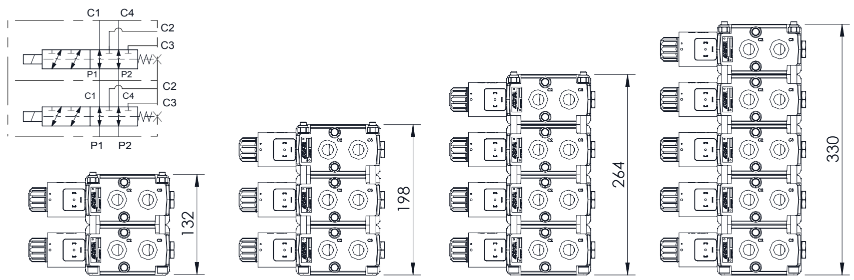
ESFB - 100 - * * D * - ** - *** - * ** * **

*	Voltage (V)	*Resistance (Ω) ± 7%*	*Power (W)*	*Current (A)*
-	*Without coil*			
A	12 DC	4,41	32,7	2,72
B	24 DC	18,6	31	1,29
Other voltages available on request				

*	*COIL*	*Type*	*Protection class*
-	*Without coil*		
HR	DIN 43650 - ISO 4400 Class H	M12	IP65
AJ	AMP JUNIOR Class H	M12	IP65
DT	DEUTSCH DT04-2P-L Class H	M12	IP69

TYPE OF MOUNTING

*	*Port number*	*Screw Tie rods*	*Installation torque*
-	*6*	-	-
08	*8*	*M8x125*	*15-17 Nm*
10	*10*	*M8x190*	*15-17 Nm*
12	*12*	*M8x255*	*15-17 Nm*
14	*14*	*M8x320*	*15-17 Nm*

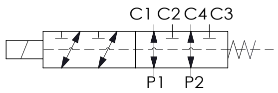
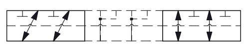


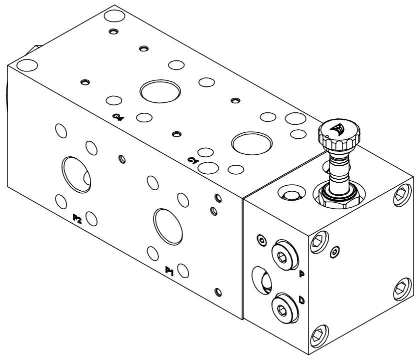
8 ports 10 ports 12 ports 14 ports

ELFB-400

6 WAYS SINGLE IN LINE FLOW DIVERTERS

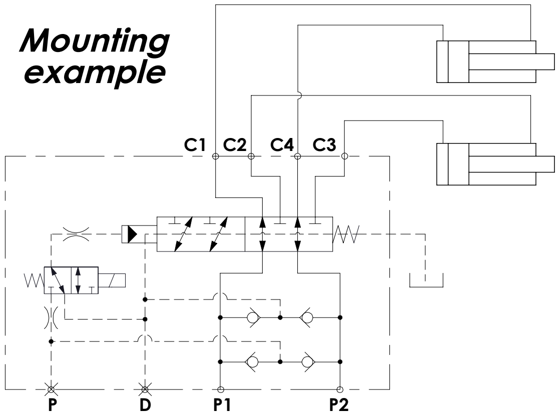
ATLANTIC Fluid Tech

**	Circuit	Transit position
01		

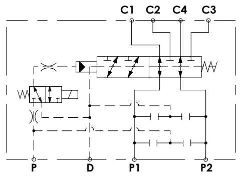


Technical data			
Rated flow		l/min	**400**
Operating pressure	with internal drain "N"	bar	**210**
	with external drain "E"	bar	**420**
Minimum pilot pressure		bar	**20**
Valve weight		Kg	**17,2**
Standard Ports		1" SAE 6000	

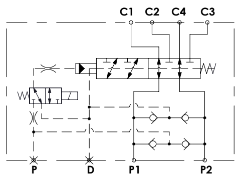
Mounting example



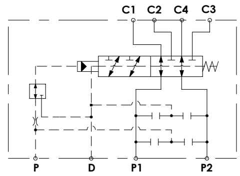
OVERALL DIMENSIONS



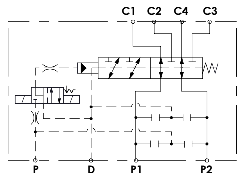
Configuration with external drain and electric pilot



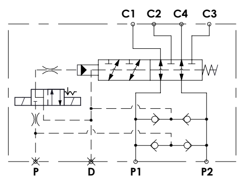
Configuration with internal drain and electric pilot



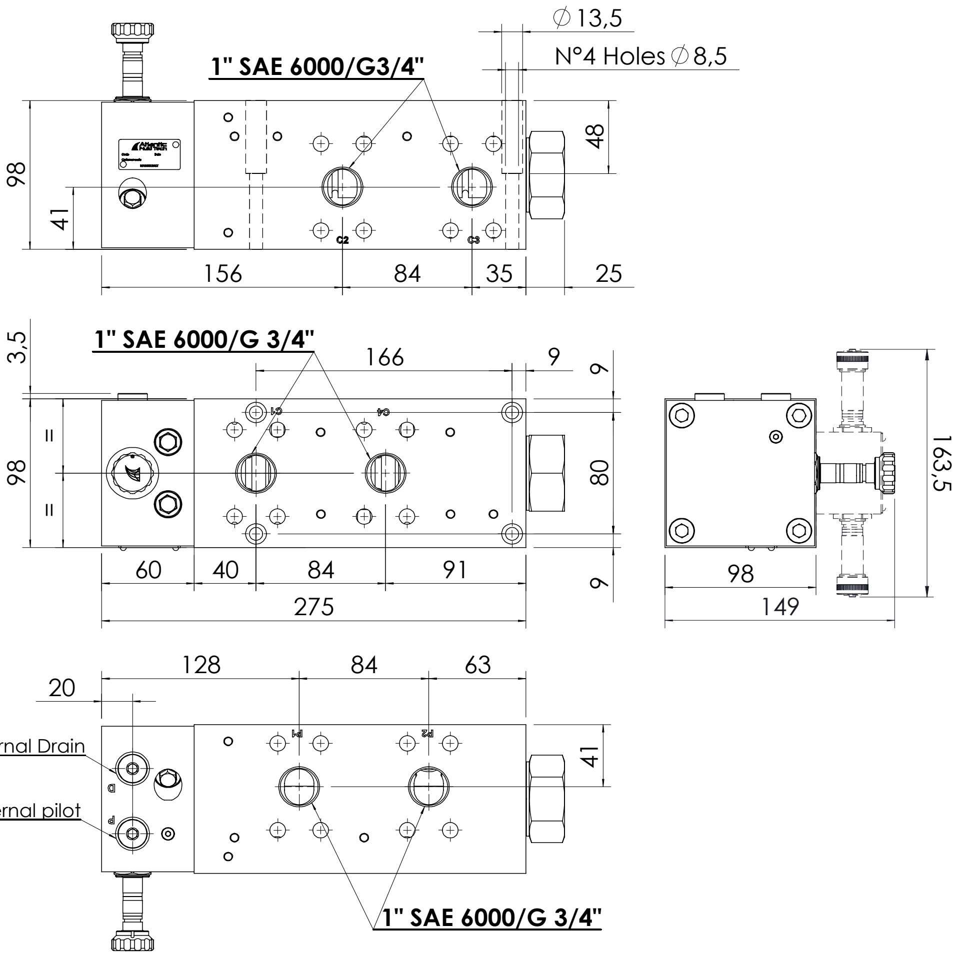
Configuration with external drain and hydraulic pilot



Configuration with external drain and electric pilot with detent

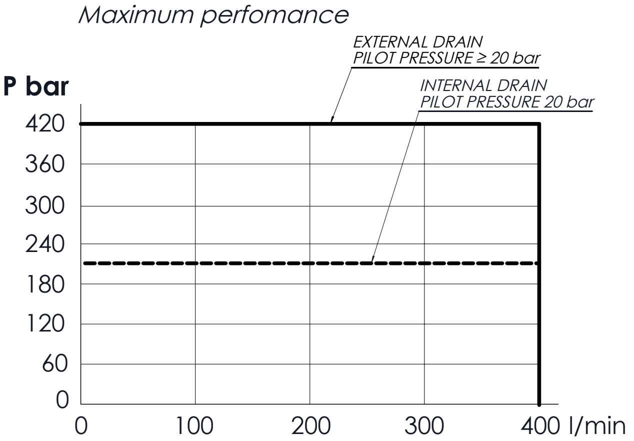


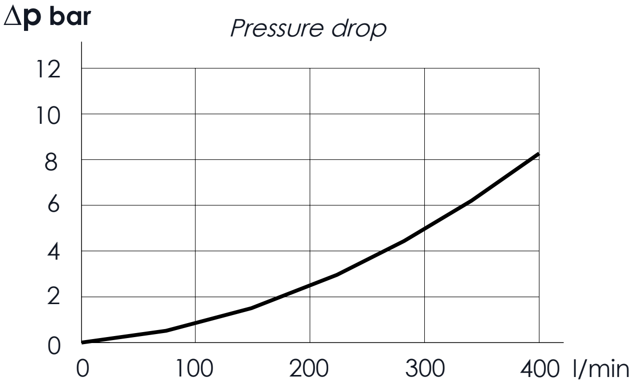
Configuration with internal drain and eletric pilot with detent



Characteristic curves

With pressure and flow in P1 or P2 and C4 and C1 without pressure





*	OPERATED	Circuit
H	*Hydraulic*	
E	*Electric* (51)	
D	*Electric with detent* (44)	a b
Max. pilot pressure with external drain: **250** bar		

*	DRAIN	Circuit
N	*Internal*	
E	*External*	

*	COIL	Type	Protection class
-	*Without coil*		
HR	DIN 43650 - ISO 4400 Class H	M7	IP65
AJ	AMP JUNIOR Class H	M7	IP65
DT	DEUTSCH DT04-2P-L Class H	M7	IP69

PORTS		
* * *	Main (C)	Drain (D) Pilot (P)
S10 G34	1" SAE 6000 G3/4"	1/4" Gas
Special port sizes available		

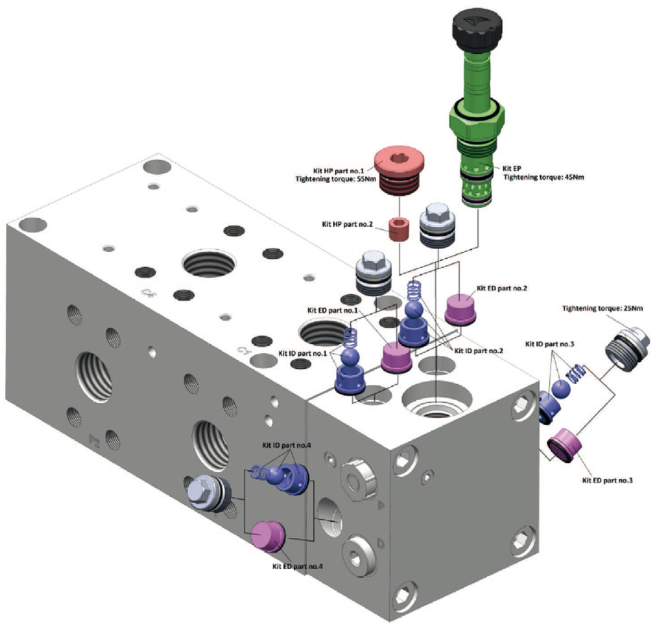
CIRCUIT

V - *Seals in VITON*

ELFB - 400 - * S F * - 01 - *** - * ** *

*	Voltage (V)	*Resistance (Ω) ± 7%*	*Power (W)*	*Current (A)*
-	*Without coil*			
A	12 DC	7,2	20	1,67
B	24 DC	28,7	20	0,84
Special voltages available on request				

KIT	Type		Ordering code
HP	Hydraulic pilot		RG100032
EP	Electrical pilot		CE000824
ID	Internal drain		RG100033
ED	External drain		RG100034

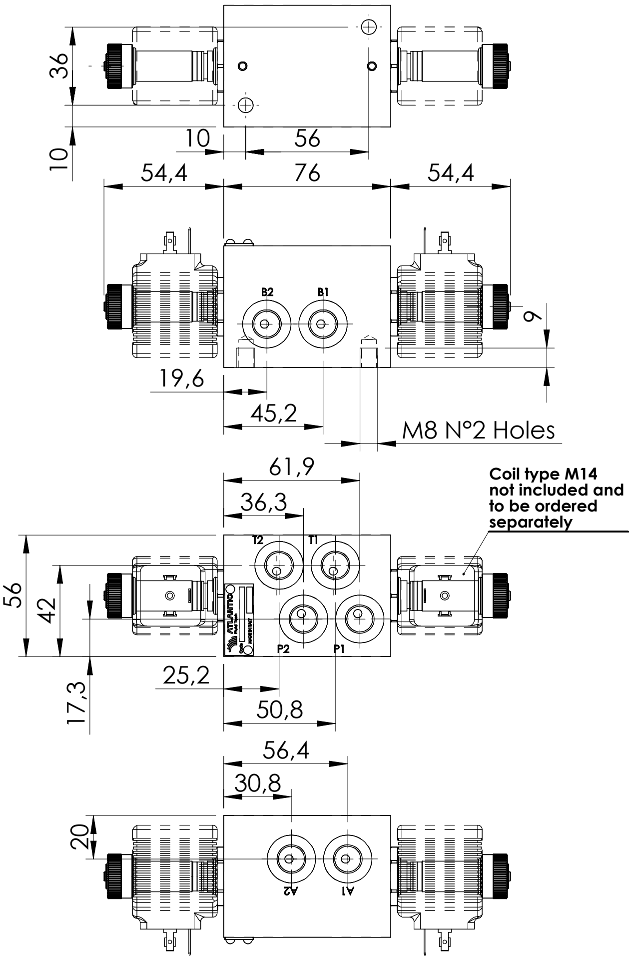


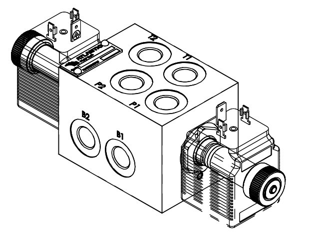
EXCAVATORS VALVE

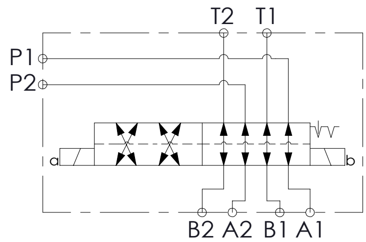
ELHB-010-DSGN

8 WAYS WITH DETENT

ATLANTIC Fluid Tech

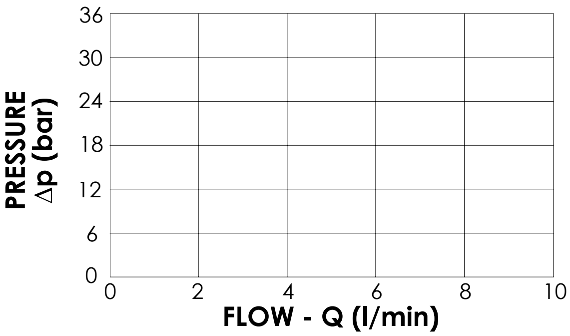






SPECIFICATIONS

Max. operating pressure:	**210 bar**
Rated flow:	**10 l/min**
Body:	**Cast Iron**
Weight:	**1,82 kg**
Coil type:	**M14 type**



NOTES

See the chapter 18.00.000 for coil.

ORDERING CODES

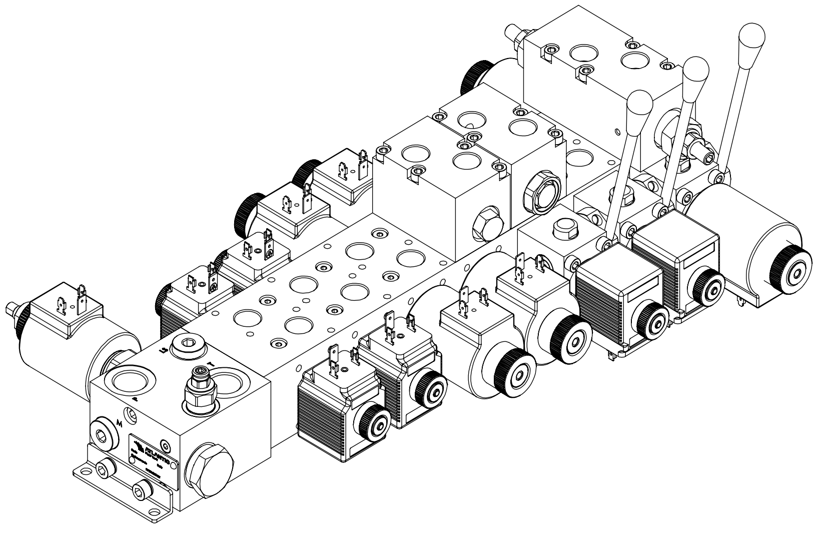
Quick code	Description	Ports size	
ES000390	**ELHB-010-DSGN-39-G14-N**	**G 1/4"**	

DIRECTIONAL VALVES

EB series

MONOBLOCK ON-OFF OR PROPORTIONAL

ATLANTIC Fluid Tech



FEATURES

- Compact dimensions
- Low weight
- Custom spools
- Custom inlet blocks
- Sandwich valves for extra functions
- Cast iron monoblock and aluminum inlet block for standard applications
- High resistance cast iron monoblock and steel inlet block for high pressure systems
- Optional levers for manual operation
- No leak risk between sections
- Spools not under rod tension
- Zinc plated/anodized components for corrosion resistance

SPECIFICATION\DESCRIPTION

MAXIMUM OPERATING PRESSURE	Steel inlet block: 320 bar (4500 PSI) Aluminium inlet block: 210 bar (3045 PSI)
MAXIMUM TANK PRESSURE	20 bar (290 PSI)
RATED FLOW	030 series: 30 l/min (7.9 GPM) 060 series: 60l/min (15.8 GPM)
COIL POWER	030 series: 26 W 060 series: 33 W
VOLTAGE	12 VDC, 24 VDC, others on request
COIL CONNECTOR	DIN43650, AMP Junior, Deutsch DT04-2P
PORTS	Inlet: G1/2", 1/2 JiS, 7/8-14 UNF-2B (SAE#10) Outlet: G3/8",3/8 JIS, 3/4-16 UNF-2B (SAE#8)
OPERATING TEMPERATURE	NBR (ISO 1629) seals: -30, + 80 °C FKM (ISO 1629) seals: -20, +110 °C
FILTRATION	ISO 4406:1999: class 19/17/14 NAS 1638: class 8
MOUNTING POSITION	No restrictions
MATERIAL	Spool body: cast iron Spool: hardened and grounded steel Inlet block: Aluminium or steel
SURFACE TREATMENT	Steel: zinc plating Aluminium: anodization

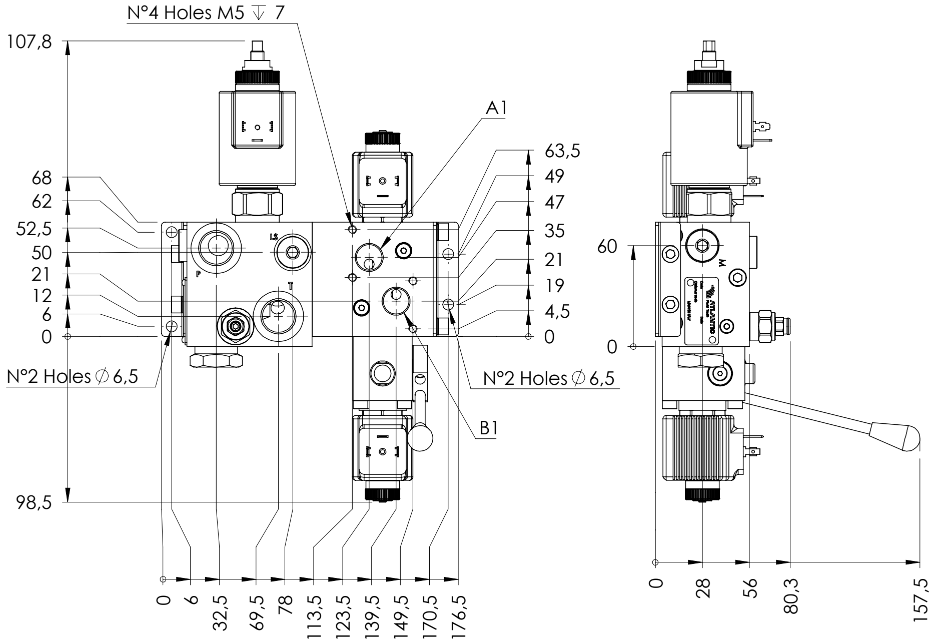
EB series is a new valve that has innovative features in terms of performance, dimension, manufacturing reliability and customization. The valve consists in an inlet block flanged to a monoblock with spools. This construction gives the advantages of high flexibility in inlet block schemes, combined with the reliability and simplicity of monoblock spool valve construction, eliminating the risk of spools blocking due to overtightening of tie rods or the risk of leakage between sections. The spool monoblock is a 2 or 3 position, 4 ways, direct acting solenoid operated type. All sections have threaded ports at the top and removable plugs for tank connections to allow the installation of flanged blocks with additional functions like crossover reliefs, reliefs to tank, relief and anticavitations, counterbalance valves, P.O. checks, flow restrictors and flow regulators. All sections are equipped with standard push button override and they can be equipped with lever for manual use.

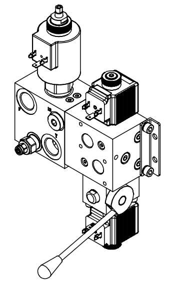
HOW ORDER IT

To order a special assembled block, contact AFT sales.

DIRECTIONAL VALVE

EBNE-030-PALN



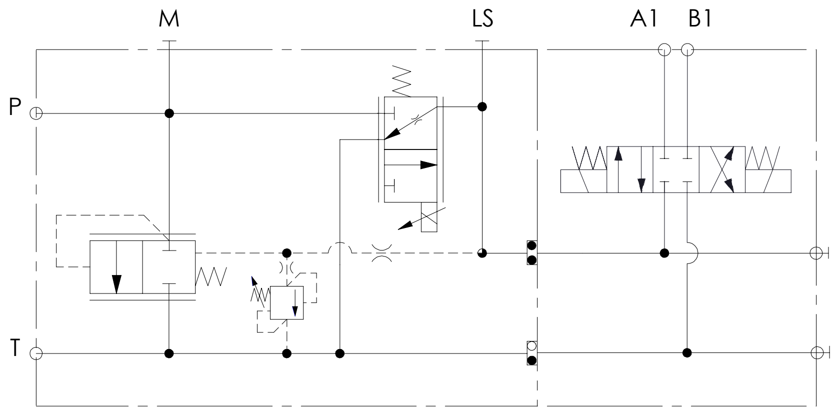


SPECIFICATIONS

Max. operating pressure:	**210 bar**
Rated flow:	**30 l/min**
Manifold:	**Cast-iron**
Weight:	**4 kg**

NOTES

For more informations see the chapter 19.00.000



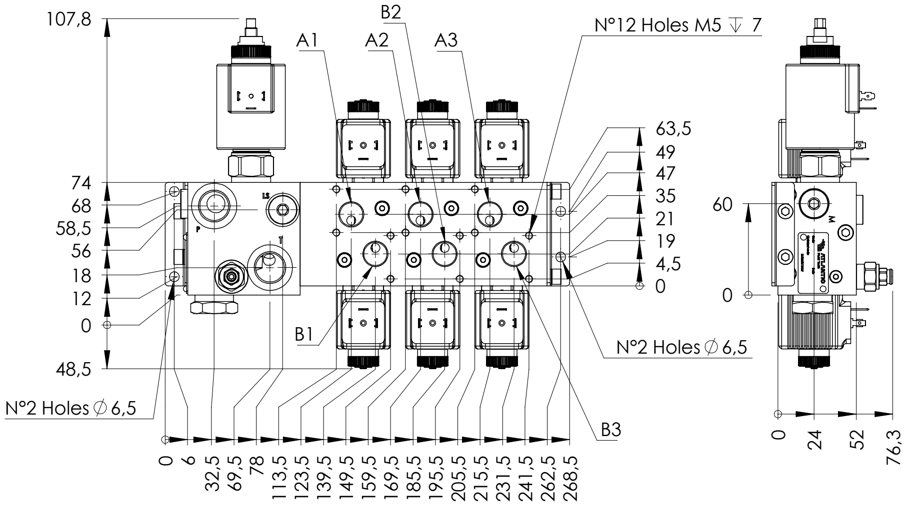
ORDERING CODES

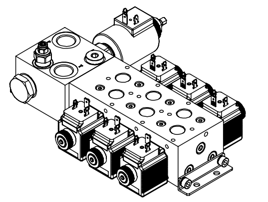
Quick code	Description	Main ports size:	General relief setting: (bar)	Voltage: (V)	Coil type:
EB000001	**EBNE-030-PALN-46-G38-AHRN**	A,B: **G3/8"** P,T: **G1/2"** M,LS: **G1/4"**	**210**	**DIN 43650**	**12**

DIRECTIONAL VALVE

EBNE-030-CCSN

ATLANTIC Fluid Tech



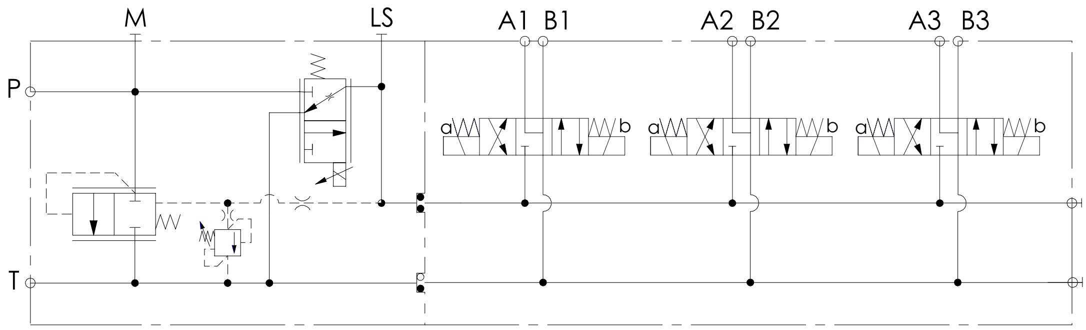


SPECIFICATIONS

Max. operating pressure:	**210 bar**
Rated flow:	**30 l/min**
Manifold:	**Cast-iron**
Weight:	**6,9 kg**

NOTES

For more informations see the chapter 19.00.000



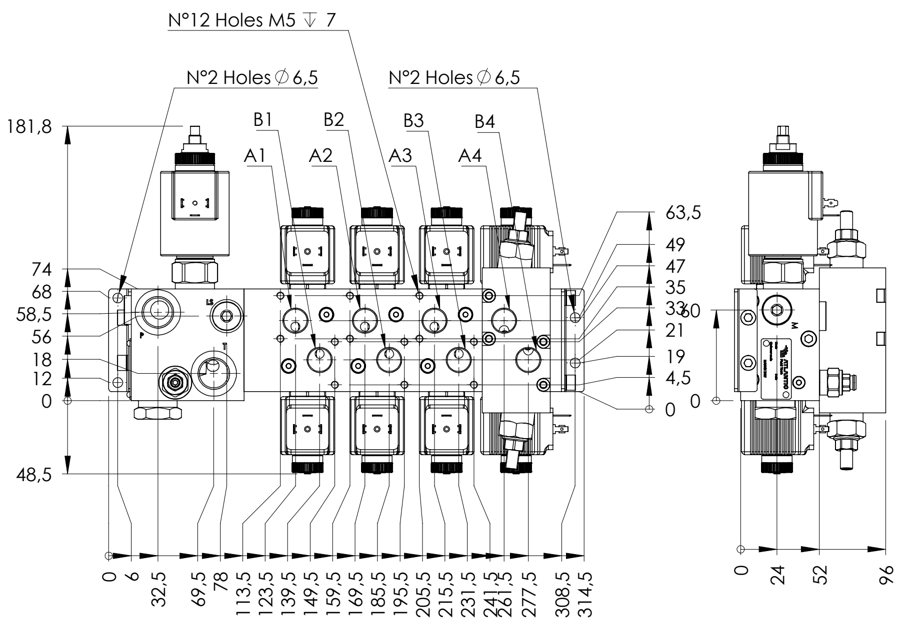
ORDERING CODES

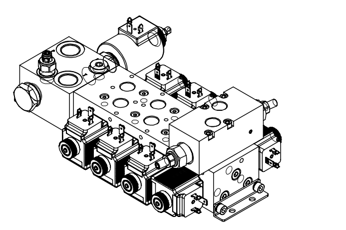
Quick code	Description	Main ports size:	General relief setting: (bar)	Voltage: (V)	Coil type:
EB000043	**EBNE-030-CCSN-10-G38-BHRN**	A,B: **G3/8"** P,T: **G1/2"** M,LS: **G1/4"**	**210**	**DIN 43650**	**24**

DIRECTIONAL VALVE

EBLE-040-CCSM

ATLANTIC Fluid Tech



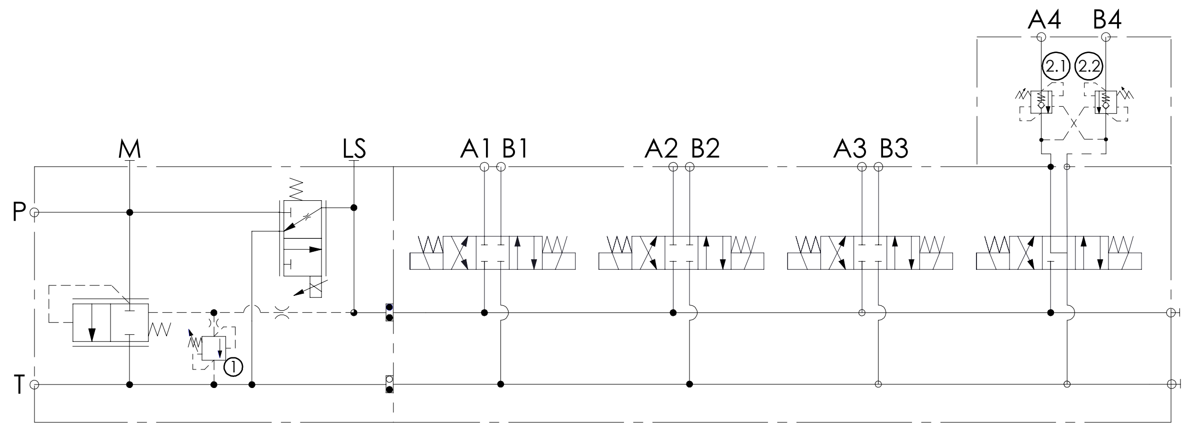


SPECIFICATIONS

Max. operating pressure:	**210 bar**
Rated flow:	**30 l/min**
Manifold:	**Cast-iron**
Weight:	**9,2 kg**

NOTES

For more informations see the chapter 19.00.000



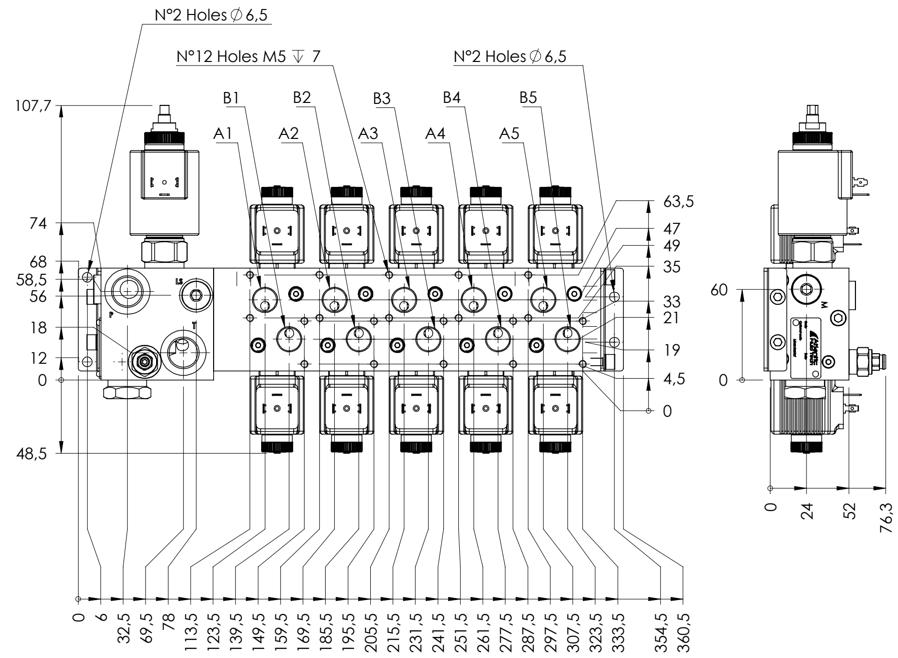
ORDERING CODES

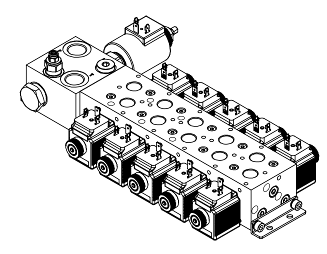
Quick code	Description	Main ports size:	Standard setting: (bar)	Voltage: (V)	Coil type:
EB000013	**EBAC-030-ESND-MX-G38-BHRN**	A,B: **G3/8"** P,T: **G1/2"** M,LS: **G1/4"**	① **210** ② **200**	**DIN 43650**	**24**

DIRECTIONAL VALVE

EBNC-030-ESNE

ATLANTIC Fluid Tech



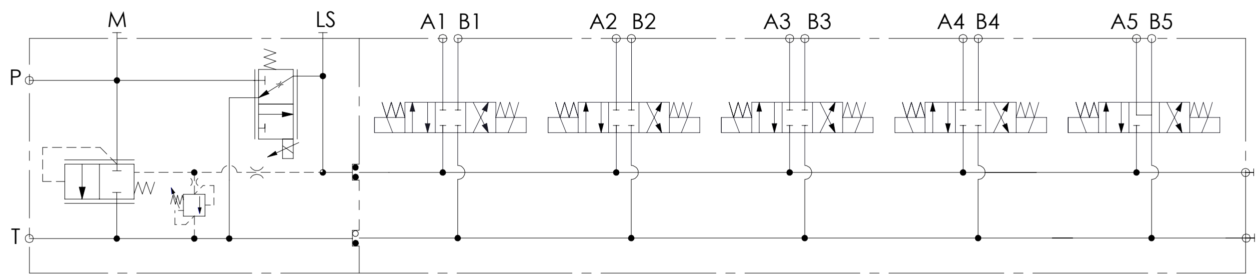


SPECIFICATIONS

Max. operating pressure:	210 bar
Rated flow:	30 l/min
Manifold:	Cast-iron
Weight:	10,2 kg

NOTES

For more informations see the chapter 19.00.000



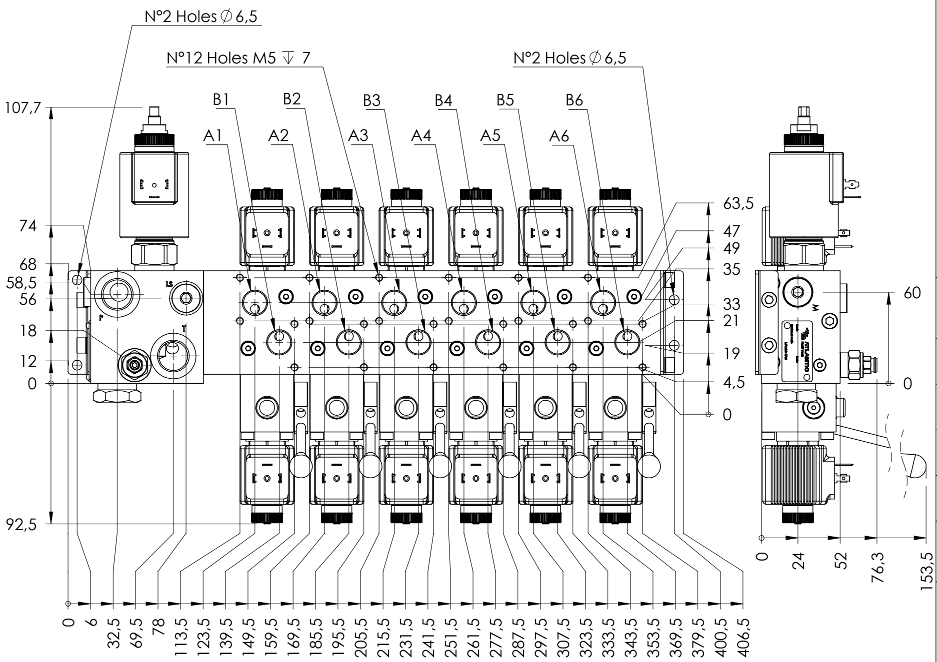
ORDERING CODES

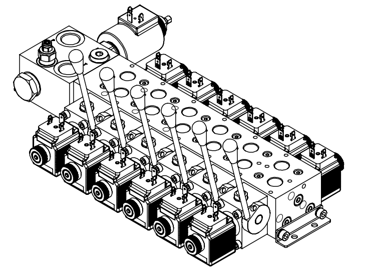
Quick code	Description	Main ports size:	Standard setting: (bar)	Voltage: (V)	Coil type:
EB000020	EBNC-030-ESNE-MX-G38-BHRN	A,B: **G3/8"** P,T: **G1/2"** M,LS: **G1/4"**	250	DIN 43650	24

DIRECTIONAL VALVE

EBNE-030-CBLN

ATLANTIC Fluid Tech



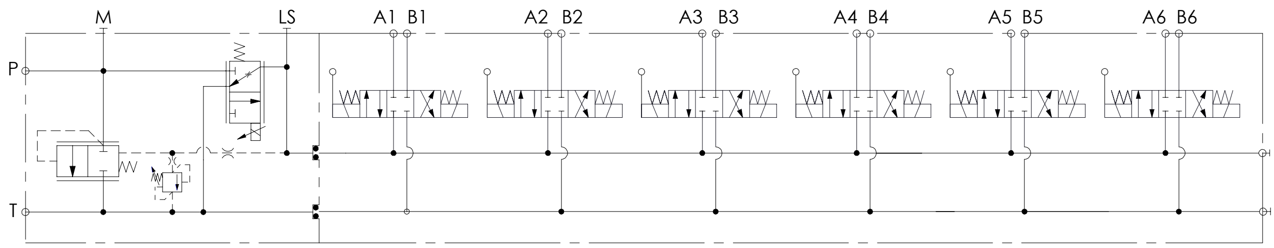


SPECIFICATIONS

Max. operating pressure:	**210 bar**
Rated flow:	**30 l/min**
Manifold:	**Cast-iron**
Weight:	**13,6 kg**

NOTES

For more informations see the chapter 19.00.000

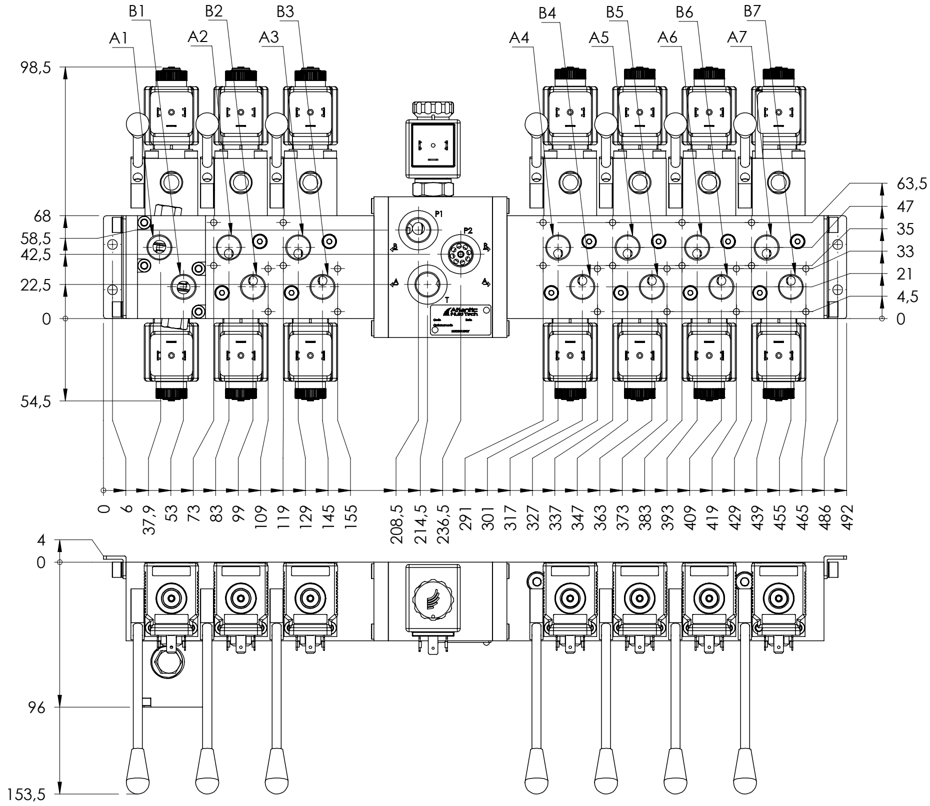


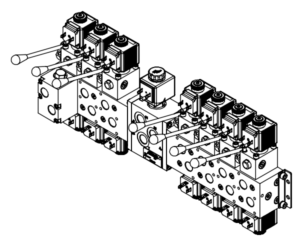
ORDERING CODES

Quick code	Description	Main ports size:	Standard setting: (bar)	Voltage: (V)	Coil type:
EB000006	EBNE-030-CBLN-46-G38-AHRN	A,B: **G3/8"** P,T: **G1/2"** M,LS: **G1/4"**	210	DIN 43650	12

DIRECTIONAL VALVE

EBNE-030-EGLM



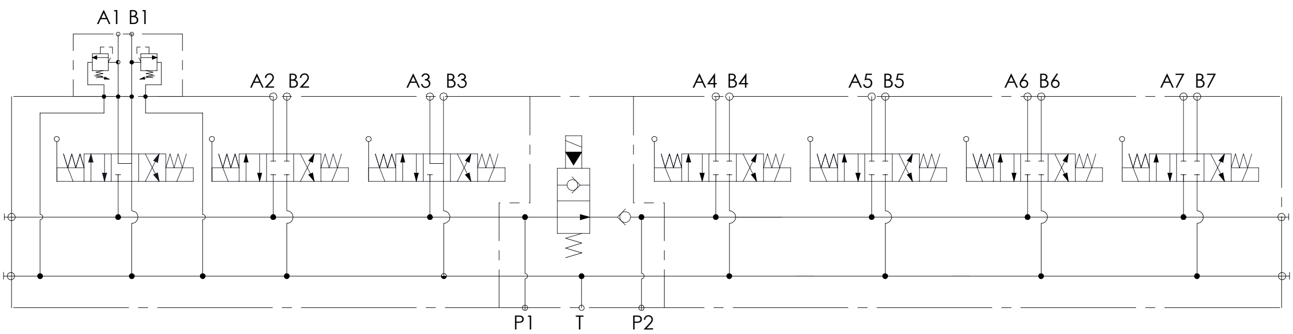


SPECIFICATIONS

Max. operating pressure:	**320 bar**
Rated flow:	**30 l/min**
Manifold:	**Cast-iron**
Weight:	**15025,4 kg**

NOTES

For more informations see the chapter 19.00.000

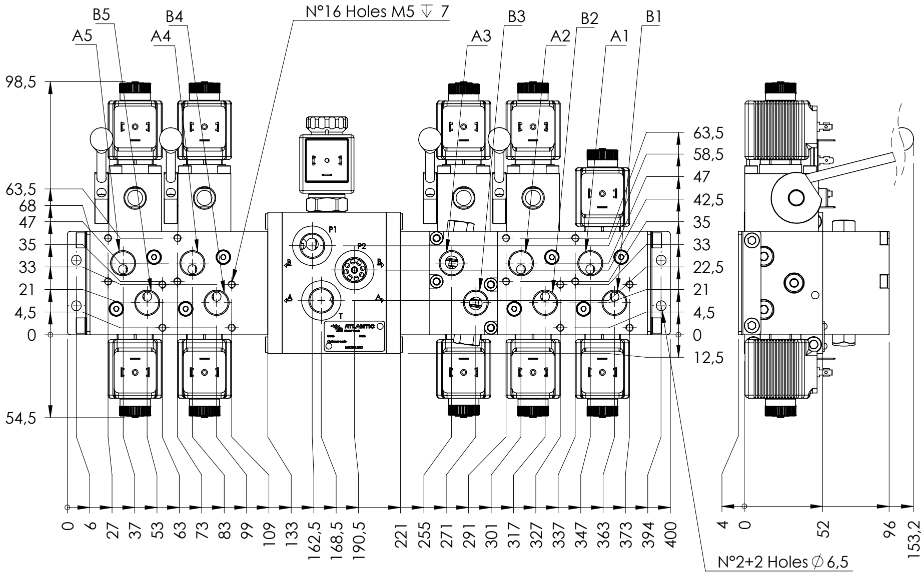


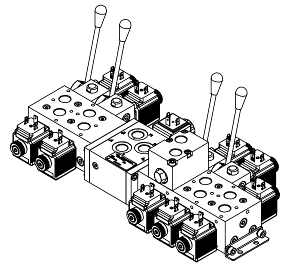
ORDERING CODES

Quick code	Description	Main ports size:	Standard setting: (bar)	Voltage: (V)	Coil type:
EB000036	**EBNE-030-EGLM-MX-G38-AHRN**	A,B,P,T: **G3/8"**	**70**	**DIN 43650**	**12**

DIRECTIONAL VALVE

EBNE-030-EELM



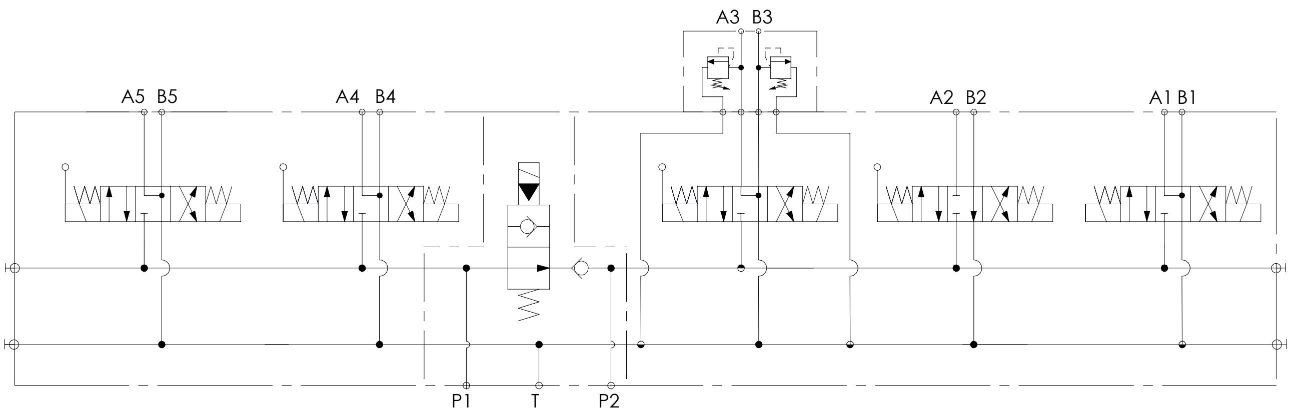


SPECIFICATIONS

Max. operating pressure:	**210 bar**
Rated flow:	**30 l/min**
Manifold:	**Cast-iron**
Weight:	**13,4 kg**

NOTES

For more informations see the chapter 19.00.000



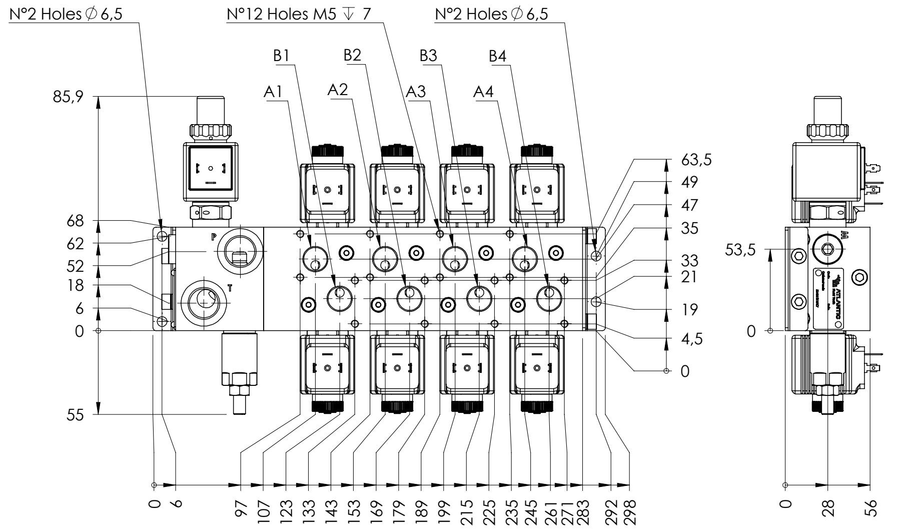
ORDERING CODES

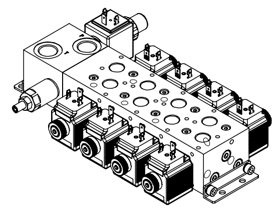
Quick code	Description	Main ports size:	Standard setting: (bar)	Voltage: (V)	Coil type:
EB000070	**EBNE-030-EELM-MX-G38-AHRN**	P1,P2,A,B: **G3/8"**	**150**	**DIN 43650**	**12**

DIRECTIONAL VALVE

EBNE-030-UDSN

ATLANTIC Fluid Tech



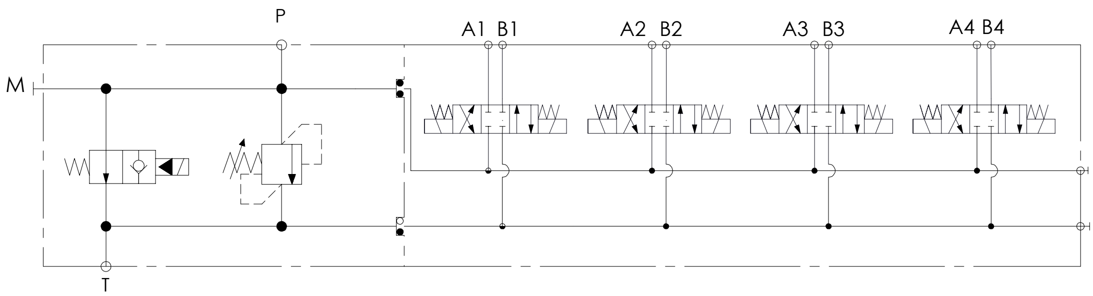


SPECIFICATIONS

Max. operating pressure:	**320 bar**
Rated flow:	**30 l/min**
Manifold:	**Cast-iron**
Weight:	**8,2 kg**

NOTES

For more informations see the chapter 19.00.000

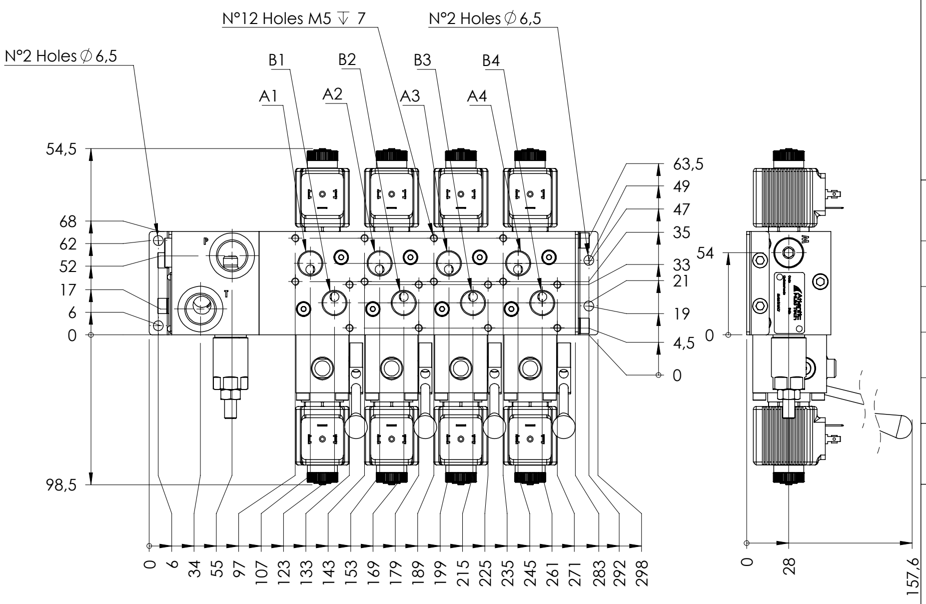


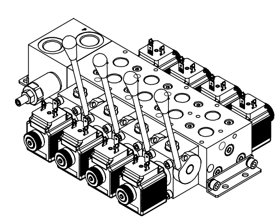
ORDERING CODES

Quick code	Description	Main ports size:	Standard setting: (bar)	Voltage: (V)	Coil type:
EB000027	**EBNE-030-UDSN-46-G38-AHRN**	A,B: **G3/8"** P,T: **G1/2"** M: **G1/4"**	**160**	**DIN 43650**	**12**

DIRECTIONAL VALVE

EBNE-030-UDSN



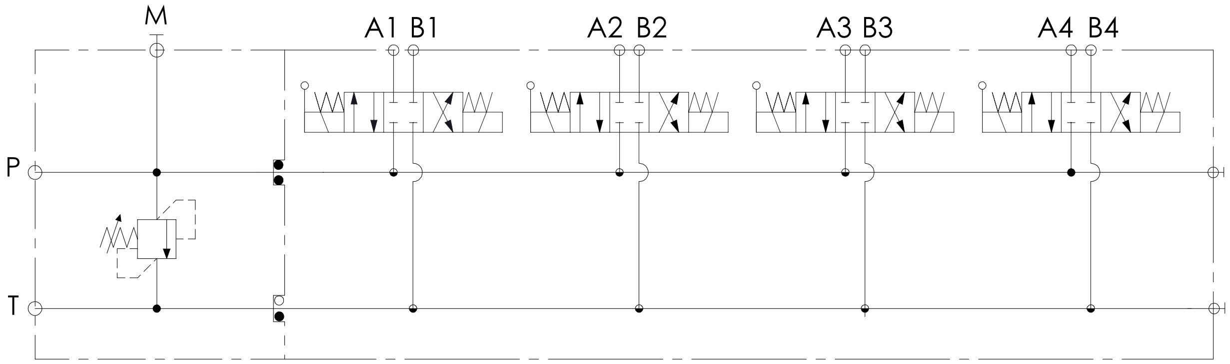


SPECIFICATIONS

Max. operating pressure:	**210 bar**
Rated flow:	**30 l/min**
Manifold:	**Cast-iron**
Weight:	**7,9 kg**

NOTES

For more informations see the chapter 19.00.000

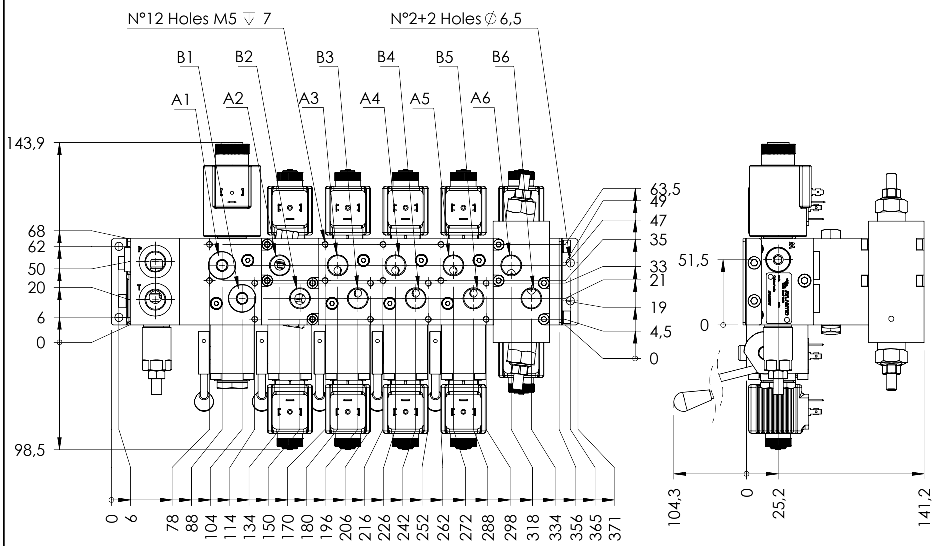


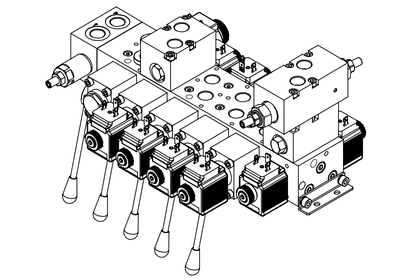
ORDERING CODES

Quick code	Description	Main ports size:	Standard setting: (bar)	Voltage: (V)	Coil type:
EB000009	**EBNE-030-UDSN-46-G38-AHRN**	A,B: **G3/8"** P,T: **G1/2"** M: **G1/4"**	**210**	**DIN 43650**	**12**

DIRECTIONAL VALVE

EBNE-030-EESM



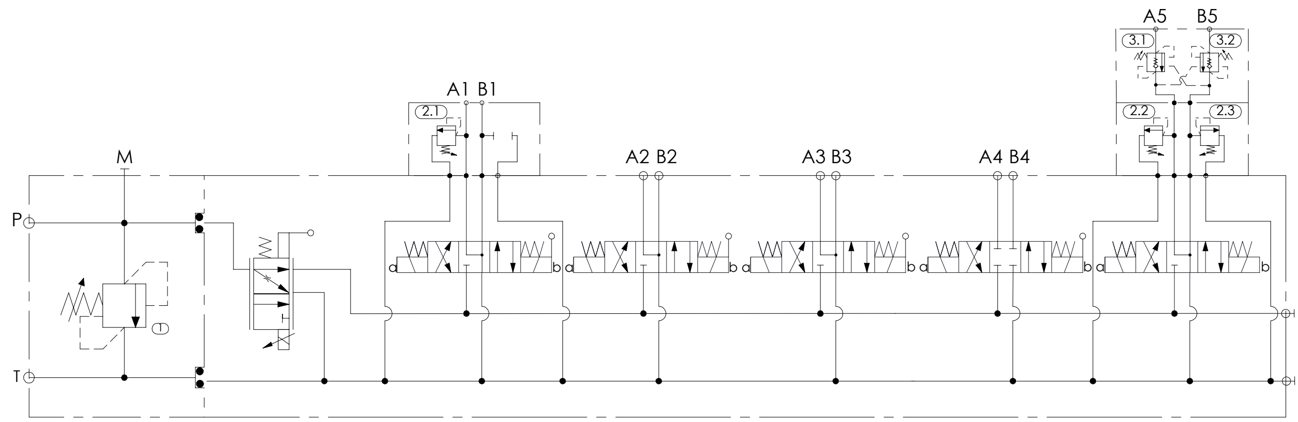


SPECIFICATIONS

Max. operating pressure:	**210 bar**
Rated flow:	**40 l/min**
Manifold:	**Cast-iron**
Weight:	**15,7 kg**

NOTES

For more informations see the chapter 19.00.000

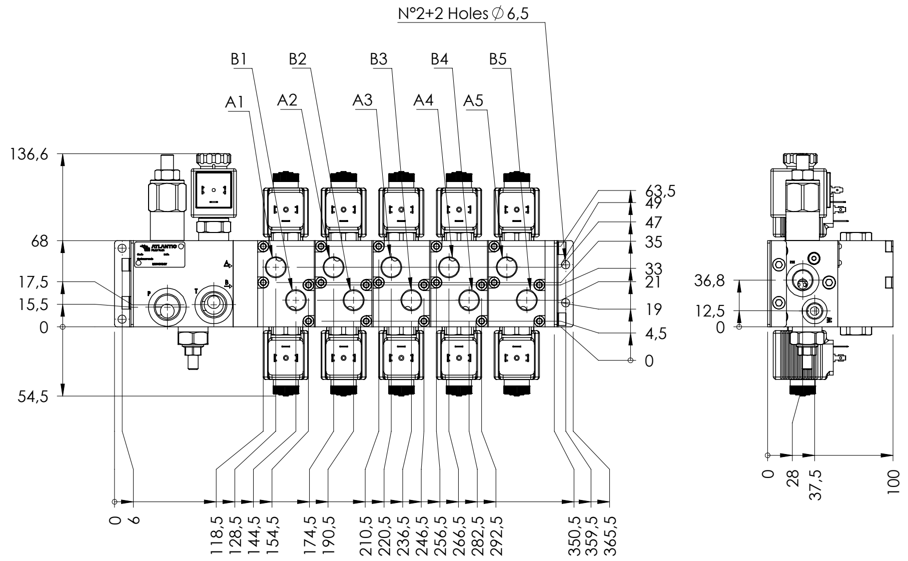


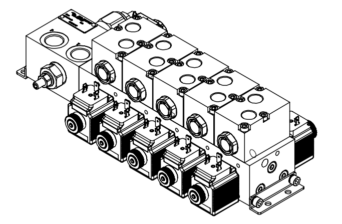
ORDERING CODES

Quick code	Description	Main ports size:	Standard setting: (bar)	Voltage: (V)	Coil type:
EB000056	**EBNE-030-EESM-MX-G38-AHRN**	A,B,P,T: **G3/8"** M: **G1/4"**	① **200** ③ **150** ② **140**	**DIN 43650**	**12**

DIRECTIONAL VALVE

EBNE-030-UESM



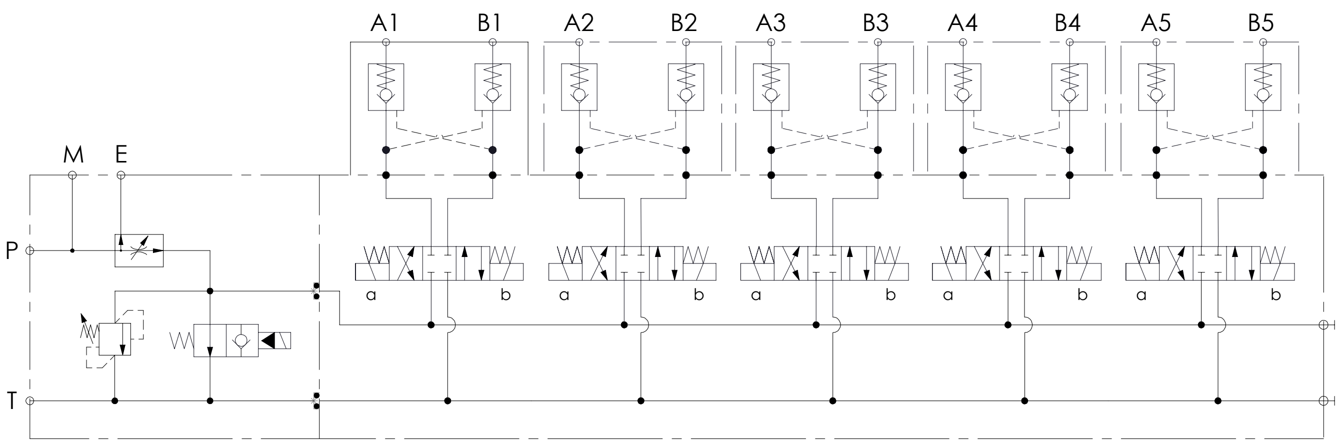


SPECIFICATIONS

Max. operating pressure:	**210 bar**
Rated flow:	**30 l/min**
Manifold:	**Cast-iron**
Weight:	**15 kg**

NOTES

For more informations see the chapter 19.00.000

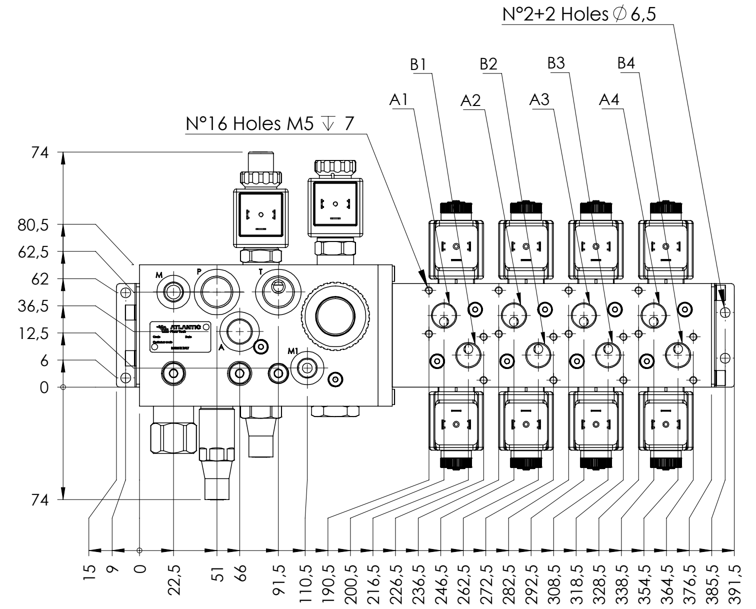


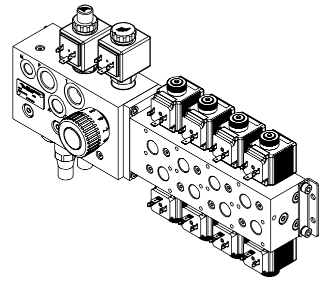
ORDERING CODES

Quick code	Description	Main ports size:	Standard setting: (bar)	Voltage: (V)	Coil type:
EB000092	EBNE-030-UESM-46-G12-AHRN	A,B,E: **G3/8"** P,T: **G3/8"** M: **G1/4"**	200	DIN 43650	12

DIRECTIONAL VALVE

EBNE-030-UESM



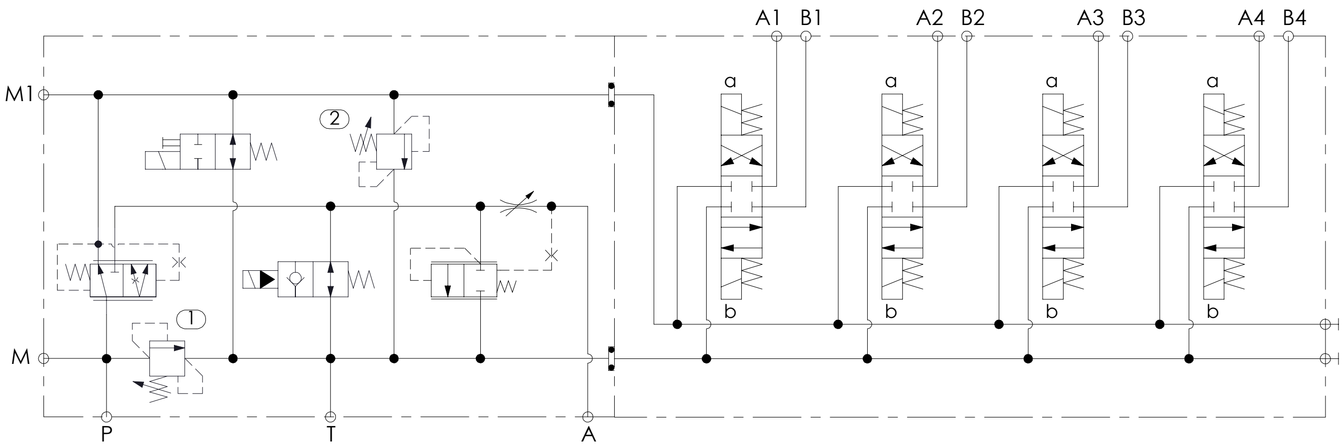


SPECIFICATIONS

Max. operating pressure:	**210 bar**
Rated flow:	**30 l/min**
Manifold:	**Cast-iron**
Weight:	**11,03 kg**

NOTES

For more informations see the chapter 19.00.000



ORDERING CODES

Quick code	Description	Main ports size:	Standard setting: (bar)	Voltage: (V)	Coil type:
EB000090	**EBNE-030-SDSN-46-G38-AHRN**	A,B: **G3/8"** P,T: **G1/2"** M,M1: **G1/4"**	① **190** ② **120**	**DIN 43650**	**12**

TECHNICAL SPECIFICATIONS

Modena, 05/04/2018

MATERIALS

CARTRIDGES AND INTERNAL COMPONENTS: Cartridge bodies are manufactured from high grade cold drawn steel bar, all of the external parts are zinc plated for longer durability in challenging environments. The valve's internal working parts are hardened and ground (or lapped) for maximum performance and durability.

MANIFOLDS: Cartridges, parts in body valve manifolds and integrated circuit blocks are manufactured from high strength aluminum bars and high quality steel. As a standard, steel manifolds are always zinc plated (Crome 3 treatment) whilst aluminum bodies can be anodized upon request. For complete specifications and compatibilities, please consult our Engineering department.

For pressures above 210 bar we recommend using steel bodies. In most cases the aluminum bodies are strong enough, but if transient peak pressures are frequently encountered, there is the possibility of fatigue cracks.

COILS: the external encapsulating material of our coils is made of class H thermoplastic compound as well as internal copper wire.

PORTS

The standard port dimension on our valves, when not flanged, is BSPP size, ranging normally between G1/4" and G1-14". SAE 'O' Ring and NPT ports are available on request, as well as special flange dimensions.

SEALS, BACK-UP RINGS AND SLIDE RINGS

We use Acryl-Nitrile Butadiene NBR (BUNA-N) seals as standard for temperatures between -30°C and +100°C. Viton seals or other compounds are available on request.

Back-up rings and slide rings are made of reinforced poly-tetrafluoroethylene (PTFE).

STORAGE OF NEW VALVES

The valves must be stored in their original plastic envelopes or cartoon boxes. In a dry, dust-free atmosphere, free of corrosive agents, with a low moisture content and no large variations in temperature. They should not be exposed to direct sun light or sources of heat or ozone (as this could cause the fast wearing of valve seals). Storage temperature must be between -20°C and +50°C.

HANDLING AND INSTALLATION OF VALVES

We recommend the installation and the use of our valves be carried out by expert and qualified people with perfect knowledge of the product. AFT will not be responsible for improper use of its products. For any clarification please contact AFT sales network.

The valve handling must be done in accordance with the weight of the box and of the valve itself, for more information please refer to your Country rules. Valves over a specific weight are equipped with threads where a hook can be installed; in this way the valve can be attached and lifted using mechanical devices.

FLUIDS AND WORKING TEMPERATURE RANGE

The recommended fluid is mineral oil based fluid, such as HL type (DIN 51524 part 1) or HLP type (DIN 51524 part 2) with an operating viscosity between 10 and 380 cSt. High viscosity and low temperatures may lead to a slower valve response than in warm oil conditions.

For water based fluids, such as 95/5 and 60/40 emulsions, please consult AFT sales network.

Fluid working temperatures should be maintained between -30°C and +100°C. For other working conditions, please consult AFT sales network.

FUNCTIONAL TEST

All the valves we sell are subjected to functional tests. The tests are carried out using ISO VG 46 hydraulic oil (viscosity of 46cSt at 40°C) and with oil temperature between 30 and 40 °C.

FILTRATION

Our valves are precision-machined mechanical components: the majority of valves failures (during normal working conditions) occurs due to hydraulic circuit contamination. We recommend the following filtration levels:

SYSTEM WORKING PRESSURE:	NOM. FILTRATION	CONTAMINATION CLASS:	
> 250 BAR:	10 µm	**ISO 4406**: 17/14	**NAS 1638**: 8
BETWEEN 100-250 BAR:	15 µm	**ISO 4406**: 18/14	**NAS 1638**: 9
< 100 BAR:	25 µm	**ISO 4406**: 19/15	**NAS 1638**: 10-11

INTERNAL LEAKAGE

Many of our valves have a leak proof seat design: this means that the maximum allowed oil leakage value is 1 cc/min (about 15-20 drops/min) measured with 46cSt oil at 40°C at the maximum permitted pressure. However, normal leakage is found to be less than 10 drops/min and tends to decrease or disappear after few seconds of rest. These are within the acceptable limits, note however that each type of valve has different performances depending on its design: please refer to our Engineering dept. for information about each valve type.

VALVE SETTING AND TAMPERPROOF DEVICES

SETTING: Our valves are supplied Factory set as stated on the corresponding catalogue page. The adjustment range and maximum setting figures shown on the catalogue are the safe limits according to each valve specific design: in the majority of cases higher or lower values can be attained. Any setting changes should be approved in writing prior by our Engineering dept. Any setting change must be carried out using an appropriate gauge or pressure/flow measuring equipment.

TAMPERPROOF: The majority of our cartridges and parts in body valves have the possibility to be equipped with a plastic tamperproof cap to prevent any undesired modification of valve setting: please refer to each catalogue page for the choice of the correct cap. On request, valve can be supplied already Factory set and sealed.

CARTRIDGE VALVE INSTALLATION

The correct machining of cavities is critical in ensuring the best performance of our cartridges. Cavity tools are available for sale and cavity drawings can be found in the specific section of our catalogue or requested from our Engineering dept.

To correctly install cartridges into their cavity, please follow this procedure:

- Check that external seals and back-up ring are correctly fitted and without damage;
- Ensure the cavity and cartridge body are clean and without any visible contamination;
- If necessary, immerge cartridge body into clean oil to take away any impurity and to lubricate the seals;
- Screw the cartridge into its cavity by hand, until mechanical contact is reached, being sure that during tightening that there is no abnormal friction between the cartridge and its cavity;
- Tighten the cartridge with a calibrated torque wrench applying the correct torque as specified on the corresponding catalogue page.

TORQUE FIGURES

So as to ensure correct cartridge behavior and to prevent any internal friction the correct torque must always be applied when fitting cartridges into their cavities: the correct torque values can be found on each cartridges' catalogue page.

COILS

ED RATE: All our coils are rated ED 100%, they can remain 100% energized through out the working cycle, provided the nominal voltage and maximum ambient temperatures are not exceeded.

TEMPERATURE CLASS: As standard the encapsulating material and copper wire are rated CLASS H: this means that the ambient temperature + temperature rise due to coil operation cannot exceed 180 °C. Class F coils are available on request (maximum 155 °C). The external surface of the coil can easily reach very high temperatures after long energizing period (80-100°C): Particular care must be taken to avoid accidental injuries to workers and operators. To prevent premature burning of the coils, it is requested that coils are installed in such a way to aid air ventilation around them and thus preventing excessive heating of the surrounding ambient.

IP PROTECTION CLASS: The standard insulation class of our coils is IP65, provided that all the seals between coil and solenoid cartridge tube/nut and between coil and connector are correctly fitted. Coils with Deutsch connector are rated with an IP69K insulation class.

INLET VOLTAGE: Our coils normally accept inlet voltage fluctuations of between ±10% without any compromise to normal functionality (unless specified on the coil catalogue page). If specific inlet voltages are required, please refer to our Engineering dept.

POWER SUPPLY: Our solenoid operated cartridges are designed to operate with DC (direct current) power supply: in case of AC (alternate current) applications, please apply between power supply and coil a current rectifier and use the proper RAC (rectified alternate current) coil.

ENVIRONMENTAL CARE AND PRODUCTS DISPOSAL

AFT products are made mainly with metallic materials; steel, aluminum, cast iron and plastic materials (ABS, PTFE, NBR) that can be recycled after being cleaned of hydraulic fluids if present.

Our packaging materials are made mainly of paper, cardboard, wood, plastic and polyethylene which can be recycled after being cleaned from hydraulic fluids if present.

Hydraulic fluids must be disposed of in accordance with the laws and procedures of each country.

During handling, installation and use it is necessary to avoid the dispersion of hydraulic fluid into the environment, in case of accidental dispersion it is necessary to follow your local rules.

Engineering Department

GENERAL TERMS OF SUPPLY – OUTLINE AGREEMENT

San Cesario Sul Panaro (MO): 31/10/2011

1 SUBJECT

The present general terms of supply (or outline agreement) have been drafted to regulate all the supply relations existing between Vendor and Customer, which will be conducted at the conditions hereinafter described and/or on the basis of any additional agreements specifically entered into between the parties.

If these general terms of supply should contain any clauses or prescriptions that conflict with specific conditions of supply agreed between the parts, these latter shall prevail.

2 CUSTOMER ORDERS

The Customer's orders must be transmitted to the Vendor in written form (also via fax, or using telecommunications and electronic means) and must contain the following information:
a) date and place of issue of the order;
b) exact denomination of the Customer company and its complete address;
c) a reference to the relative offer made by the Vendor company (if such an offer exists);
d) complete Vendor's identification code, with a description of the product ordered if necessary and the relative technical specifications of all the products to which the order refers;
e) the required quantities;
f) the agreed prices (if available);
g) the quality requirements with which the Vendor must comply in execution of the order;
h) the signature of an authorised representative;
i) the required term of delivery;
l) terms of payment;
m) shipping agent.

Orders are intended as accepted when the relative order confirmation duly signed by the Vendor arrives at the registered address of the Customer, or if such a document is not forthcoming, orders will be considered to be confirmed by the Vendor at the terms of supply specified herein if they are not explicitly refused in writing within the term of 10 working days from the date of the order in question.

2.1 PRICES

The prices established by the Vendor and/or agreed upon with the Customer shall remain fixed for the entire period of the order or for the agreed period; said period shall not be subject to modification except in the presence of exceptional events and/or causes of force majeur (e.g. uncontrolled price increases of raw materials or energy, etc.); in such cases new agreements will be entered into with customers.

3 EXECUTION OF THE CONTRACT OF SUPPLY - AMENDMENTS

The terms of the contract of Supply are intended as final and executive when:
- the Customer transmits to the Vendor the purchase order in written form relative to the ordered product, specifying the requirements set down in heading 2 above;
- the Vendor has issued its Order confirmation and transmitted it to the Customer, or has failed to refuse the order in writing within 10 working days from the date of the order in question (See heading 2).

Once the contract has been signed, it must be fully and duly executed by the parties. Any amendments or cancellations of the contract can only take place further to the stipulation of agreements between the parties (Vendor and Customer) that take into account, on a reciprocal basis, any possible compensation for reimbursement of expenses sustained (materials, labour, etc.) to be paid to the more diligent party that receives such a request for amendment or cancellation.

In any event, the Customer is entitled to request modifications relative to orders it has already issued in relation to the quantity and/or characteristics of the ordered products, by means of the issue and transmission to the Vendor of a specific order variant, which shall be construed as implicitly accepted by the Vendor if this latter fails to raise any objections within the term of 10 working days from the receipt of such an order variant.

The execution of the contract of supply can be suspended and/or cancelled, also without notice to the customer, due to causes of force majeur (e.g. grave natural disasters, social unrest, epidemics, etc.) that are outside the Vendor's control.

4 TECHNICAL MODIFICATIONS

Except in the presence of contrary agreements with Customers, the Vendor can make technical modifications to the product specifications without notice; in any event, the Vendor undertakes to execute customer orders/contracts that are already confirmed without applying any modifications and/or anyway guaranteeing interchangeability of the relative products.

5 PRODUCT QUALITY AND VERIFICATION OF CONFORMITY

All the products are subject to the necessary checks/tests in the various production phases in order to guarantee conformity with the specifications and calibrations indicated in the catalogues, drawings, and/or technical datasheets; moreover, the Vendor's production process complies with the Quality System requirements defined by UNI EN ISO 9001, certified by an accredited Institute. The Customer is entitled make visits to and to carry out quality audits at the Vendor's plant after arranging an appointment for such occasions.

Because of the large range of technical features and operating conditions of the equipment manufactured by the Customer, the Vendor shall not assume any liability for the results of tests performed by third parties. The Customer is therefore responsible for the final choice of the valve and for the adoption of all the measures required to achieve the required functional and safety specifications on the system in which the valve is to be installed, in addition to the compliance with any specific standards applicable to the system in question.

In the event of nonconforming products the responsibility for which can be attributed to the Vendor, in addition to the warranty actions provided for in the following article 6, the Customer can demand that the Vendor perform the necessary corrective actions in order to improve its level of quality rapidly.

5.1 "FIRST SPECIMENS" CHECK

For new special products made to Customer's specifications or customised to a significant extent with respect to the equivalent standard products, when so requested by the Customer the Vendor can, further to prior agreement with the Customer, carry out checks on "First Specimens"; this procedure entails the supply of "Prototypes or Specimens" of Products accompanied by Test Certificates detailing dimensional checks and functional tests evaluating diverse technical aspects.

In this case the Customer's validation of subsequent supplies must be performed on the basis of the "First Specimens".

6 WARRANTY

The Vendor provides a warranty to the first Customer covering its valves against defects in material or workmanship for a period of 24 months from the time of first assembly, provided said first assembly takes place within 6 months from the date of manufacture as marked on the valve, and provided the valve is installed and utilised in accordance with the conditions of use prescribed by the Vendor and/or in compliance with the standards adopted in accordance with industrial best practices. Seals and O-rings are expressly excluded from the warranty.

This warranty is applicable exclusively to the first Customer/Purchaser of the Vendor's products and is not transferable.

In the event that the Customer considers that the goods or a part of the goods are defective for causes attributable to the Vendor, the Customer shall signal/protest the presence of the alleged defects by sending a detailed written report, thereby allowing the Vendor to verify the effective existence of the claimed defects/flaws by means of inspections performed by its technical personnel.

Having ascertained that the claimed defects are effectively present and having accepted that they are attributable to the fault of the Vendor, this latter undertakes to repair or replace the goods in question in a reasonable time interval and/or inform the Customer of the cause of such defects.

This warranty is not applicable to products that have been subject to conditions of contamination in the customer's hydraulic circuit, or to products that are incorrectly utilised or subject to tampering performed without the Vendor's supervision or authorisation.

The Vendor's warranty does not envisage pecuniary compensation or credit notes in respect of defective material; specifically, the Vendor shall not be held responsible under any circumstances for loss of earnings, costs of disassembly and reassembly of the product, for any damages connected with such an operation, and for any whatsoever cost relative to the installation of the repaired or replaced valves, including the costs arising in relation to system outages.

If the product supplied is to be assembled in plants potentially capable of causing third party damages of a magnitude that is significantly greater than the price of the product, it is the Customer's responsibility to adopt all the possible safety measures to avoid any such damage, since it is aware that series production of valves at market prices leads to the risk, albeit negligible, of the possible presence of defective parts.

If the Customer embarks on a recall or remediation campaign of its own machines, on any whatsoever market, in order to replace or repair parts that have been ascertained to be defective, this action will be undertaken on the basis of bilateral agreements to be defined.

If the Customer is subjected to legal proceedings for "civil product liability" or if it is accused of violation of legal prescriptions connected to the Vendor's products, the Customer must inform the Vendor immediately of such a situation, and the Vendor shall participate in the analysis of the problem in collaboration with the Customer.

Wherever considered necessary, specific agreements can be stipulated between Customer and Vendor as an alternative to the foregoing warranty procedures.

6.1 SUPPLY QUALITY OBJECTIVES

Specific supply quality objectives may be established in certain cases, to be agreed with Customers; in such cases the Vendor undertakes to cooperate with the Customer in order to define all the aspects necessary to fulfil the objectives in question, and the necessary actions that must be undertaken when such objectives are not achieved.

The possibility of economic recourse or penalties applied by the Customer in relation to the value of the supplies is not contemplated under any circumstances.

7 TECHNICAL ASSISTANCE

The Vendor guarantees to the Customer its availability to perform joint analyses, free of charge, of any defects reported by end users, also when such analyses are be carried out on the Customer's site; in this case, if the defectiveness is attributable to the responsibility of the Customer, the Vendor will issue a debit note relative to its services rendered. When the Customer requires the assistance of the Vendor's technical personnel on its sites it must make a written request to this effect (which can be transmitted also by e-mail or fax).

8 PRESCRIPTIONS OF INTENDED USE.

The Customer is expressly prohibited from using the products sold by the Vendor for purposes other than those set down in the offer or in the catalogues.
Specifically, the Vendor's Dealers or Agents are not authorised to approve the use of the products supplied for the following applications:

- systems for road vehicles for the transport of passengers or goods and subject to safety Standards and Directives, such as (without limitation) steering systems and brake systems
- aircraft or spacecraft;
- military equipment;
- rescue or emergency equipment or vehicles;
- systems to be used in conjunction with atomic installations;
- systems for use in explosive or otherwise hazardous environments.

If the Customer intends to use the goods supplied for any applications falling into one or more of the above categories or other similar categories, or for any applications other than those expressly described in the documentation, or in the presence of doubts concerning the intended application, it must seek prior specific approval directly from the Manufacturer and await the receipt of written authorisation for the intended application before proceeding.

Any damage suffered by the Customer or third parties arising from failure to comply with the terms of the prescriptions as at the foregoing subsections, or due to the failed observance of the specifications/directions for use supplied by the Vendor in the pages of its catalogue or in the assembly drawings, will be borne entirely by the Customer.

9 OBLIGATION OF DILIGENCE OF THE CUSTOMER IN THE PREVENTION OF DAMAGE IN THE CONTEXT OF ITS OWN PRODUCTION PROCESS.

If the product is utilised in a production process in such a way that any defects in the supplied product could give rise to substantial damages to the Customer or third parties deriving from production plant downtimes, the Customer undertakes to acquire a sufficient number of the parts in question to replace any faulty parts, and further undertakes to engineer the production process in such a way that such replacements can be carried out quickly and easily. In any event, the Vendor undertakes to repair or replace any parts that are found to be defective due to causes for which it is ascertained to be responsible.

10 DISCREPANCIES BETWEEN THE CONTENTS OF THE CUSTOMER OFFER AND THE PRESCRIPTIONS OF THE PRESENT TERMS OF SUPPLY.

Any aspects or conditions specified in the Customer Order that depart from contents of the present of terms of supply will be disregarded and construed as automatically replaced by the terms and conditions stated herein.

11 EXECUTION OF SUPPLIES ARRANGED PRIOR TO THE ACCEPTANCE OF THESE GENERAL TERMS.

If the supply is executed before the present general terms have been accepted by the Customer, the contract of supply shall be construed as having been entered into at the general terms and conditions specified on the back of the invoice and the delivery note, unless the Customer returns the goods to the Vendor, carriage forward, in exactly the same condition in which they were shipped within the term of 5 working days from the date of their receipt.

12 DELIVERY - DOCUMENTATION

Except in the presence of contrary agreements entered into between the parties, reference must be made in respect of the terms of delivery, to the terms specified by the Vendor in its Order Confirmation. At the order confirmation stage the Vendor can propose changes to the requested delivery date on the basis of its internal production requirements. The Customer reserves the right to accept or refuse the proposed modifications on the basis of its own requirements.

Any delivery terms specified in the Customer's orders or in other written documents exchanged between the parties shall not be considered to be binding except in the presence of a specific written agreement to such effect.

If the Customer intends to rescind from the contract and/or advance claims for compensation for damages further to failed observance of the terms of delivery, it must notify the Vendor expressly of such intentions at the time it transmits the order, and it must request an explicit confirmation from the Vendor specifying that it accepts such conditions.

All shipments will be sent with an attached delivery note bearing the following information: the order number, vendor's product code and Customer code (when required and present), description, quantity, identity of the shipping agent, and details concerning the transport means, number of items of packing, gross weight, etc.; the availability of this information serves to allow rapid correlation of the incoming goods with the shipping documents.

The Customer undertakes to inspect the goods delivered within and no later than 10 (ten) days from the time of receipt and it will automatically waive its rights to claim for missing items or manifest defects of the goods if it fails to declare such circumstances within the same 10 (ten) days from the time of receipt.

13 TRANSPORT

Except in the presence of contrary written agreements between the parties, the means of transport and the carrier will be chosen by the Customer.

Transport costs are charged to the Customer, which is required to refund them to the Vendor in the event that this latter party is obliged to pay them in advance on the Customer's account.

If the Customer fails to specify the required carrier and means of transport, these aspects can be chosen freely at the discretion of the Vendor, which will stipulate the transport contract in the name of the Customer and on the account of this latter.

Whether the carrier is chosen by the Customer or whether it is chosen by the Vendor in the name of and on the account of the Customer, the goods will be transported entirely at the risk and responsibility of the Customer, which can recourse directly to the carrier in the event of damage sustained during transport. The Customer is not entitled to make any claims against Vendor in such respects

14 PAYMENT

The terms and methods of payment for the supplies are specified in the Vendor's Offers and in the Customer's orders; when such orders are accepted by means of an order confirmation they become an integral and essential part of the supply contract.

Unless otherwise agreed, payment of the price of the supply must be made using the domicile and methods indicated by the Vendor. In the case of a delayed payment arrears interest will be applied in the measure of the Euribor 365 days rate increased by 4% per annum.

The Customer is not entitled to withhold sums from payments due to the Vendor for any whatsoever reason unless such action has been previously agreed upon and approved in writing by the Vendor.

15 EXTENDED PAYMENT – OWNERSHIP RESERVATION

If the payment is extended, the sale shall be understood to have taken place with reserved ownership pursuant to the terms of articles 1523 et seq. of the Italian civil code without any further provisions having to be taken successively. The costs involved in establishing proof of reserved ownership as specified in art. 1524 of the Italian civil code shall be borne entirely by the Customer.

16 FORM OF THE PROPOSAL, THE ACCEPTANCE AND ANY WHATSOEVER OTHER LEGALLY SUBSTANTIAL COMMUNICATION

The proposal, acceptance, any possible claims, and any other legally substantial communications must be written and signed in a legible manner. Such communications can be transmitted by any means, including fax and e-mail. In this latter eventuality the e-mail message must bear the author's name at the foot of the page.

17 CIVIL LIABILITY INSURANCE

The Vendor undertakes to take out and maintain a "Civil Product Liability Insurance" policy. On the request of the Customer, the Vendor will produce the documents relative to such an insurance policy.

Any accidents resulting in damage to third parties in which the Vendor's products are involved and which could give rise to product civil liability claims for compensation, must be communicated with the maximum promptness to the Vendor so that this latter can participate in the relative inquiry, also through its appointed technical expert, starting from the stage of the initial investigations.

18 CONFIDENTIALITY

The Vendor and the Customer reciprocally guarantee the confidentiality of all the information, data, and all documents that they exchange during the course of their business relations.

In particular documents which are sent to the Customer like drawings, technical specifications, test reports, etc. and containing manufacturing or functional data of the products, have to be considered property of the Vendor and they cannot be disclosed or passed to third parties without the written consent of Vendor's Management.

19 ACCEPTANCE OF THE GENERAL TERMS OF SUPPLY – AMENDMENTS OR CANCELLATIONS

These General Terms of Supply can be transmitted to the Customer in the following ways:
- DIRECTLY, during the stipulation of a bilateral agreement or contract;
- INDIRECTLY, attached to the Vendor's Order confirmations.

In both cases they are considered to have been TACITLY ACCEPTED by Customers when no contrary communication is received within the term of 15 days from the date of receipt of the terms.

If the Customer intends to amend or rescind from these terms of supply it must provide the Vendor with written notice to this effect at least 3 months before the relative amendments or withdrawal are to take effect.

20 APPLICABLE LAW.

For all matters that are omitted from the present agreement the terms of supply shall be understood as being regulated by the relevant provisions of Italian Law.

If the Customer's domicile is in a foreign country, or in any cases in which the contract includes aspects of an "international nature", the present agreement and any disputes that should arise in relation to the same shall be subject to the provisions of Italian Law, with sole jurisdiction held by the Italian ordinary courts in the competent law court of Modena.

Atlantic Fluid Tech S.r.l. General Management

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