

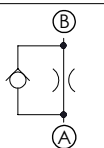
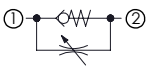

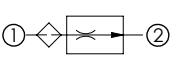
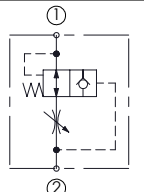
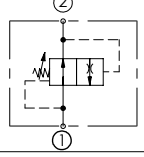
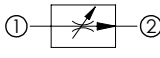
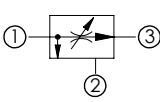
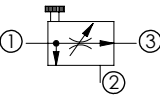
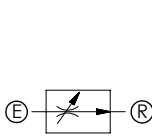
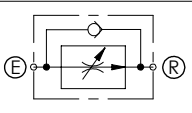
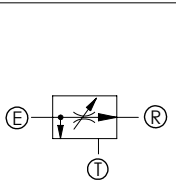
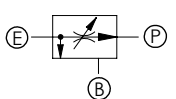


**ATLANTIC**  
Fluid Tech

**SECTION  
13**

Flow Control  
Valves

# FLOW CONTROL VALVES

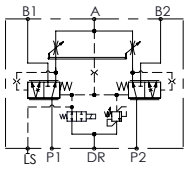
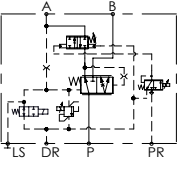
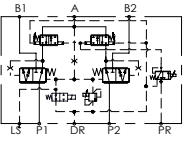
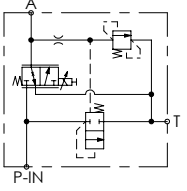
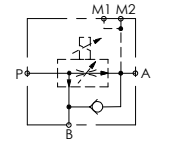
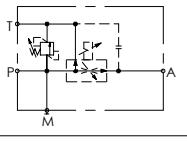
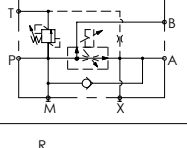
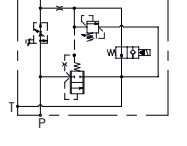
Hydraulic scheme	Valve description	Valve type	Rated flow l/min (gpm)	Max. pressure bar (psi)	Installation	Main port size or cavity type	Page
	CFFN-015-MFSR	Disk type, double mounting	15 (4)	350 (5000)	Insert	G 1/4"	13.01.010
	CFFN-030-MFSR	Disk type, double mounting	30 (8)	350 (5000)	Insert	G 3/8"	13.01.020
	CFFN-070-MFSR	Disk type, double mounting	70 (19)	350 (5000)	Insert	G 1/2"	13.01.030
	CFSN-040-MHRR	Not compensated	40 (11)	350 (5000)	Cartridge	SAE-08-2N	13.02.040
	CFSN-040-BHRR	Not compensated	40 (11)	350 (5000)	Cartridge	SAE-08-2N	13.03.050
	CFSN-070-BHRR	Not compensated	70 (19)	350 (5000)	Cartridge	SAE-10-2N	13.03.060
	CFST-008-MFRR	Flow regulator	0,3-10 (0,08-2,6)	420 (6000)	Cartridge	VP000391	13.04.070
	CFHN-030-MHST	Hose burst valve	25 (7)	350 (5000)	Insert	G 1/4"	13.05.080
	CFHN-050-MHST	Hose burst valve	50 (13)	350 (5000)	Insert	G 3/8"	13.05.080
	CFHN-080-MHST	Hose burst valve	80 (21)	350 (5000)	Insert	G 1/2"	13.05.080
	CFHN-160-MHST	Hose burst valve	160 (42)	350 (5000)	Insert	G 3/4"	13.05.080
	CFHN-200-MHST	Hose burst valve	250 (66)	350 (5000)	Insert	G 1"	13.05.080
	CFST-010-MDST	Two ways compensated	10 (3)	350 (5000)	Insert	G 1/4"	13.06.090
	CFST-025-MDST	Two ways compensated	25 (7)	350 (5000)	Insert	G 3/8"	13.06.090
	CFST-070-MDST	Two ways compensated	67 (18)	350 (5000)	Insert	G 1/2"	13.06.090
	CFST-150-MDST	Two ways compensated	150 (40)	350 (5000)	Insert	G 3/4"	13.06.090
	CFST-030-MXRR	Two ways combination adjustable setting	30 (8)	350 (5000)	Cartridge	SAE-10-2N	13.07.095
	CFCT-060-MHRR	Three ways combination	60 (16)	350 (5000)	Cartridge	SAE-10-3N	13.08.100
	CFPT-140-MMRR	Three ways combination	140 (37)	350 (5000)	Cartridge	SAE-16-3N	13.09.110
	MFST-030-RVTR-30	Two ways compensated	30 (8)	210-350 (3000-5000)	In line	G 3/8"	13.10.120
	MFST-055-RVTR-55	Two ways compensated	55 (15)	210-350 (3000-5000)	In line	G 1/2"	13.10.130
	MFST-090-RPZR	Two ways compensated	90 (24)	210 (3000)	In line	G 1/2"	13.10.140
	MFST-090-RVTR-90	Two ways compensated	90 (24)	210-350 (3000-5000)	In line	G 3/4"	13.10.150
	MFST-190-RVTR-19	Two ways compensated	190 (50)	210-350 (3000-5000)	In line	G 1"	13.10.160
	MFST-055-VVTR	Two ways compensated with check valve	55 (15)	210 (3000)	In line	G 1/2"	13.11.170
	MFCT-055-RVTR-30	Three ways compensated	55 (15)	210-350 (3000-5000)	In line	G 3/8"	13.12.180
	MFCT-090-RVTR-55	Three ways compensated	90 (24)	210-350 (3000-5000)	In line	G 1/2"	13.12.190
	MFCT-090-RPZR	Three ways compensated	90 (24)	210 (3000)	In line	G 1/2"	13.12.200
	MFCT-150-RVTR-90	Three ways compensated	150 (40)	210-350 (3000-5000)	In line	G 3/4"	13.12.210
	MFCT-280-RVTR-19	Three ways compensated	280 (74)	210-350 (3000-5000)	In line	G 1"	13.12.220
	MFPT-090-RVTR	Pressure compensated, priority flow regulator	90 (24)	210 (3000)	In line	G 1/2"	13.12.230
	MFPT-090-RPZR	Pressure compensated, priority flow regulator	90 (24)	210 (3000)	In line	G 1/2"	13.12.240

# FLOW CONTROL VALVES



Hydraulic scheme	Valve description	Valve type	Rated flow l/min (gpm)	Max. pressure bar (psi)	Installation	Main port size or cavity type	Page
	<a href="#">MFCT-090-RVTN</a>	Three ways compensated	90 (24)	210 (3000)	In line	G 1/2"	13.13.250
	<a href="#">MFCT-090-VPZR</a>	Three ways compensated with check valve	90 (24)	210 (3000)	In line	G 1/2"	13.14.260
	<a href="#">MFCT-090-LPZR</a>	Three ways compensated with relief valve	90 (24)	210 (3000)	In line	G 1/2"	13.15.270
	<a href="#">MFCT-090-TPZR</a>	Three ways compensated by pass check valve	90 (24)	210 (3000)	In line	G 1/2"	13.16.280
	<a href="#">MFCT-090-MPTR</a>	Three ways with relief valve and electric unloading	90 (24)	210 (3000)	In line	G 1/2"	13.17.290
	<a href="#">MFCT-280-MVTR</a>	Three ways with relief valve and electric unloading	280 (74)	210 (3000)	In line	G 1"	13.17.300
	<a href="#">BPND-025-LLET</a>	Solenoid operated valves	25 (7)	350 (5000)	In line	G 1/2"	13.18.310
	<a href="#">MFCT-150-LHTR</a>	Three ways compensated with relief valve	150 (40)	210 (3000)	In line	G 1"	13.19.320
	<a href="#">MFPT-100-RHAR</a>	Pressure compensated, priority flow regulator	100 (26)	350 (5000)	In line	G 1/2"	13.20.330
	<a href="#">MFPT-200-RHAR</a>	Pressure compensated, priority flow regulator	200 (53)	350 (5000)	In line	G 3/4"	13.21.340
	<a href="#">MFPT-300-RHAR</a>	Pressure compensated, priority flow regulator	300 (79)	350 (5000)	In line	G 1"	13.21.350
	<a href="#">MFPT-100-MHAR</a>	Pressure compensated, priority flow regulator	100 (26)	350 (5000)	In line	G 1/2"	13.22.360
	<a href="#">MFPT-200-MHAR</a>	Pressure compensated, priority flow regulator	200 (53)	350 (5000)	In line	G 3/4"	13.22.370
	<a href="#">MFPT-300-MHAR</a>	Pressure compensated, priority flow regulator	300 (79)	350 (5000)	In line	G 1"	13.22.380
	<a href="#">MFPT-400-MHAR</a>	Pressure compensated, priority flow regulator	400 (106)	350 (5000)	In line	G 1" 1/4	13.23.390

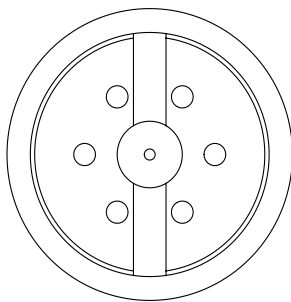
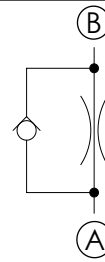
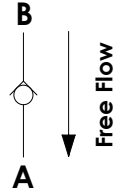
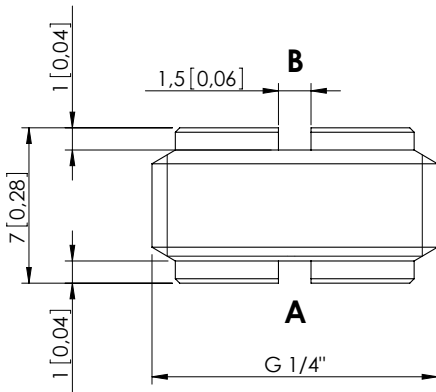
# FLOW CONTROL VALVES

Hydraulic scheme	Valve description	Valve type	Rated flow l/min (gpm)	Max. pressure bar (psi)	Installation	Main port size or cavity type	Page
	MFTT-100-MHAR	Pressure compensated, priority flow regulator	2x100 (2x26)	350 (5000)	In line	G 1/2"	13.24.400
	MFTT-200-MHAR	Pressure compensated, priority flow regulator	2x200 (2x53)	350 (5000)	In line	G 3/4"	13.24.410
	MFTT-300-MHAR	Pressure compensated, priority flow regulator	2x300 (2x79)	350 (5000)	In line	G 1"	13.24.420
	MFPT-100-MHAR	Proportional, priority flow regulator		350 (5000)	In line	G 1/2" - J 1/2"	13.25.430
	MFPT-200-MHAR	Proportional, priority flow regulator		350 (5000)	In line	G 3/4" - J 3/4"	13.25.450
	MFFT-100-MHAR	Proportional, priority flow regulator	2x100 (2x26)	350 (5000)	In line	G 1/2" - J 1/2"	13.26.440
	MFFT-200-MHAR	Proportional, priority flow regulator	2x200 (2x53)	350 (5000)	In line	G 3/4" - J 3/4"	13.26.460
	MFCZ-040-LSLR	Proportional valve, compensated	40 (11)	210 (3000)	In line	G 3/8"	13.27.470
	MFCZ-030-LSLR	Proportional valve, compensated	30 (8)	210 (3000)	In line	G 3/8"	13.27.470
	MFCZ-020-LSLR	Proportional valve, compensated	20 (5)	210 (3000)	In line	G 3/8"	13.27.470
	MFPC-140-AMLR	Proportional valve, compensated	90 (24)	210 (3000)	In line	G 1/2"	13.28.480
	MFPC-140-LMLR	Proportional valve, compensated	90 (24)	210 (3000)	In line	G 1/2"	13.29.490
	MFPC-140-TMLR	Proportional valve, compensated	90 (24)	210 (3000)	In line	G 1/2"	13.30.500
	MFPC-200-MMAR	Proportional valve, compensated	200 (53)	250 (3600)	In line	G 3/4"	13.31.510

FLOW CONTROL VALVES

# CFFN-015-MFSR

INSERT TYPE  
DOUBLE MOUNTING



Dimensions: mm [inches]

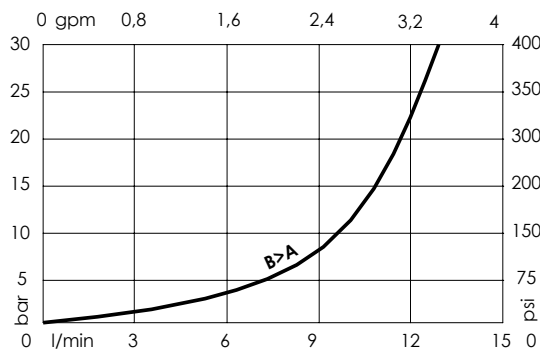
### SPECIFICATIONS

Max. operating pressure:	350 bar (5000 psi)
Rated flow:	15 l/min (4 gpm)
Cavity:	G 1/4"
Weight:	0,01 kg (0,02 lbs)
Installation torque:	5 Nm (4 ft-lb)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>a</sub> :	150 - 1200 years: See technical spec.

### NOTES

For other configurations/quick codes not available in this catalogue page please consult factory

### CURVES



### ORDERING CODES

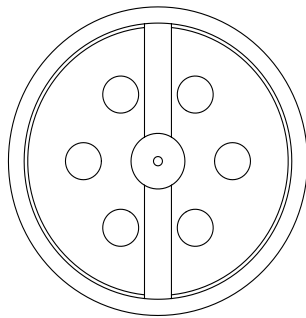
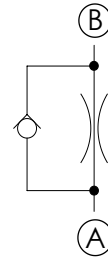
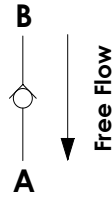
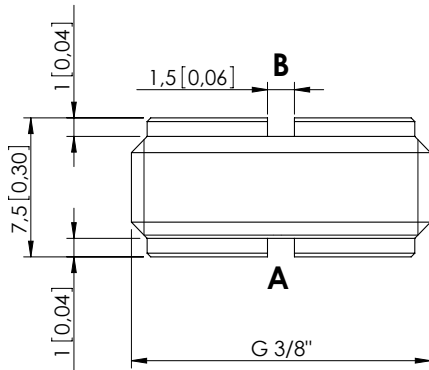
Quick code	Description	Ø Orifice	Quick code	Description	Ø Orifice
CF000118	CFFN-015-MFSR-05-G14-N350	0,5 [0,019]	CF000205	CFFN-015-MFSR-13-G14-N350	1,3 [0,051]
CF000119	CFFN-015-MFSR-06-G14-N350	0,6 [0,023]	CF000206	CFFN-015-MFSR-14-G14-N350	1,4 [0,055]
CF000120	CFFN-015-MFSR-07-G14-N350	0,7 [0,027]	CF000123	CFFN-015-MFSR-15-G14-N350	1,5 [0,059]
CF000121	CFFN-015-MFSR-08-G14-N350	0,8 [0,031]	CF000207	CFFN-015-MFSR-16-G14-N350	1,6 [0,063]
CF000203	CFFN-015-MFSR-09-G14-N350	0,9 [0,035]	CF000208	CFFN-015-MFSR-17-G14-N350	1,7 [0,067]
CF000088	CFFN-015-MFSR-10-G14-N350	1 [0,039]	CF000209	CFFN-015-MFSR-18-G14-N350	1,8 [0,071]
CF000204	CFFN-015-MFSR-11-G14-N350	1,1 [0,043]	CF000210	CFFN-015-MFSR-19-G14-N350	1,9 [0,074]
CF000122	CFFN-015-MFSR-12-G14-N350	1,2 [0,047]	CF000124	CFFN-015-MFSR-20-G14-N350	2 [0,079]

Revision A1

FLOW CONTROL VALVES

# CFFN-030-MFSR

INSERT TYPE  
DOUBLE MOUNTING



Dimensions: mm [inches]

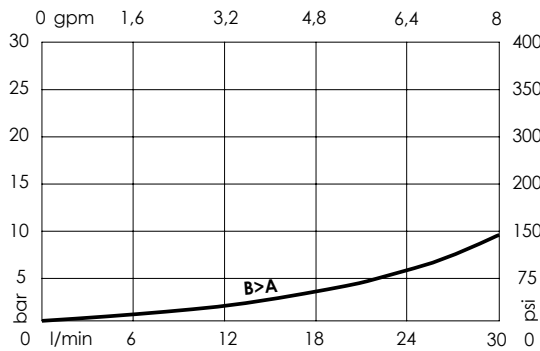
### SPECIFICATIONS

Max. operating pressure:	350 bar (5000 psi)
Rated flow:	30 l/min (8 gpm)
Cavity:	G 3/8"
Weight:	0,01 kg (0,02 lbs)
Installation torque:	10 Nm (7 ft-lb)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

### NOTES

For other configurations/quick codes not available in this catalogue page please consult factory

### CURVES



### ORDERING CODES

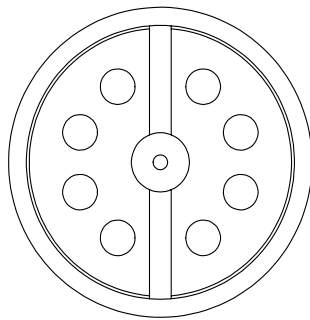
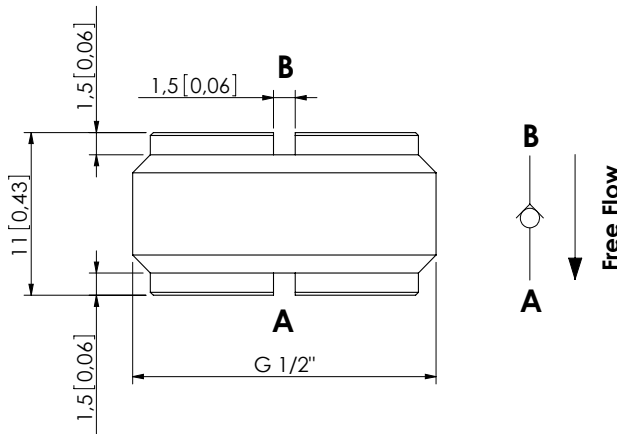
Quick code	Description	Ø Orifice	Quick code	Description	Ø Orifice
CF000068	CFFN-030-MFSR-05-G38-N350	0,5 [0,019]	CF000197	CFFN-030-MFSR-13-G38-N350	1,3 [0,051]
CF000069	CFFN-030-MFSR-06-G38-N350	0,6 [0,023]	CF000198	CFFN-030-MFSR-14-G38-N350	1,4 [0,055]
CF000070	CFFN-030-MFSR-07-G38-N350	0,7 [0,027]	CF000074	CFFN-030-MFSR-15-G38-N350	1,5 [0,059]
CF000071	CFFN-030-MFSR-08-G38-N350	0,8 [0,031]	CF000199	CFFN-030-MFSR-16-G38-N350	1,6 [0,063]
CF000195	CFFN-030-MFSR-09-G38-N350	0,9 [0,035]	CF000200	CFFN-030-MFSR-17-G38-N350	1,7 [0,067]
CF000072	CFFN-030-MFSR-10-G38-N350	1 [0,039]	CF000201	CFFN-030-MFSR-18-G38-N350	1,8 [0,071]
CF000196	CFFN-030-MFSR-11-G38-N350	1,1 [0,043]	CF000202	CFFN-030-MFSR-19-G38-N350	1,9 [0,074]
CF000073	CFFN-030-MFSR-12-G38-N350	1,2 [0,047]	CF000125	CFFN-030-MFSR-20-G38-N350	2 [0,079]

Revision A1

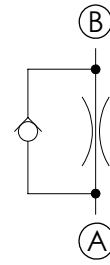
FLOW CONTROL VALVES

# CFFN-070-MFSR

INSERT TYPE  
DOUBLE MOUNTING



Dimensions: mm [inches]



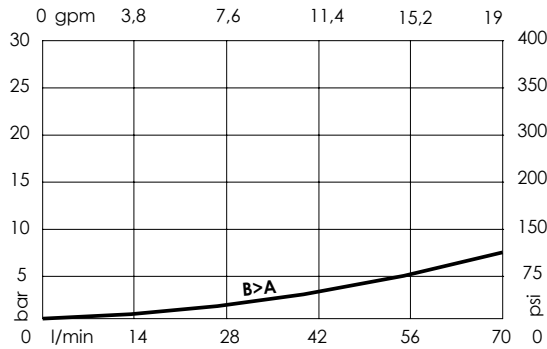
### SPECIFICATIONS

Max. operating pressure:	350 bar (5000 psi)
Rated flow:	70 l/min (19 gpm)
Cavity:	G 1/2"
Weight:	0,02 kg (0,04 lbs)
Installation torque:	10 Nm (7 ft-lb)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

### NOTES

For other configurations/quick codes not available in this catalogue page please consult factory

### CURVES



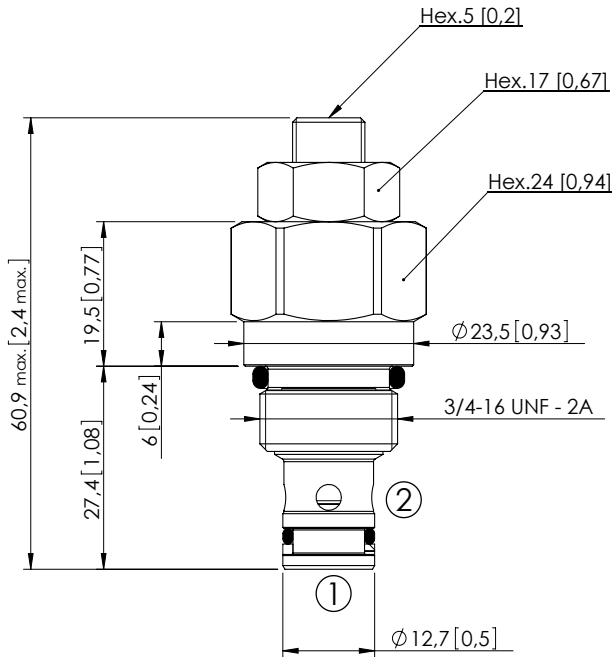
### ORDERING CODES

Quick code	Description	Ø Orifice	Quick code	Description	Ø Orifice
CF000127	CFFN-070-MFSR-10-G12-N350	1 [0,039]			
CF000128	CFFN-070-MFSR-15-G12-N350	1,5 [0,059]			
CF000352	CFFN-070-MFSR-18-G12-N350	1,8 [0,071]			
CF000117	CFFN-070-MFSR-20-G12-N350	2 [0,079]			
CF000129	CFFN-070-MFSR-25-G12-N350	2,5 [0,09]			
CF000130	CFFN-070-MFSR-30-G12-N350	3 [0,11]			
CF000080	CFFN-070-MFSR-33-G12-N350	3,3 [0,129]			

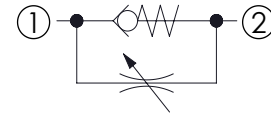
FLOW RESTRICTOR

# CFSN-040-MHRR

NEEDLE RESTRICTOR  
FREE REVERSE FLOW



Dimensions: mm [inches]



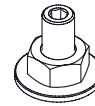
## SPECIFICATIONS

Max. operating pressure:	350 bar (5000 psi)
Rated flow:	40 l/min (11 gpm)
Cavity:	SAE-08-2N
Weight:	0,12 kg 0,26 lbs)
Seal kit:	RA700081
Installation torque:	45 - 50 Nm (33 - 37 ft-lb)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

## NOTES

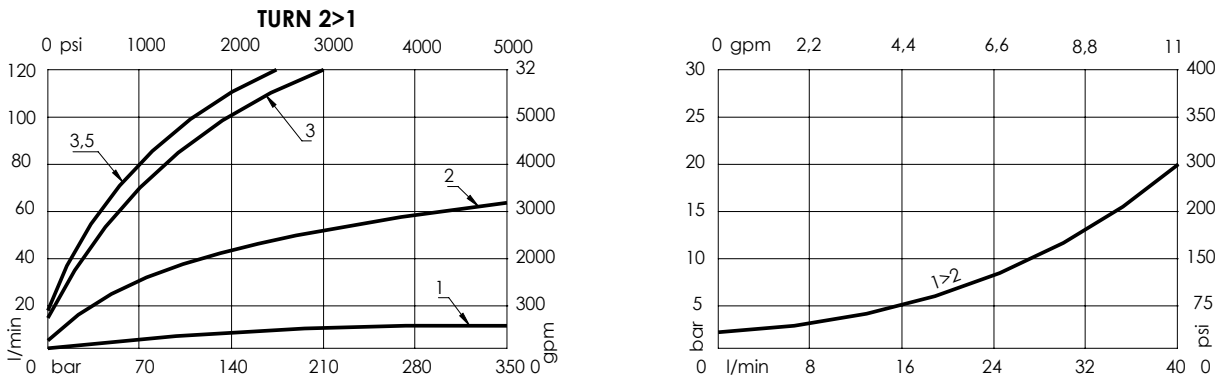
For other configurations/quick codes not available in this catalogue page please consult factory

## OPTIONS



Screw and locknut

## CURVES



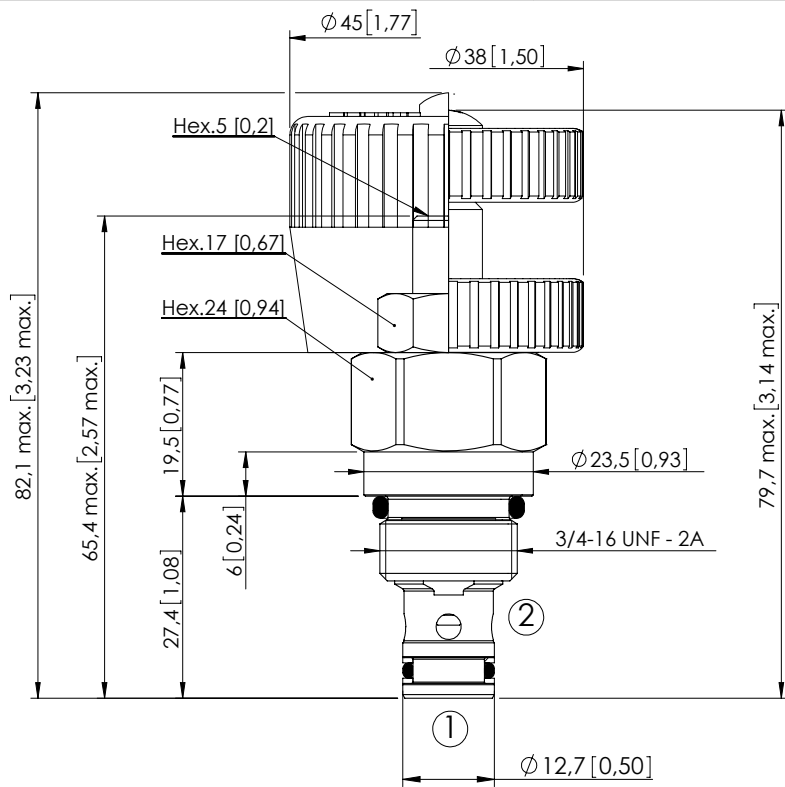
## ORDERING CODES

Quick code	Description	Options
CF000167	CFSN-040-MHRR-NP-S08-N350	Screw and locknut

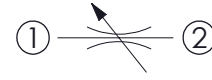


FLOW RESTRICTOR

# CFSN-040-BHRR



Dimensions: mm [inches]



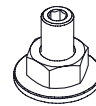
### SPECIFICATIONS

Max. operating pressure:	350 bar (5000 psi)
Rated flow:	40 l/min (11 gpm)
Cavity:	SAE 08 2N
Weight:	0,12 kg (0,26 lbs)
Seal kit:	RB700081
Installation torque:	45 - 50 Nm (33 - 37 ft-lb)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>a</sub> :	150 - 1200 years: See technical spec.

### NOTES

For other configurations/quick codes not available in this catalogue page please consult factory

### OPTIONS



Screw and locknut

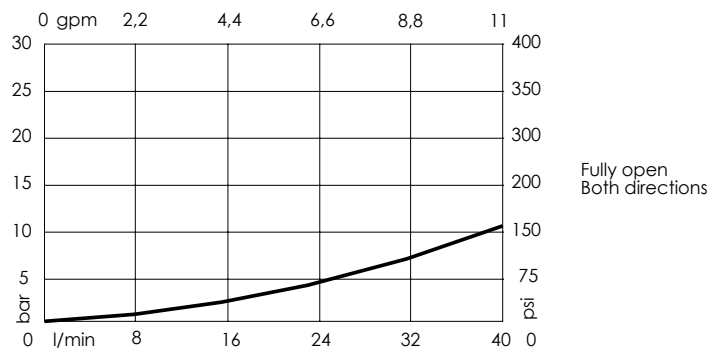


Handknob and locknut



Graduated handknob

### CURVES

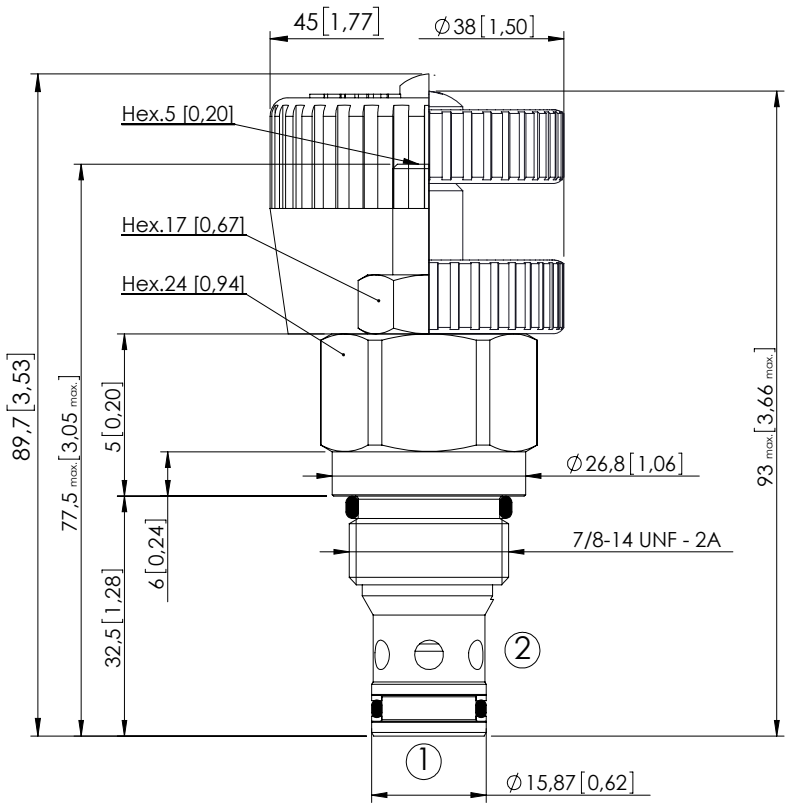


### ORDERING CODES

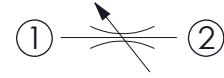
Quick code	Description	Options
CF000112	CFSN-040-BHRR-NP-S08-N350	Screw and locknut
CF000109	CFSN-040-BVRR-NP-S08-N350	Handknob and locknut
CF000253	CFSN-040-BMRR-NP-S08-N350	Graduated handknob

FLOW RESTRICTOR

# CFSN-070-BHRR



Dimensions: mm [inches]



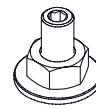
### SPECIFICATIONS

Max. operating pressure:	350 bar (5000 psi)
Rated flow:	70 l/min (19 gpm)
Cavity:	SAE 10 2N
Weight:	0,17 kg (0,37 lbs)
Seal kit:	RB700082
Installation torque:	55 - 62 Nm (41 - 46 ft-lb)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

### NOTES

For other configurations/quick codes not available in this catalogue page please consult factory

### OPTIONS



Screw and locknut

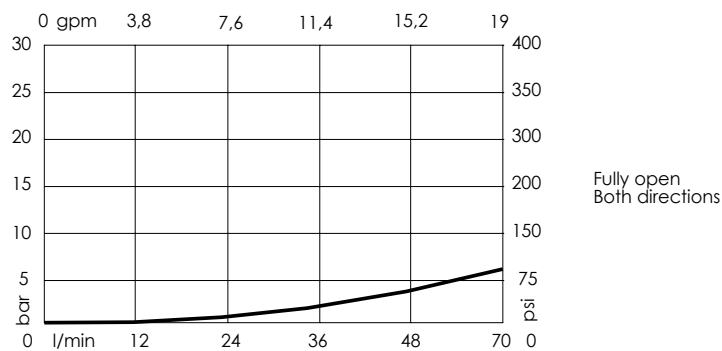


Handknob and locknut



Graduated handknob

### CURVES

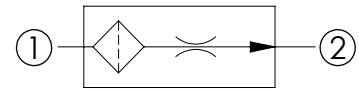
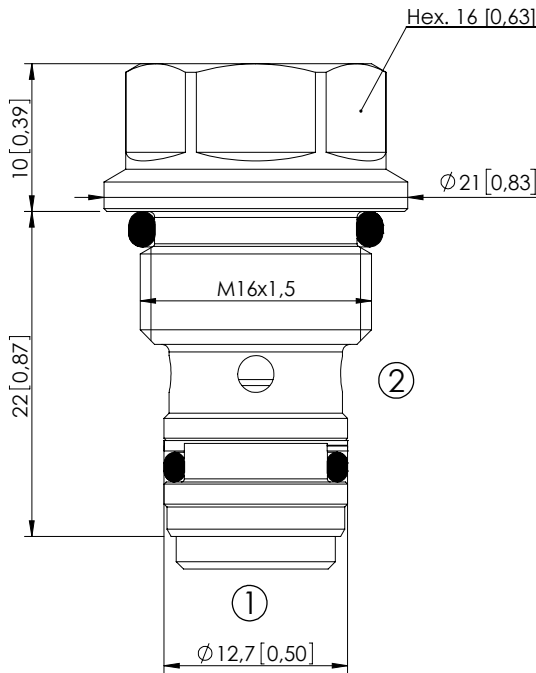


### ORDERING CODES

Quick code	Description	Options
CF000136	CFSN-070-BHRR-NP-S10-N350	Screw and locknut
CF000116	CFSN-070-BVRR-NP-S10-N350	Handknob and locknut
CF000225	CFSN-070-BMRR-NP-S10-N350	Graduated handknob

FLOW REGULATOR

# CFST-008-MFRR



### SPECIFICATIONS

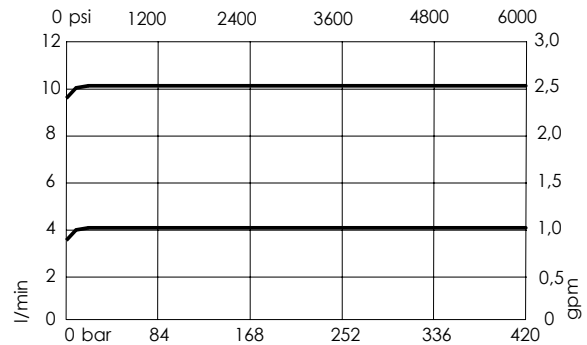
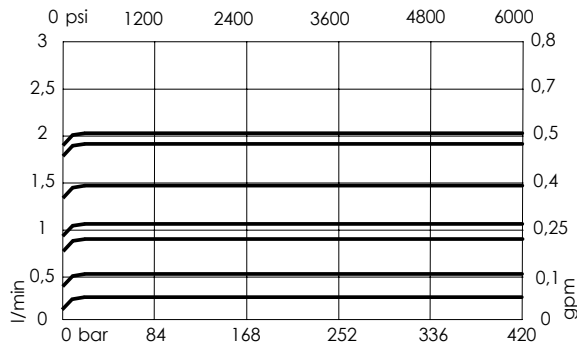
Max. operating pressure:	<b>420 bar (6000 psi)</b>
Rated flow:	<b>See table</b>
Cavity:	<b>VP000391</b>
Weight:	<b>0,04 kg (0,08 lbs)</b>
Contamination class to ISO 4406:	<b>See technical spec.</b>
Seal kit:	<b>RA700391</b>
Installation torque:	<b>34 - 41 Nm (25 - 30 ft.-lb)</b>
MTF <sub>a</sub> :	<b>150 - 1200 years: See technical spec.</b>

Dimensions: mm [inches]

### NOTES

For other configurations/quick codes not available in this catalogue page please consult factory

### CURVES



### ORDERING CODES

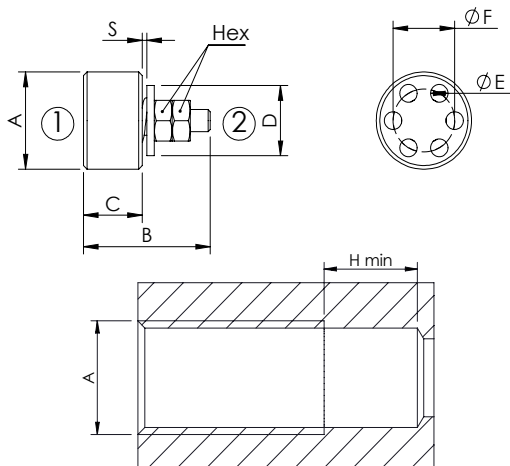
Quick code	Description	Regulated flow (±10%)		
CF000332	CFST-008-MFRR-03-391-N420	0,3 l/min (0,08 gpm)		
CF000221	CFST-008-MFRR-05-391-N420	0,5 l/min (0,1 gpm)		
CF000296	CFST-008-MFRR-07-391-N420	0,7 l/min (0,2 gpm)		
CF000231	CFST-008-MFRR-11-391-N420	1,1 l/min (0,3 gpm)		
CF000232	CFST-008-MFRR-14-391-N420	1,4 l/min (0,4 gpm)		
CF000233	CFST-008-MFRR-17-391-N420	1,7 l/min (0,45 gpm)		
CF000245	CFST-008-MFRR-20-391-N420	2 l/min (0,5 gpm)		
CF000425	CFST-008-MFRR-40-391-N420	4 l/min (1,0 gpm)		
CF000426	CFST-008-MFRR-99-391-N420	10 l/min (2,6 gpm)		

Revision B

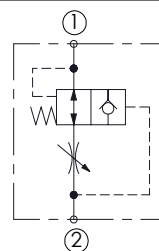
HOSE BURST VALVE

# CFHN-XXX-MHST

INSERT TYPE



Dimensions: mm [inches]



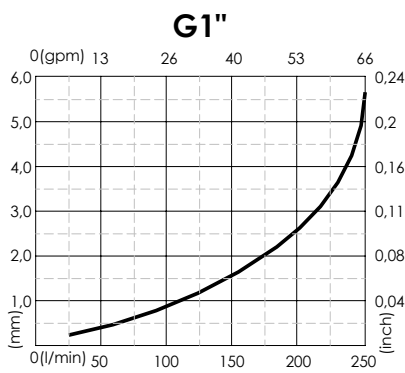
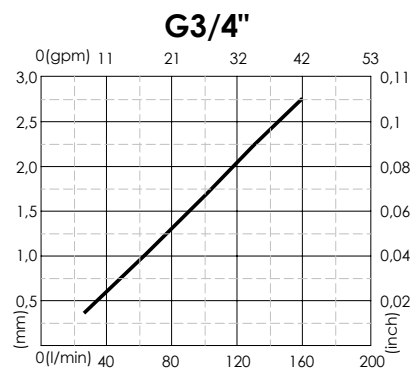
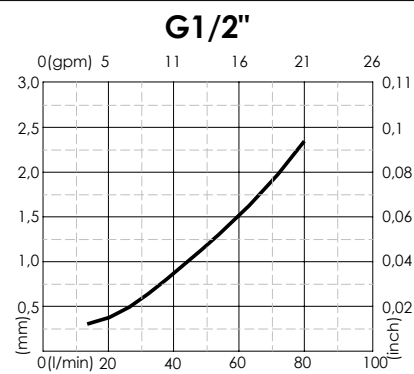
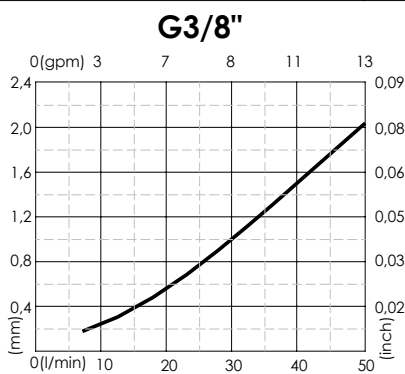
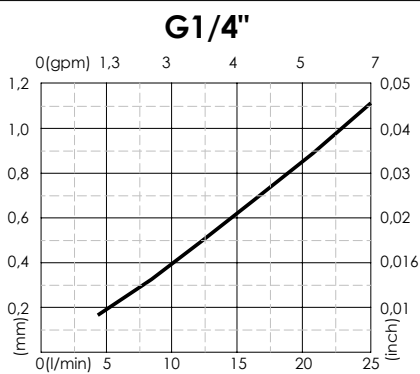
### SPECIFICATIONS

Max. operating pressure:	500 bar (7200 psi)
Rated flow:	See table
Weight:	6 - 45 g (0,01 - 0,1 lbs)
Contamination class to ISO 4406:	See technical spec.
MTFd:	150 - 1200 years: See technical spec.

### NOTES

For sleeve housing consult Accessories section  
 For other configurations/quick codes not available in this catalogue page please consult factory

### CURVES (S)



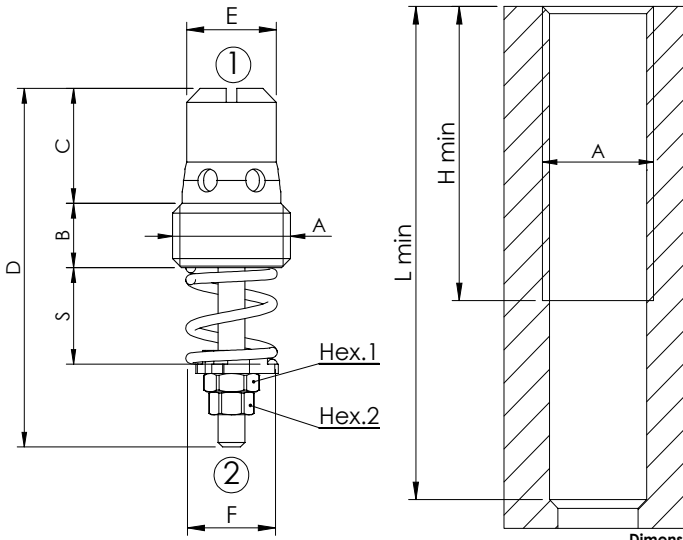
### ORDERING CODES

Quick code	Description	Max. flow	Min. flow	A	B	C	D	E	F	Hex.	H	Installation torque Nm [lb-in]
CF000348	CFHN-030-MHST-00-235	25 l/min (7 gpm)	4 l/min (1 gpm)	G 1/4"	17,5 [0,69]	8,1 [0,32]	9,5 [0,37]	2,4 [0,09]	8,5 [0,33]	5,5 [0,22]	11 [0,43]	8 [6]
CF000381	CFHN-050-MHST-00-234	50 l/min (13 gpm)	6,3 l/min (2 gpm)	G 3/8"	21 [0,83]	10,6 [0,42]	12,5 [0,49]	3,5 [0,14]	11 [0,43]	5,5 [0,22]	11 [0,43]	12 [9]
CF000379	CFHN-080-MHST-00-233	80 l/min (21 gpm)	16 l/min (4 gpm)	G 1/2"	25 [0,98]	12,1 [0,48]	15 [0,59]	4,5 [0,18]	13 [0,51]	7 [0,28]	15 [0,59]	18 [13]
CF000339	CFHN-160-MHST-00-195	160 l/min (42 gpm)	25 l/min (7 gpm)	G 3/4"	30,5 [1,2]	17,1 [0,67]	17,5 [0,69]	6 [0,24]	16 [0,63]	7 [0,28]	16 [0,63]	23 [17]
CF000382	CFHN-200-MHST-00-232	250 l/min (66 gpm)	80 l/min (21 gpm)	G 1"	38 [1,58]	22,1 [0,87]	26 [1,02]	7,5 [0,30]	19,5 [0,77]	7 [0,28]	20 [0,79]	25 [18]

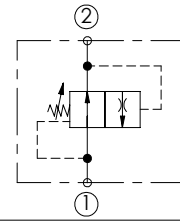
FLOW REGULATOR

# CFST-XXX-MDST

2 WAYS COMPENSATED  
INSERT TYPE



Dimensions: mm [inches]



**SPECIFICATIONS**

Max. operating pressure:	300 bar (4300 psi)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>a</sub> :	150 - 1200 years: See technical spec.

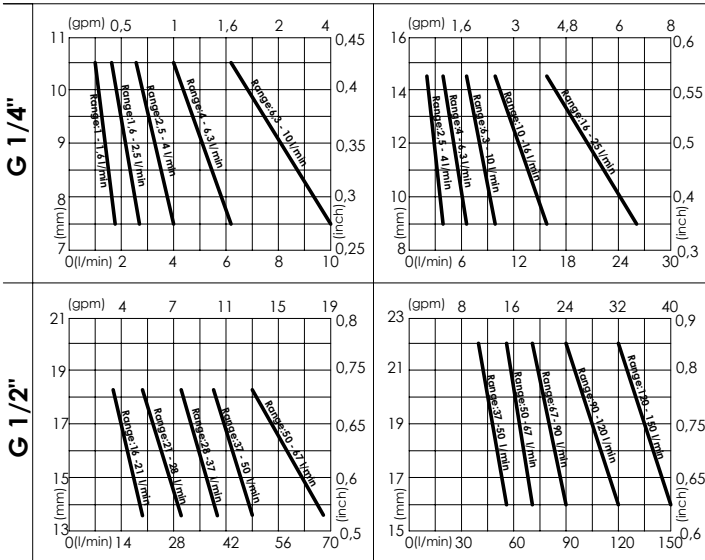
**NOTES**

For sleeve housing consult Accessories section  
For other configurations/quick codes not available in this catalogue page please consult factory

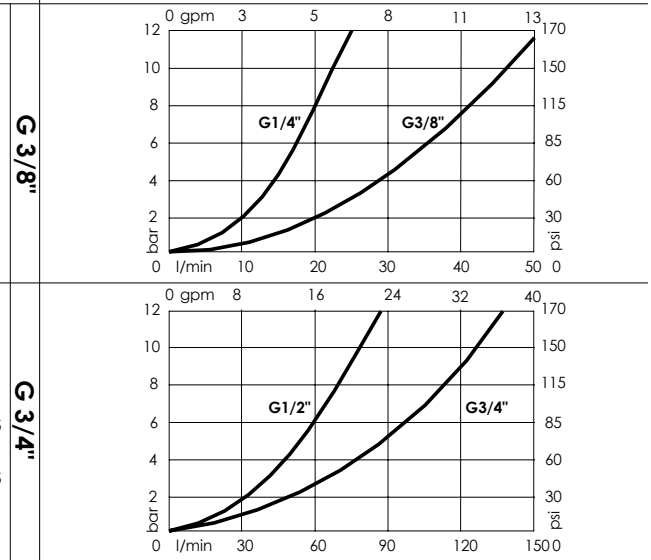
**SPECIFICATIONS**

A	B	C	D	E	F	H min	L min	Hex. 1	Hex. 2	Installation torque	Max. flow 2→1	Max. flow 1→2	Weight
G 1/4"	7 [0,27]	12,5 [0,49]	39 [1,54]	10 [0,39]	10,5 [0,41]	33 [1,30]	55 [2,17]	5,5 [0,22]	4,5 [0,18]	6 Nm (4 lb/ft)	10 l/min (3 gpm)	15 l/min (4 gpm)	13 g (0,03 lbs)
G 3/8"	7 [0,27]	13,5 [0,53]	43 [1,69]	11,5 [0,45]	13,5 [0,53]	34 [1,34]	60 [2,36]	7 [0,27]	6 [0,24]	8 Nm (6 lb/ft)	25 l/min (7 gpm)	30 l/min (8 gpm)	23 g (0,05 lbs)
G 1/2"	8 [0,31]	16 [0,63]	49 [1,93]	15 [0,59]	18 [0,71]	40 [1,57]	70 [2,76]	7 [0,27]	6 [0,24]	12 Nm (9 lb/ft)	67 l/min (18 gpm)	90 l/min (24 gpm)	40 g (0,08 lbs)
G 3/4"	10 [0,39]	21 [0,83]	61 [2,40]	20 [0,79]	23 [0,91]	51 [2,01]	80 [3,15]	7 [0,27]	6 [0,24]	16 Nm (12 lb/ft)	150 l/min (40 gpm)	150 l/min (40 gpm)	80 g (0,17 lbs)

**CURVES: SETTING LENGTH S**



**CURVES: 1>2**



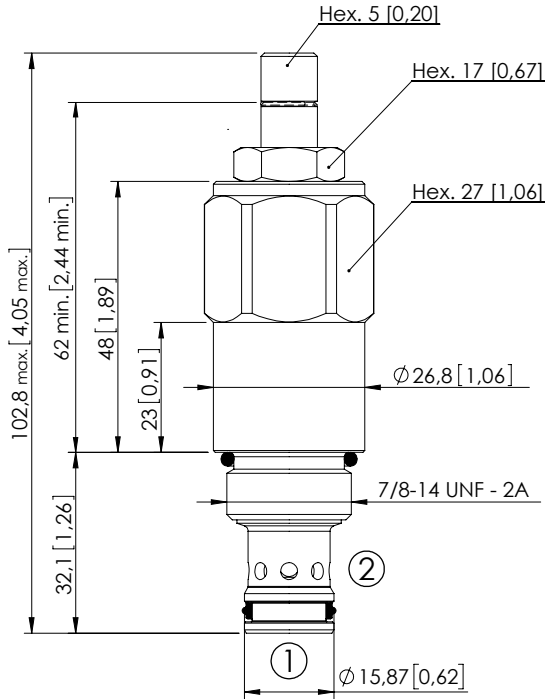
**ORDERING CODES**

G 1/4"		G 3/8"		G 1/2"		G 3/4"	
Quick code	Flow range adjustment	Quick code	Flow range adjustment	Quick code	Flow range adjustment	Quick code	Flow range adjustment
CF000104	1-1,6 l/min (0,3-0,4 gpm)	CF000099	2,5-4 l/min (0,7-1 gpm)	CF000093	16-21 l/min (4-6 gpm)	CF000096	37-50 l/min (10-13 gpm)
CF000105	1,6-2,5 l/min (0,4-0,7 gpm)	CF000100	4-6,3 l/min (1-1,7 gpm)	CF000094	21-28 l/min (6-7 gpm)	CF000097	50-67 l/min (13-18 gpm)
CF000106	2,5-4 l/min (0,7-1 gpm)	CF000101	6,3-10 l/min (1,7-3 gpm)	CF000095	28-37 l/min (7-10 gpm)	CF000098	67-90 l/min (18-24 gpm)
CF000107	4-6,3 l/min (1-1,7 gpm)	CF000102	10-16 l/min (3-4 gpm)	CF000081	37-50 l/min (10-13 gpm)	CF000083	90-120 l/min (24-32 gpm)
CF000108	6,3-10 l/min (1,7-3 gpm)	CF000103	16-25 l/min (4-7 gpm)	CF000082	50-67 l/min (13-18 gpm)	CF000092	120-150 l/min (32-40 gpm)

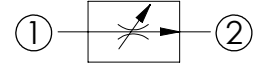
FLOW REGULATOR

# CFST-030-MHRR

2 WAYS COMBINATION  
ADJUSTABLE SETTING



Dimensions: mm [inches]



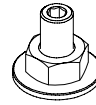
### SPECIFICATIONS

<b>Max. operating pressure:</b>	<b>350 bar (5000 psi)</b>
<b>Rated flow:</b>	<b>30 l/min (16 gpm)</b>
<b>Cavity:</b>	<b>SAE 10 2N</b>
<b>Weight:</b>	<b>0.26 kg (0,62 lbs)</b>
<b>Contamination class to ISO 4406:</b>	<b>See technical spec.</b>
<b>Seal kit:</b>	<b>RB600082</b>
<b>Installation torque:</b>	<b>55 - 62 Nm (41 - 46 ft-lb)</b>
<b>MTF<sub>a</sub>:</b>	<b>150 years</b>

### NOTES

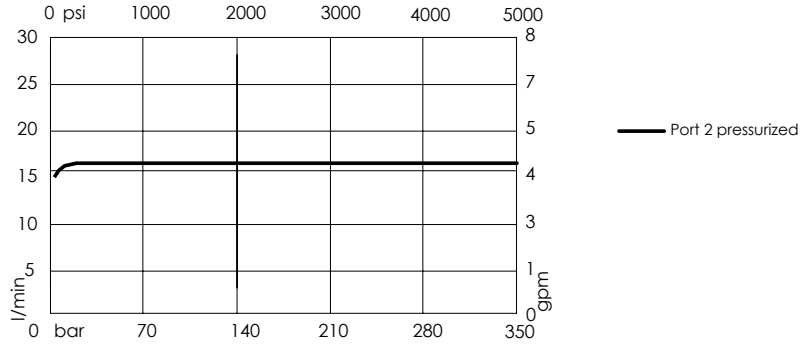
For other configurations/quick codes not available in this catalogue page please consult factory.

### OPTIONS



Screw and locknut

### CURVES



### ORDERING CODES

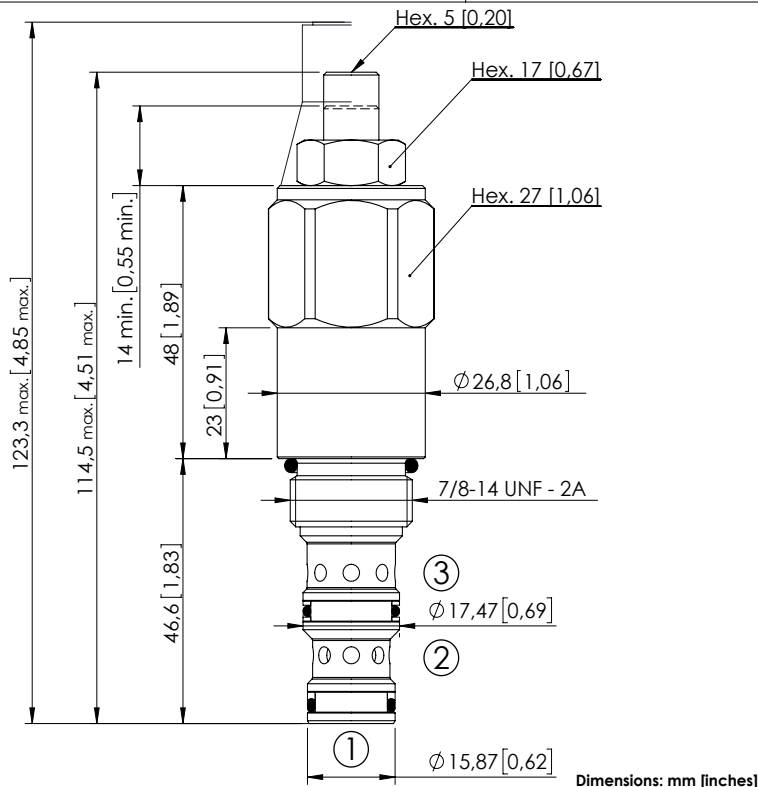
Quick code	Description	Max. inlet flow	Regulated flow range	Adjustment
CF000440	CFST-030-MHRR-23-S10-N350	30 l/min (16 gpm)	15,5-22,5 l/min (4-6 gpm)	Screw nut locknut

Revision A

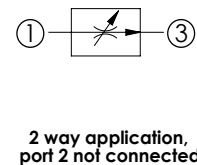
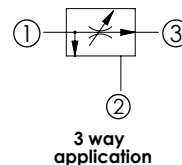
FLOW REGULATOR

# CFCT-060-MHRR

3 WAYS COMBINATION  
ADJUSTABLE SETTING



Dimensions: mm [inches]



### SPECIFICATIONS

Max. operating pressure:	350 bar (5000 psi)
Rated flow:	60 l/min (16 gpm)
Cavity:	SAE-10-3N
Weight:	0.28 kg (0.62 lbs)
Contamination class to ISO 4406:	See technical spec.
Seal kit:	RA700092
Installation torque:	55 - 62 Nm (41 - 46 ft-lb)
MTF <sub>a</sub> :	150 - 1200 years: See technical spec.

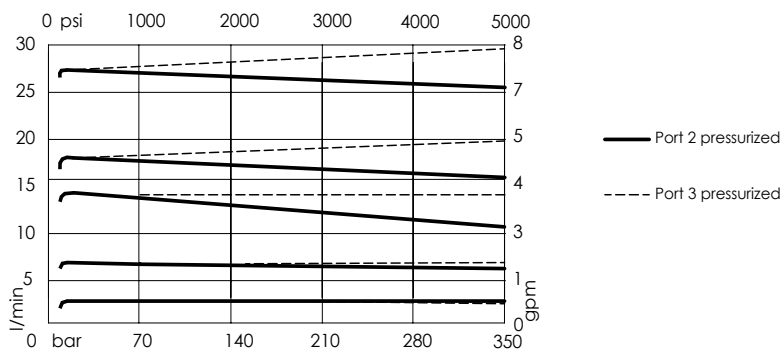
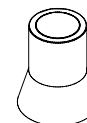
### NOTES

If port 2 is blocked the valve operates as a two way flow regulator. Port 2 can be pressurized. For other configurations/quick codes not available in this catalogue page please consult factory

### CURVES

### SEALING CAP

Ordering code:  
AT000022



### ORDERING CODES

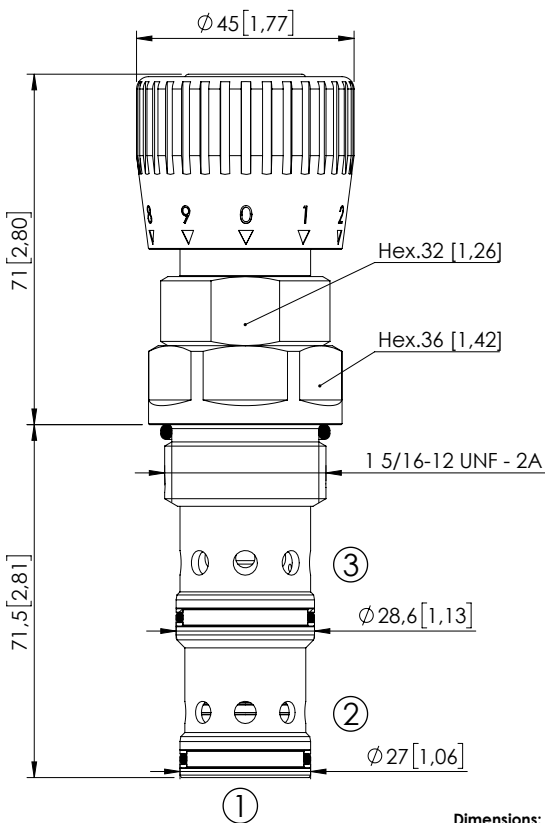
Quick code	Description	Max. inlet flow	Regulated flow range	Adjustment
CF000063	CFCT-060-MHRR-03-S10-N350	60 l/min (16 gpm)	2,5-3,5 l/min (0,6-0,9 gpm)	Screw nut locknut
CF000149	CFCT-060-MHRR-04-S10-N350	60 l/min (16 gpm)	3-4,5 l/min (0,8-1,2 gpm)	Screw nut locknut
CF000150	CFCT-060-MHRR-06-S10-N350	60 l/min (16 gpm)	4,2-6,2 l/min (1,1-1,6 gpm)	Screw nut locknut
CF000006	CFCT-060-MHRR-09-S10-N350	60 l/min (16 gpm)	5,8-9 l/min (1,5-2,3 gpm)	Screw nut locknut
CF000054	CFCT-060-MHRR-12-S10-N350	60 l/min (16 gpm)	8,5-12 l/min (2,2-3,2 gpm)	Screw nut locknut
CF000062	CFCT-060-MHRR-16-S10-N350	60 l/min (16 gpm)	11,5-16,5 l/min (3-4,3 gpm)	Screw nut locknut
CF000151	CFCT-060-MHRR-23-S10-N350	60 l/min (16 gpm)	15,5-22,5 l/min (4-6 gpm)	Screw nut locknut
CF000152	CFCT-060-MHRR-30-S10-N350	60 l/min (16 gpm)	20-29,5 l/min (5,2-7,8 gpm)	Screw nut locknut
CF000057	CFCT-060-MHRR-32-S10-N350	60 l/min (16 gpm)	26,5-35,5 l/min (7-9,3 gpm)	Screw nut locknut

Revision C1

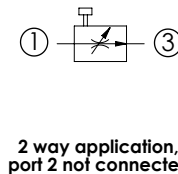
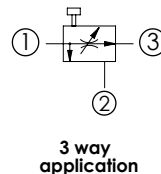
FLOW REGULATOR

# CFPT-140-MMRR

3 WAYS FLOW REGULATOR  
ADJUSTABLE SETTING



Dimensions: mm [inches]



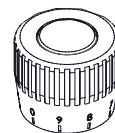
## SPECIFICATIONS

Max. operating pressure:	350 bar (5000 psi)
Rated flow:	140 l/min (37 gpm)
Cavity:	SAE-16-3N
Weight:	0,7 kg (1,54 lbs)
Seal kit:	RB700094
Installation torque:	118 - 132 Nm (160 - 179 ft-lb)
Contamination class to ISO 4406:	See technical spec.
MTTF <sub>a</sub> :	150 - 1200 years: See technical spec.

## NOTES

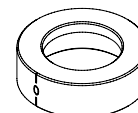
If port 2 is blocked the valve operates as a two way flow regulator.  
Port 2 can be pressurized.  
For other configurations/quick codes not available in this catalogue page please consult factory

## OPTIONS



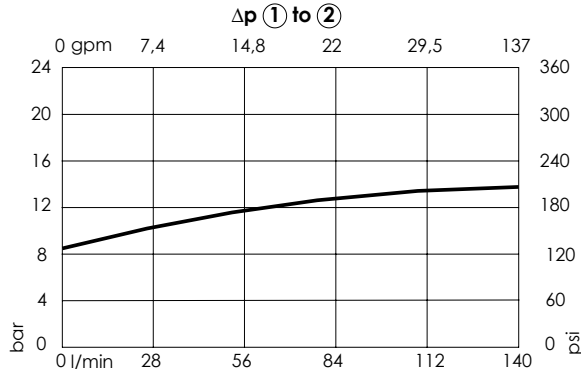
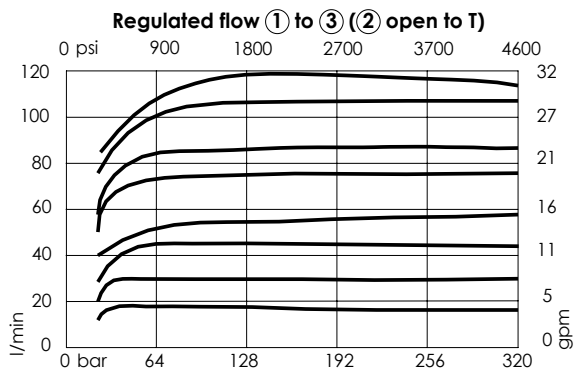
Graduated handknob for flow regulation under pressure

The washer is used to indicate the zero.



Ordering code: SV000083

## CURVES



## ORDERING CODES

Quick code	Description	Regulated flow range	Adjustment option
CF000310	CFPT-140-MMRR-15-S16-N350	0-15 l/min (0-4 gpm)	Graduated handknob
CF000311	CFPT-140-MMRR-25-S16-N350	0-25 l/min (0-7 gpm)	Graduated handknob
CF000312	CFPT-140-MMRR-40-S16-N350	0-40 l/min (0-11 gpm)	Graduated handknob
CF000313	CFPT-140-MMRR-50-S16-N350	0-50 l/min (0-13 gpm)	Graduated handknob
CF000314	CFPT-140-MMRR-65-S16-N350	0-65 l/min (0-17 gpm)	Graduated handknob
CF000315	CFPT-140-MMRR-80-S16-N350	0-80 l/min (0-21 gpm)	Graduated handknob
CF000450	CFPT-140-MMRR-100-S16-N350	0-100 l/min (0-27 gpm)	Graduated handknob
CF000451	CFPT-140-MMRR-120-S16-N350	0-120 l/min (0-32 gpm)	Graduated handknob

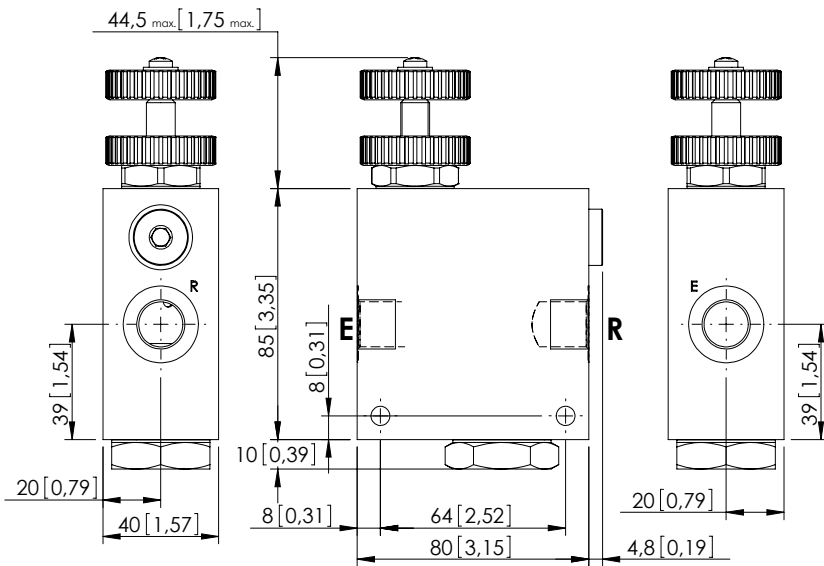
Revision B1



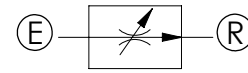
FLOW REGULATOR

# MFST-030-RVTR

2 WAYS COMPENSATED



Dimensions: mm [inches]



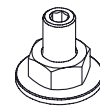
### SPECIFICATIONS

Max. operating pressure:	See table
Rated flow:	See table
Weight:	0,95/2,05 kg (2,09/4,5 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

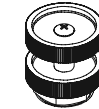
### NOTES

Regulation: FINE  
 For other configurations/quick codes not available in this catalogue page please consult factory

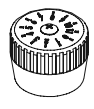
### OPTIONS



Screw and locknut

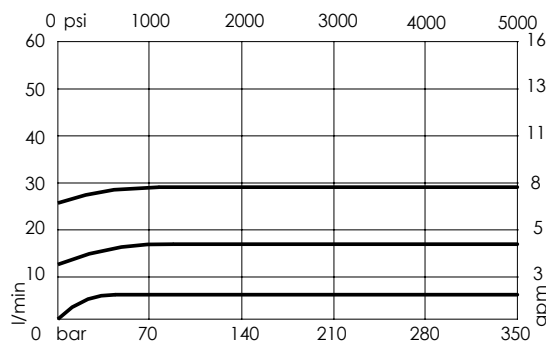


Handknob and locknut



Graduated handknob

### CURVES



### ORDERING CODES

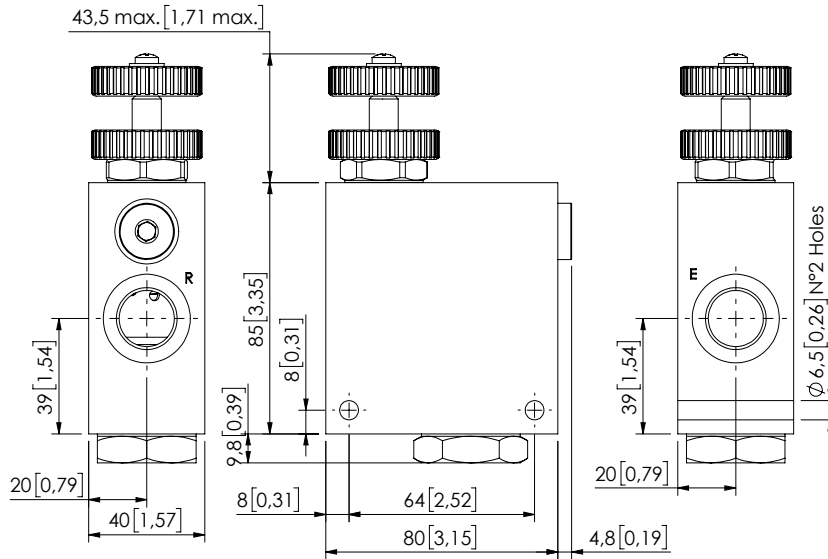
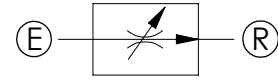
Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Max. regulated flow	Options
MF000241	MFST-030-RVTR-30-G38-N210	E,R: G 3/8"	Aluminium	210 bar (3000 psi)	30 l/min (8 gpm)	30 l/min (8 gpm)	Handknob and locknut
MF000242	MFST-030-RHTR-30-G38-N210	E,R: G 3/8"	Aluminium	210 bar (3000 psi)	30 l/min (8 gpm)	30 l/min (8 gpm)	Screw and locknut
MF000243	MFST-030-RMTR-30-G38-N210	E,R: G 3/8"	Aluminium	210 bar (3000 psi)	30 l/min (8 gpm)	30 l/min (8 gpm)	Graduated handknob
MF000244	MFST-030-RVSR-30-G38-N350	E,R: G 3/8"	Steel	350 bar (5000 psi)	30 l/min (8 gpm)	30 l/min (8 gpm)	Handknob and locknut
MF000245	MFST-030-RHSR-30-G38-N350	E,R: G 3/8"	Steel	350 bar (5000 psi)	30 l/min (8 gpm)	30 l/min (8 gpm)	Screw and locknut
MF000246	MFST-030-RMSR-30-G38-N350	E,R: G 3/8"	Steel	350 bar (5000 psi)	30 l/min (8 gpm)	30 l/min (8 gpm)	Graduated handknob

Revision B1

FLOW REGULATOR

# MFST-055-RVTR

2 WAYS COMPENSATED



Dimensions: mm [inches]

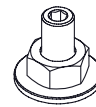
### SPECIFICATIONS

Max. operating pressure:	See table
Rated flow:	See table
Weight:	0,94/2,01 kg (2,07/4,43 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

### NOTES

Regulation: FINE  
 For other configurations/quick codes not available in this catalogue page please consult factory

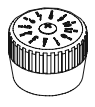
### OPTIONS



Screw and locknut

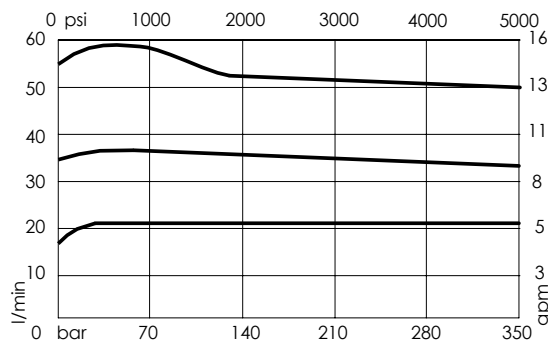


Handknob and locknut



Graduated handknob

### CURVES



### ORDERING CODES

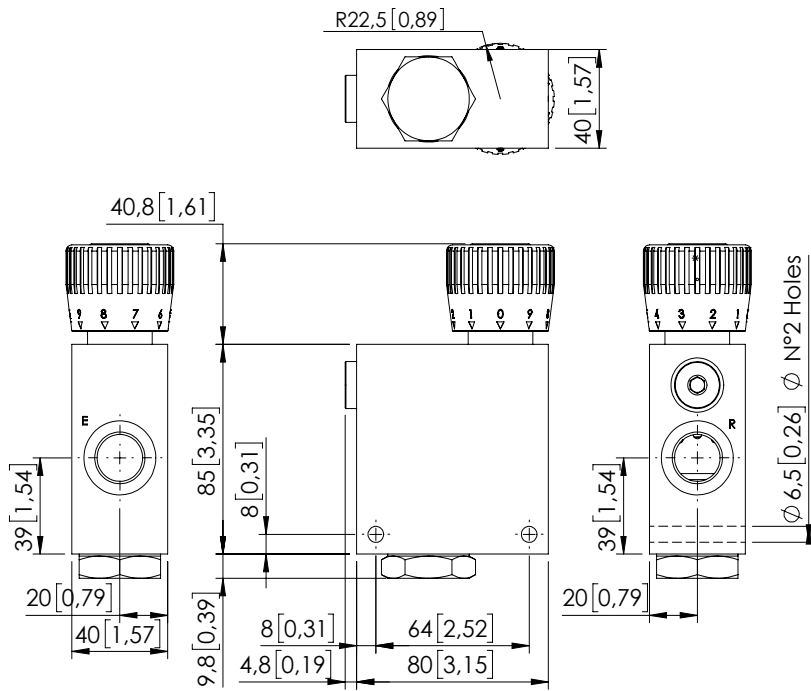
Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Max. regulated flow	Options
MF000052	MFST-055-RVTR-55-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	55 l/min (15 gpm)	55 l/min (15 gpm)	Handknob and locknut
MF000238	MFST-055-RHTR-55-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	55 l/min (15 gpm)	55 l/min (15 gpm)	Screw and locknut
MF000106	MFST-055-RMTR-55-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	55 l/min (15 gpm)	55 l/min (15 gpm)	Graduated handknob
MF000148	MFST-055-RVSR-55-G12-N350	E,R: G 1/2"	Steel	350 bar (5000 psi)	55 l/min (15 gpm)	55 l/min (15 gpm)	Handknob and locknut
MF000239	MFST-055-RHSR-55-G12-N350	E,R: G 1/2"	Steel	350 bar (5000 psi)	55 l/min (15 gpm)	55 l/min (15 gpm)	Screw and locknut
MF000240	MFST-055-RMSR-55-G12-N350	E,R: G 1/2"	Steel	350 bar (5000 psi)	55 l/min (15 gpm)	55 l/min (15 gpm)	Graduated handknob

Revision A1

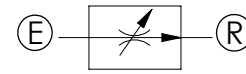
FLOW REGULATOR

# MFST-090-RPZR

2 WAYS COMPENSATED



Dimensions: mm [inches]



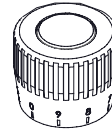
### SPECIFICATIONS

Max. operating pressure:	See table
Rated flow:	See table
Weight:	1,09 kg (2,38 lbs)
Contamination class to ISO 4406:	See technical spec.
MTTF <sub>a</sub> :	150 - 1200 years: See technical spec.

### NOTES

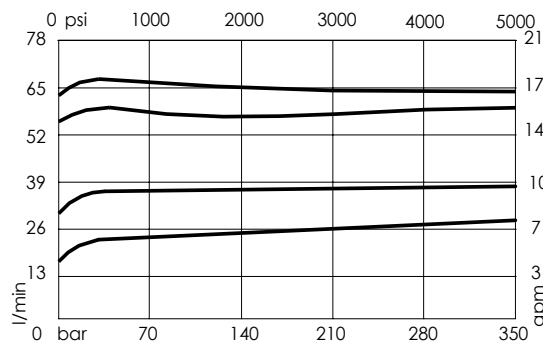
For other configurations/quick codes not available in this catalogue page please consult factory

### OPTIONS



Graduated handknob for flow regulation under pressure

### CURVES



### ORDERING CODES

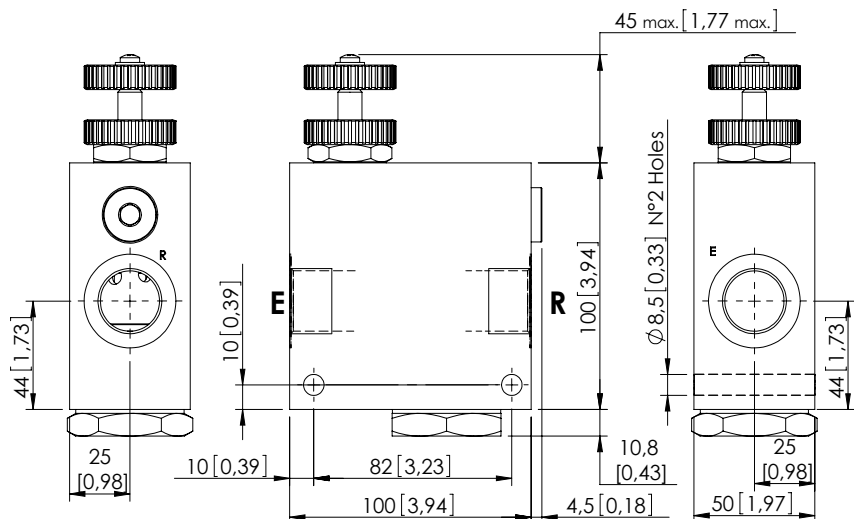
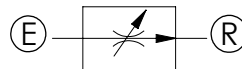
Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Regulated flow range	Options
MF000186	MFST-090-RPZR-06-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-6 l/min (0-1,5 gpm)	Graduated handknob
MF000187	MFST-090-RPZR-12-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-12 l/min (0-3 gpm)	Graduated handknob
MF000188	MFST-090-RPZR-25-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-25 l/min (7 gpm)	Graduated handknob
MF000189	MFST-090-RPZR-32-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-32 l/min (0-9 gpm)	Graduated handknob
MF000190	MFST-090-RPZR-50-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-50 l/min (0-13 gpm)	Graduated handknob
MF000191	MFST-090-RPZR-63-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-63 l/min (0-17 gpm)	Graduated handknob

Revision C1

FLOW REGULATOR

# MFST-090-RVTR

2 WAYS COMPENSATED



### SPECIFICATIONS

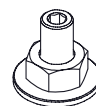
Max. operating pressure:	See table
Rated flow:	See table
Weight:	1,66/3,60 kg (3,65/8 lbs)
Contamination class to ISO 4406:	See technical spec.
MTTFd:	150 - 1200 years: See technical spec.

### NOTES

Regulation: STANDARD

For other configurations/quick codes not available in this catalogue page please consult factory

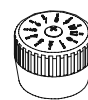
### OPTIONS



Screw and locknut

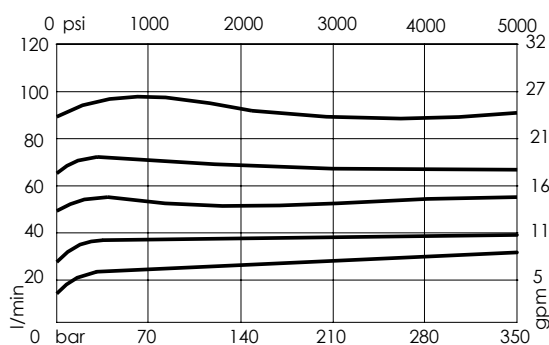


Handknob and locknut



Graduated handknob

### CURVES



### ORDERING CODES

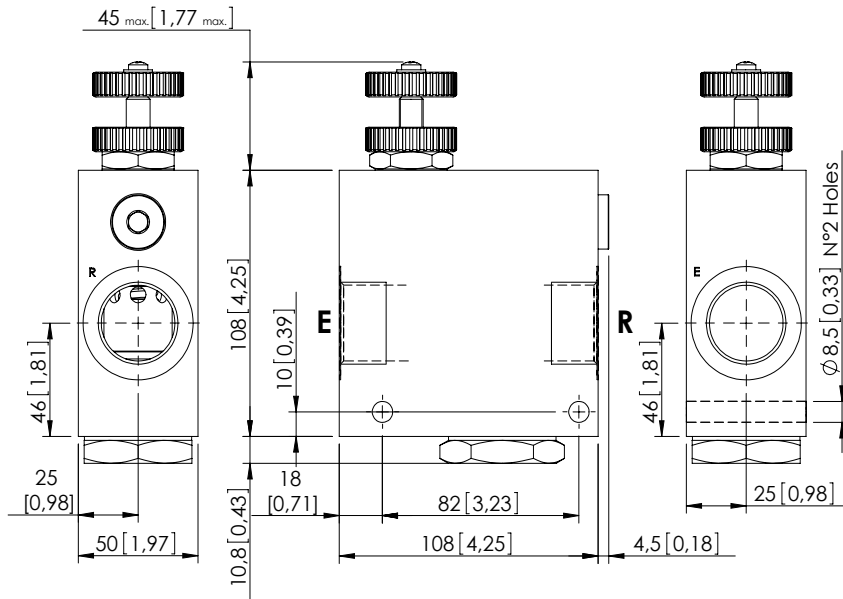
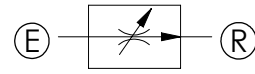
Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Max. regulated flow	Options
MF000042	MFST-090-RVTR-90-G34-N210	E,R: G 3/4"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	90 l/min (24 gpm)	Handknob and locknut
MF000234	MFST-090-RHTR-90-G34-N210	E,R: G 3/4"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	90 l/min (24 gpm)	Screw and locknut
MF000235	MFST-090-RMTR-90-G34-N210	E,R: G 3/4"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	90 l/min (24 gpm)	Graduated and locknut
MF000139	MFST-090-RVTR-90-G34-N350	E,R: G 3/4"	Steel	350 bar (5000 psi)	90 l/min (24 gpm)	90 l/min (24 gpm)	Handknob and locknut
MF000236	MFST-090-RHTR-90-G34-N350	E,R: G 3/4"	Steel	350 bar (5000 psi)	90 l/min (24 gpm)	90 l/min (24 gpm)	Screw and locknut
MF000237	MFST-090-RMTR-90-G34-N350	E,R: G 3/4"	Steel	350 bar (5000 psi)	90 l/min (24 gpm)	90 l/min (24 gpm)	Graduated and locknut

Revision A1

FLOW REGULATOR

# MFST-190-RVTR

2 WAYS COMPENSATED



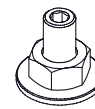
### SPECIFICATIONS

Max. operating pressure:	See table
Rated flow:	See table
Weight:	1,8/4 kg (3,9/8,8 lbs)
Contamination class to ISO 4406:	See technical spec.
MTTFa:	150 - 1200 years: See technical spec.

### NOTES

Regulation: STANDARD  
 For other configurations/quick codes not available in this catalogue page please consult factory

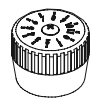
### OPTIONS



Screw and locknut

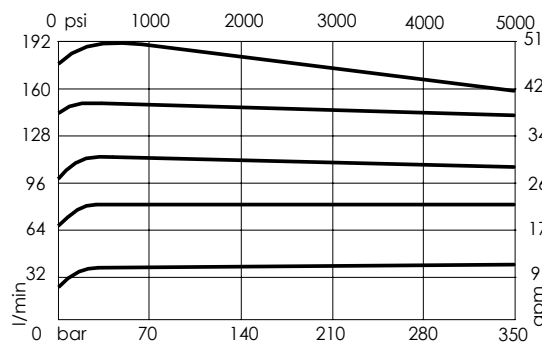


Handknob and locknut



Graduated handknob

### CURVES



### ORDERING CODES

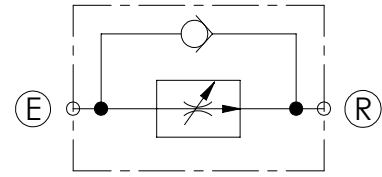
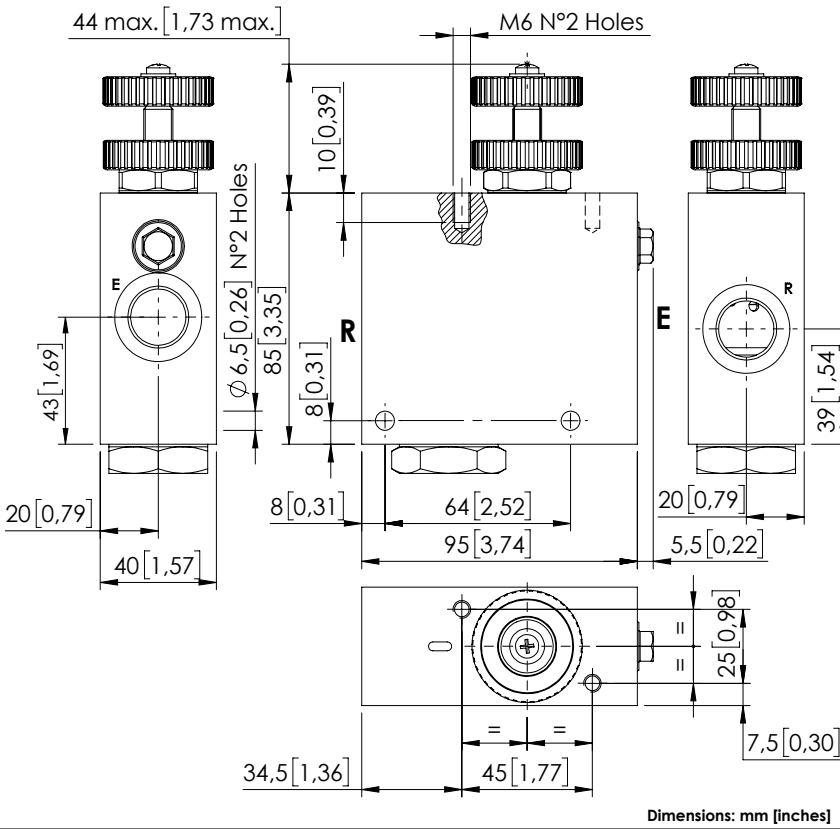
Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Max. regulated flow	Options
MF000253	MFST-190-RVTR-19-G10-N210	E,R: G 1"	Aluminium	210 bar (3000 psi)	190 l/min (50 gpm)	190 l/min (50 gpm)	Handknob and locknut
MF000254	MFST-190-RHTR-19-G10-N210	E,R: G 1"	Aluminium	210 bar (3000 psi)	190 l/min (50 gpm)	190 l/min (50 gpm)	Screw and locknut
MF000255	MFST-190-RMTR-19-G10-N210	E,R: G 1"	Aluminium	210 bar (3000 psi)	190 l/min (50 gpm)	190 l/min (50 gpm)	Graduated handknob
MF000256	MFST-190-RVSR-19-G10-N350	E,R: G 1"	Steel	350 bar (5000 psi)	190 l/min (50 gpm)	190 l/min (50 gpm)	Handknob and locknut
MF000257	MFST-190-RHSR-19-G10-N350	E,R: G 1"	Steel	350 bar (5000 psi)	190 l/min (50 gpm)	190 l/min (50 gpm)	Screw and locknut
MF000258	MFST-190-RMSR-19-G10-N350	E,R: G 1"	Steel	350 bar (5000 psi)	190 l/min (50 gpm)	190 l/min (50 gpm)	Graduated handknob

Revision A1

FLOW REGULATOR

# MFST-055-VVTR

2 WAYS COMPENSATED  
WITH CHECK VALVE



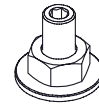
## SPECIFICATIONS

Max. operating pressure:	See table
Rated flow:	See table
Weight:	1,07 kg (2,35 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

## NOTES

Regulating: FINE  
For other configurations/quick codes not available in this catalogue page please consult factory

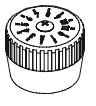
## OPTIONS



Screw and locknut

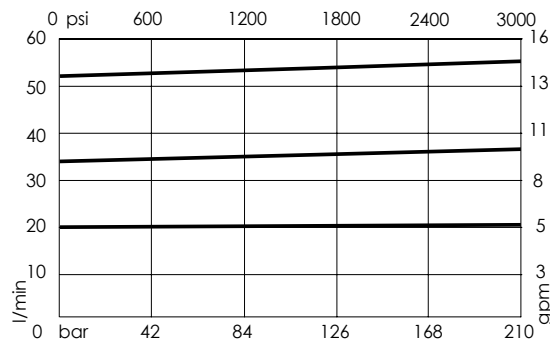


Handknob and locknut



Graduated handknob

## CURVES



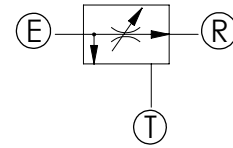
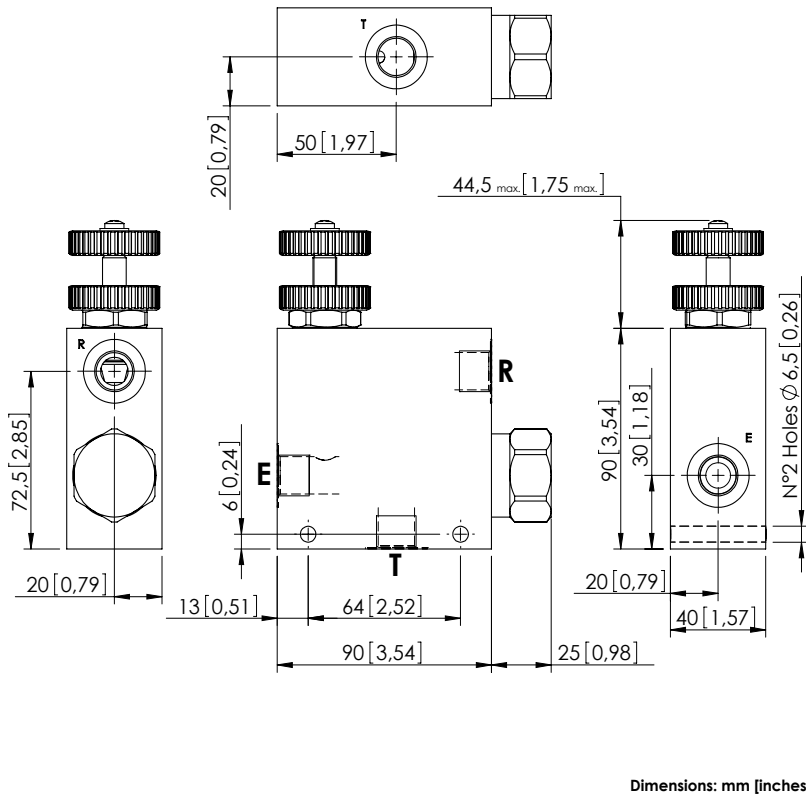
## ORDERING CODES

Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Max. regulated flow	Options
MF000131	MFST-055-VVTR-55-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	55 l/min (15 gpm)	Handknob and locknut
MF000375	MFST-055-VHTR-55-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	55 l/min (15 gpm)	Screw and locknut
MF000146	MFST-055-VMTR-55-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	55 l/min (15 gpm)	Graduated handknob

FLOW REGULATOR

# MFCT-055-RVTR

3 WAYS COMPENSATED



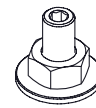
### SPECIFICATIONS

Max. operating pressure:	See table
Rated flow:	See table
Weight:	1,13/2,5 kg (2,5/5,5 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

### NOTES

Regulation: FINE  
 For other configurations/quick codes not available in this catalogue page please consult factory

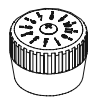
### OPTIONS



Screw and locknut

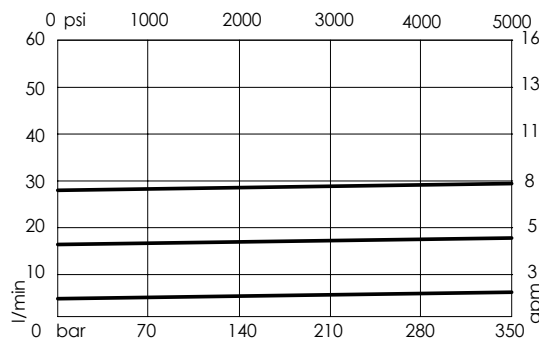


Handknob and locknut



Graduated handknob

### CURVES



### ORDERING CODES

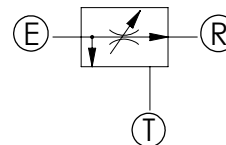
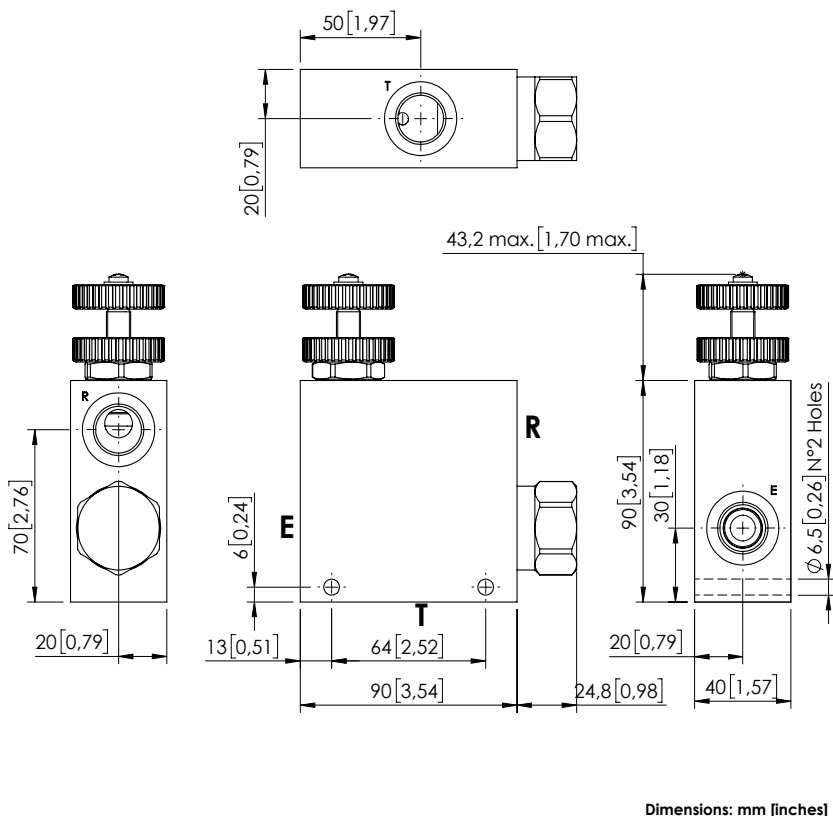
Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Max. regulated flow	Options
MF000008	MFCT-055-RVTR-30-G38-N210	E,R: G 3/8"	Aluminium	210 bar (3000 psi)	55 l/min (15 gpm)	30 l/min (8 gpm)	Handknob and locknut
MF000009	MFCT-055-RHTR-30-G38-N210	E,R: G 3/8"	Aluminium	210 bar (3000 psi)	55 l/min (15 gpm)	30 l/min (8 gpm)	Screw and locknut
MF000010	MFCT-055-RMTR-30-G38-N210	E,R: G 3/8"	Aluminium	210 bar (3000 psi)	55 l/min (15 gpm)	30 l/min (8 gpm)	Graduated handknob
MF000089	MFCT-055-RVSR-30-G38-N350	E,R: G 3/8"	Steel	350 bar (5000 psi)	55 l/min (15 gpm)	30 l/min (8 gpm)	Handknob and locknut
MF000090	MFCT-055-RHSR-30-G38-N350	E,R: G 3/8"	Steel	350 bar (5000 psi)	55 l/min (15 gpm)	30 l/min (8 gpm)	Screw and locknut
MF000091	MFCT-055-RMSR-30-G38-N350	E,R: G 3/8"	Steel	350 bar (5000 psi)	55 l/min (15 gpm)	30 l/min (8 gpm)	Graduated handknob

Revision B1

FLOW REGULATOR

# MFCT-090-RVTR

3 WAYS COMPENSATED



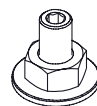
### SPECIFICATIONS

Max. operating pressure:	See table
Rated flow:	See table
Weight:	1,11/2,5 kg (2,5/5,5 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

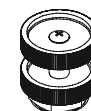
### NOTES

Regulation: FINE  
 For other configurations/quick codes not available in this catalogue page please consult factory

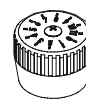
### OPTIONS



Screw and locknut

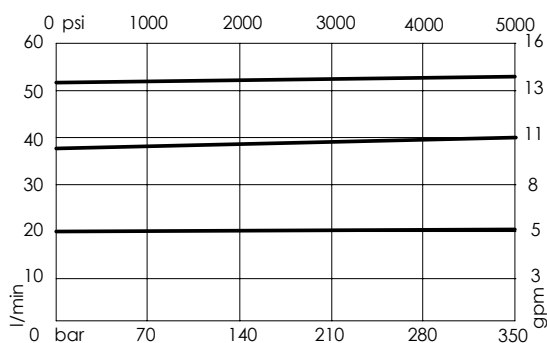


Handknob and locknut



Graduated handknob

### CURVES



### ORDERING CODES

Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Max. regulated flow	Options
MF000015	MFCT-090-RVTR-55-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	55 l/min (15 gpm)	Handknob and locknut
MF000016	MFCT-090-RHTR-55-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	55 l/min (15 gpm)	Screw and locknut
MF000014	MFCT-090-RMTR-55-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	55 l/min (15 gpm)	Graduated handknob
MF000095	MFCT-090-RVSR-55-G12-N350	E,R: G 1/2"	Steel	350 bar (5000 psi)	90 l/min (24 gpm)	55 l/min (15 gpm)	Handknob and locknut
MF000096	MFCT-090-RHSR-55-G12-N350	E,R: G 1/2"	Steel	350 bar (5000 psi)	90 l/min (24 gpm)	55 l/min (15 gpm)	Screw and locknut
MF000097	MFCT-090-RMSR-55-G12-N350	E,R: G 1/2"	Steel	350 bar (5000 psi)	90 l/min (24 gpm)	55 l/min (15 gpm)	Graduated handknob

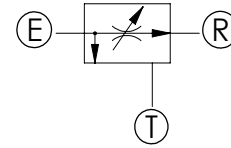
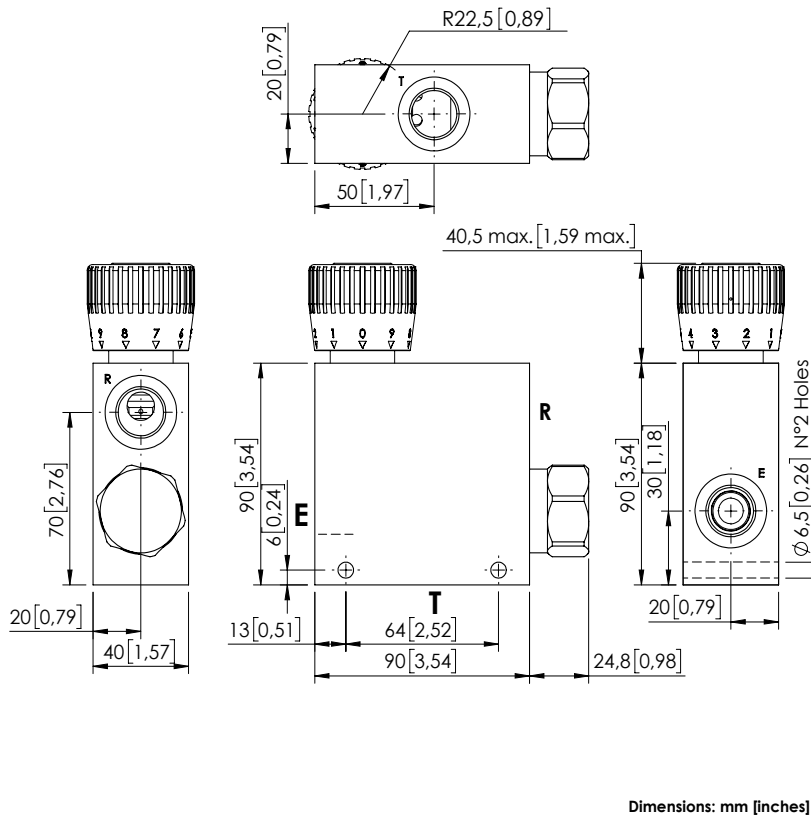
Revision B1



FLOW REGULATOR

# MFCT-090-RPZR

3 WAYS COMPENSATED



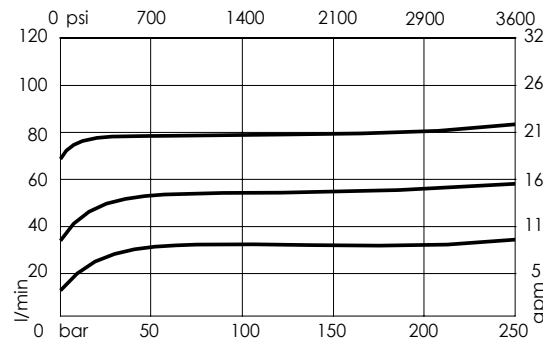
## SPECIFICATIONS

Max. operating pressure:	See table
Rated flow:	See table
Weight:	1,25 kg (2,6 lbs)
Contamination class to ISO 4406:	See technical spec.
MTTF <sub>d</sub> :	150 - 1200 years: See technical spec.

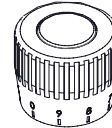
## NOTES

For other configurations/quick codes not available in this catalogue page please consult factory

## CURVES



## OPTIONS



Graduated handknob for flow regulation under pressure

## ORDERING CODES

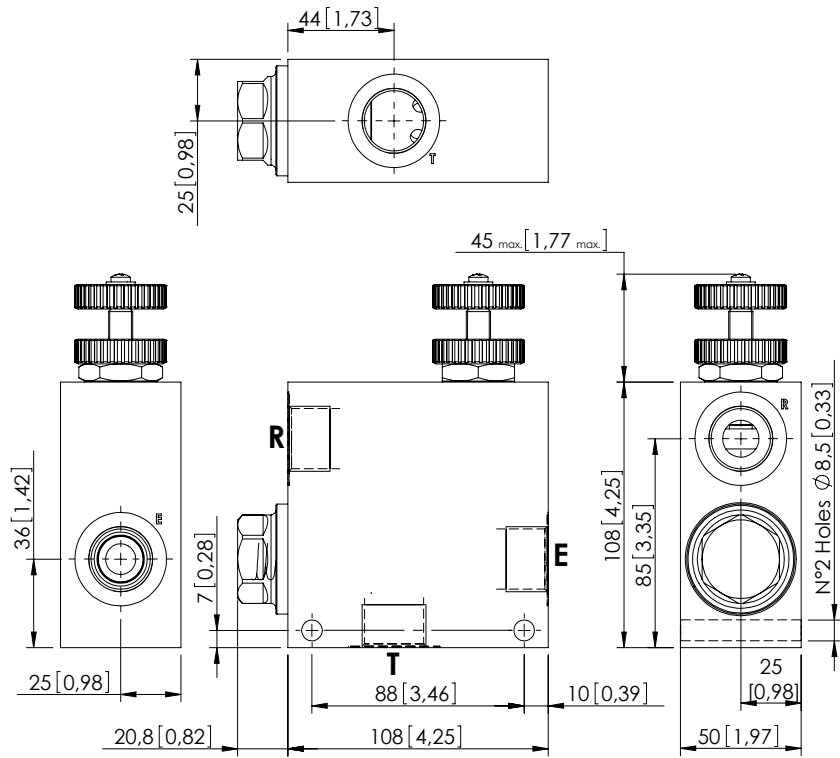
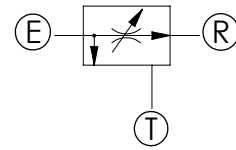
Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Regulated flow range	Options
MF000194	MFCT-090-RPZR-06-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-6 l/min (0-1,5 gpm)	Graduated handknob
MF000195	MFCT-090-RPZR-12-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-12 l/min (0-3 gpm)	Graduated handknob
MF000196	MFCT-090-RPZR-25-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-25 l/min (7 gpm)	Graduated handknob
MF000197	MFCT-090-RPZR-32-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-32 l/min (0-9 gpm)	Graduated handknob
MF000198	MFCT-090-RPZR-50-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-50 l/min (0-13 gpm)	Graduated handknob
MF000199	MFCT-090-RPZR-63-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-63 l/min (0-17 gpm)	Graduated handknob
MF000200	MFCT-090-RPZR-70-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-70 l/min (0-19 gpm)	Graduated handknob
MF000201	MFCT-090-RPZR-80-G12-N210	E,R: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-80 l/min (0-21 gpm)	Graduated handknob

Revision C1

FLOW REGULATOR

# MFCT-150-RVTR

3 WAYS COMPENSATED



### SPECIFICATIONS

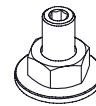
Max. operating pressure:	See table
Rated flow:	See table
Weight:	1,8/4,2 kg (4/9,2 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

### NOTES

Regulation: STANDARD

For other configurations/quick codes not available in this catalogue page please consult factory

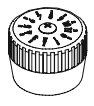
### OPTIONS



Screw and locknut

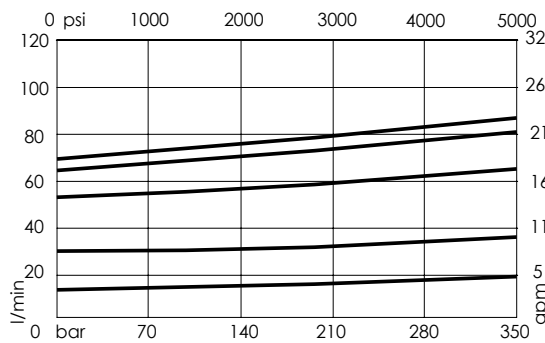


Handknob and locknut



Graduated handknob

### CURVES



### ORDERING CODES

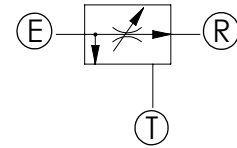
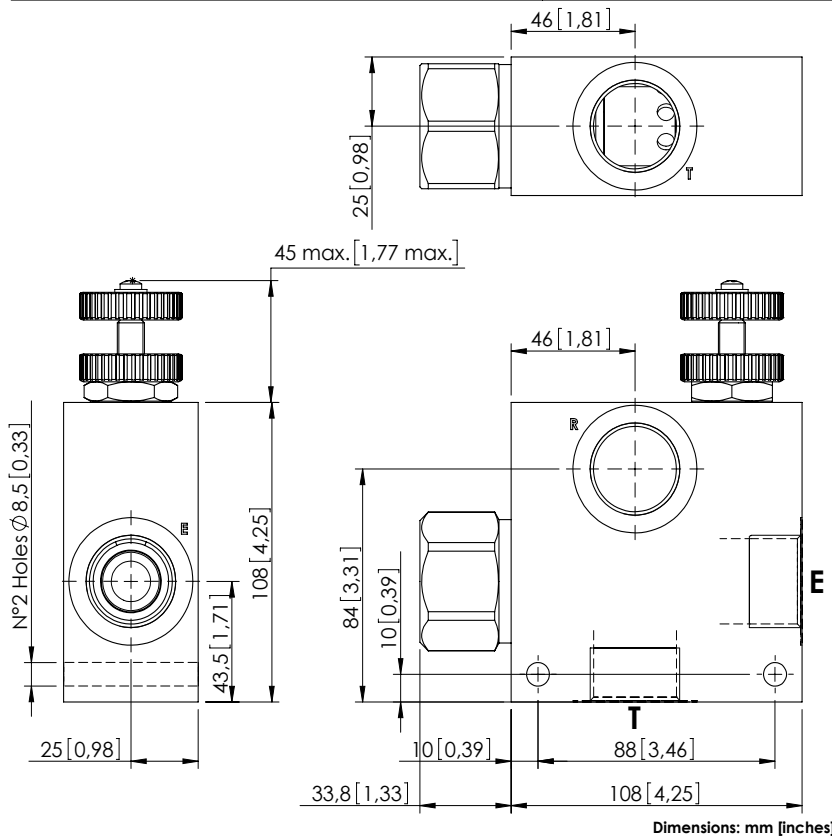
Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Max. regulated flow	Options
MF000031	MFCT-150-RVTR-90-G34-N210	E,R: G 3/4"	Aluminium	210 bar (3000 psi)	150 l/min (40 gpm)	90 l/min (24 gpm)	Handknob and locknut
MF000032	MFCT-150-RHTR-90-G34-N210	E,R: G 3/4"	Aluminium	210 bar (3000 psi)	150 l/min (40 gpm)	90 l/min (24 gpm)	Screw and locknut
MF000033	MFCT-150-RMTR-90-G34-N210	E,R: G 3/4"	Aluminium	210 bar (3000 psi)	150 l/min (40 gpm)	90 l/min (24 gpm)	Graduated handknob
MF000023	MFCT-150-RVSR-90-G34-N350	E,R: G 3/4"	Steel	350 bar (5000 psi)	150 l/min (40 gpm)	90 l/min (24 gpm)	Handknob and locknut
MF000024	MFCT-150-RHSR-90-G34-N350	E,R: G 3/4"	Steel	350 bar (5000 psi)	150 l/min (40 gpm)	90 l/min (24 gpm)	Screw and locknut
MF000025	MFCT-150-RMSR-90-G34-N350	E,R: G 3/4"	Steel	350 bar (5000 psi)	150 l/min (40 gpm)	90 l/min (24 gpm)	Graduated handknob

Revision B1

FLOW REGULATOR

# MFCT-280-RVTR

3 WAYS COMPENSATED



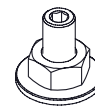
**SPECIFICATIONS**

Max. operating pressure:	See table
Rated flow:	See table
Weight:	1.96/4 kg (4,3/8,8 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>a</sub> :	150 - 1200 years: See technical spec.

**NOTES**

Regulating: STANDARD  
 For other configurations/quick codes not available in this catalogue page please consult factory

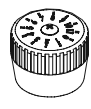
**OPTIONS**



Screw and locknut

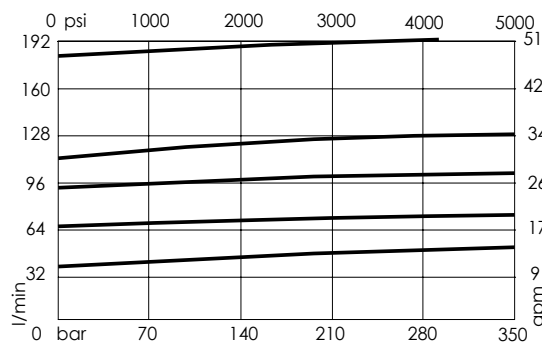


Handknob and locknut



Graduated handknob

**CURVES**



**ORDERING CODES**

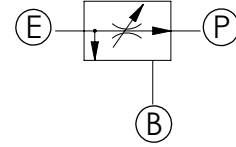
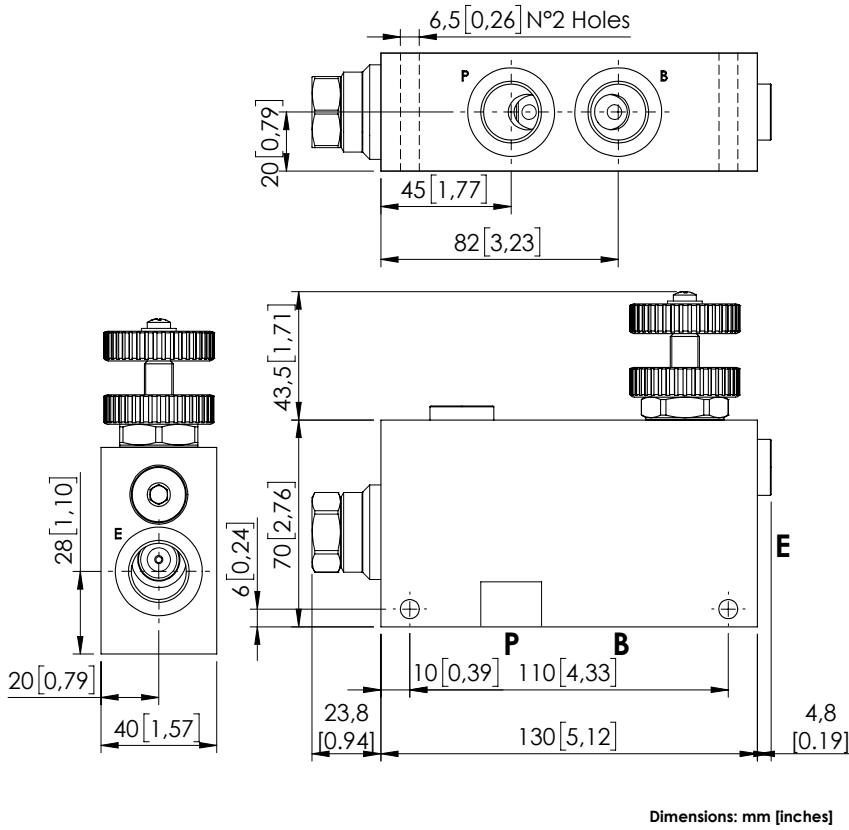
Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Max. regulated flow	Options
MF000035	MFCT-280-RVTR-19-G10-N210	E,R: G 1"	Aluminium	210 bar (3000 psi)	280 l/min (74 gpm)	190 l/min (50 gpm)	Handknob and locknut
MF000036	MFCT-280-RHTR-19-G10-N210	E,R: G 1"	Aluminium	210 bar (3000 psi)	280 l/min (74 gpm)	190 l/min (50 gpm)	Screw and locknut
MF000037	MFCT-280-RMTR-19-G10-N210	E,R: G 1"	Aluminium	210 bar (3000 psi)	280 l/min (74 gpm)	190 l/min (50 gpm)	Graduated handknob
MF000026	MFCT-280-RVSR-19-G10-N350	E,R: G 1"	Steel	350 bar (5000 psi)	280 l/min (74 gpm)	190 l/min (50 gpm)	Handknob and locknut
MF000027	MFCT-280-RHSR-19-G10-N350	E,R: G 1"	Steel	350 bar (5000 psi)	280 l/min (74 gpm)	190 l/min (50 gpm)	Screw and locknut
MF000028	MFCT-280-RMSR-19-G10-N350	E,R: G 1"	Steel	350 bar (5000 psi)	280 l/min (74 gpm)	190 l/min (50 gpm)	Graduated handknob

Revision C

FLOW REGULATOR

# MFPT-090-RVTR

PRESSURE COMPENSATED  
PRIORITY FLOW REGULATOR



### SPECIFICATIONS

Max. operating pressure:	See table
Rated flow:	See table
Weight:	1,2 kg (2,6 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

### NOTES

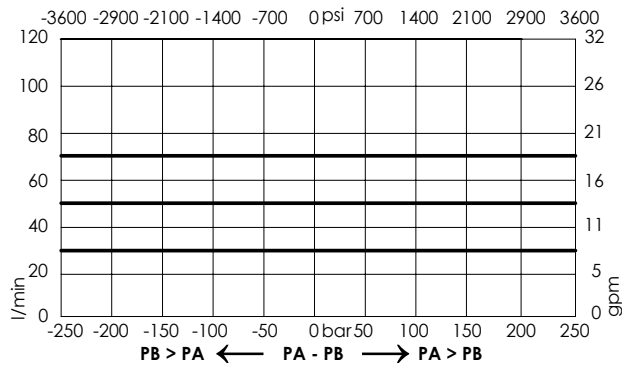
For other configurations/quick codes not available in this catalogue page please consult factory

### OPTIONS



Handknob and locknut

### CURVES



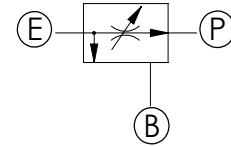
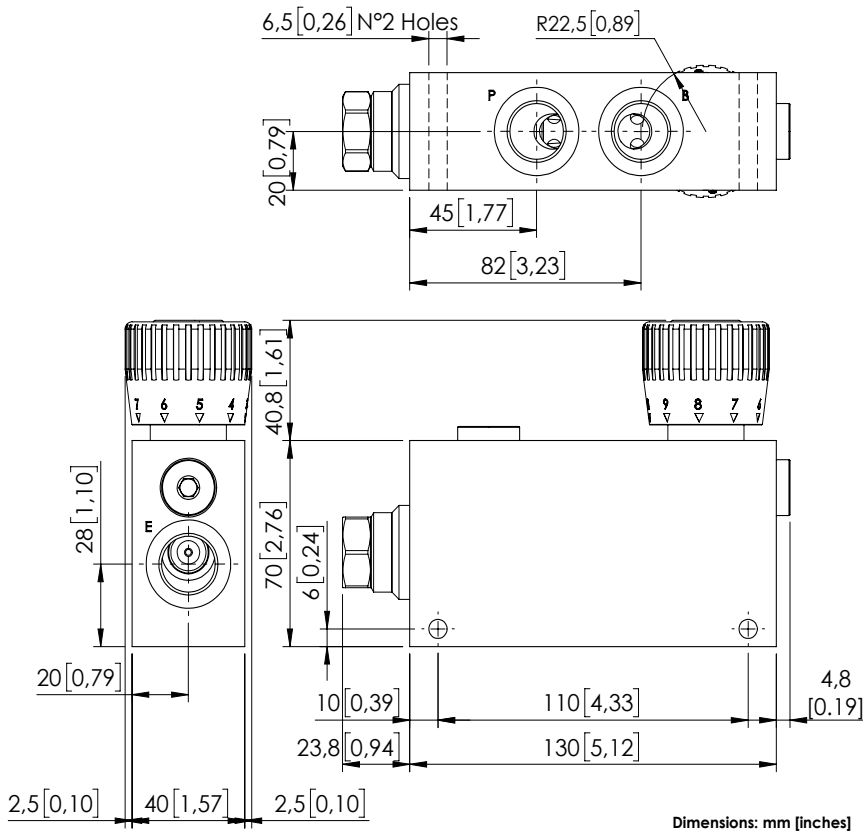
### ORDERING CODES

Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Max. regulated flow	Options
MF000121	MFPT-090-RVTR-70-G12-N210	E,P,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	70 l/min (19 gpm)	Handknob and locknut
MF000136	MFPT-090-RVTR-70-G38-N210	E,P,T: G3/8"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	70 l/min (19 gpm)	Handknob and locknut

FLOW REGULATOR

# MFPT-090-RPZR

PRESSURE COMPENSATED  
PRIORITY FLOW REGULATOR



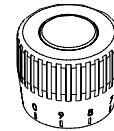
### SPECIFICATIONS

Max. operating pressure:	See table
Rated flow:	See table
Weight:	1,3 kg (2,8 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

### NOTES

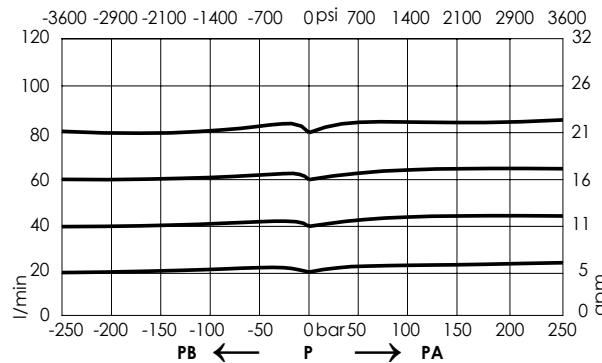
For other configurations/quick codes not available in this catalogue page please consult factory

### OPTIONS



Graduated handknob  
for flow regulation  
under pressure

### CURVES



### ORDERING CODES

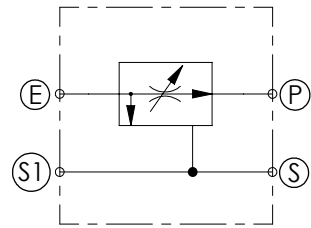
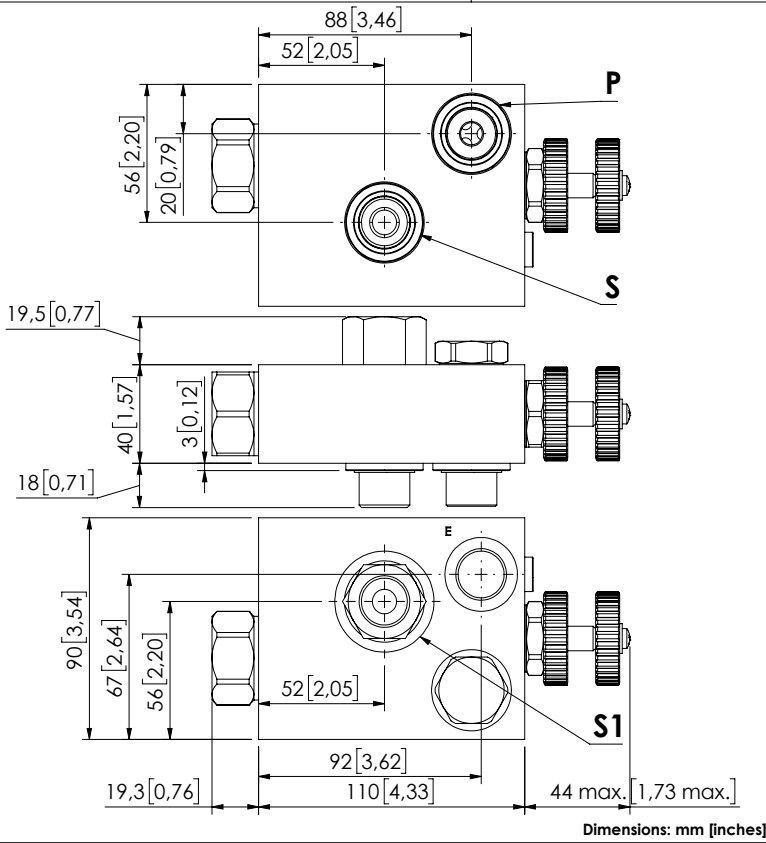
Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Regulated flow range	Options
MF000211	MFPT-090-RPZR-12-G12-N210	P,B,E: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-12 l/min (0-3 gpm)	Graduated handknob
MF000212	MFPT-090-RPZR-25-G12-N210	P,B,E: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-25 l/min (7 gpm)	Graduated handknob
MF000213	MFPT-090-RPZR-32-G12-N210	P,B,E: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-32 l/min (0-9 gpm)	Graduated handknob
MF000214	MFPT-090-RPZR-50-G12-N210	P,B,E: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-50 l/min (0-13 gpm)	Graduated handknob
MF000215	MFPT-090-RPZR-63-G12-N210	P,B,E: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-63 l/min (0-17 gpm)	Graduated handknob
MF000216	MFPT-090-RPZR-70-G12-N210	P,B,E: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-70 l/min (0-19 gpm)	Graduated handknob
MF000217	MFPT-090-RPZR-80-G12-N210	P,B,E: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-80 l/min (0-21 gpm)	Graduated handknob

Revision D1

FLOW REGULATOR

# MFCT-090-RVTN

3 WAYS COMPENSATED  
PRIORITY FLOW REGULATOR



**SPECIFICATIONS**

Max. operating pressure:	See table
Rated flow:	See table
Weight:	1,63 kg (3,6 lbs)
Contamination class to ISO 4406:	See technical spec.
MTTF:	150 - 1200 years: See technical spec.

**NOTES**

Designed for DANFOSS motors OMP-OMR series.

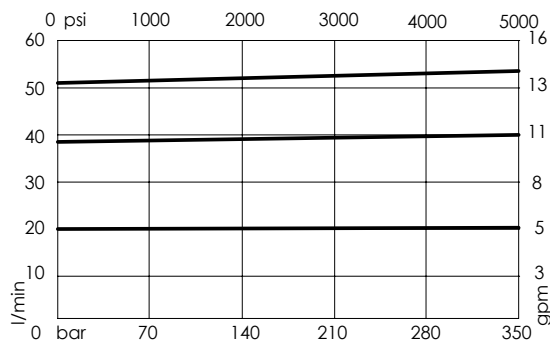
For other configurations/quick codes not available in this catalogue page please consult factory

**OPTIONS**



Handknob and locknut

**CURVES**



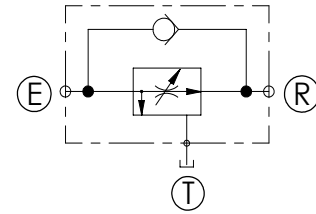
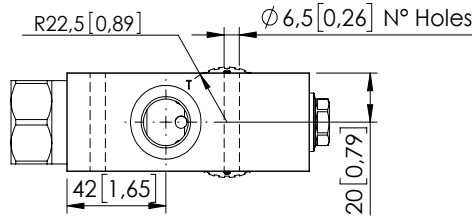
**ORDERING CODES**

Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Max. regulated flow	Options
MF000373	MFCT-090-RVTN-55-G12-N210	E,P,S,S1: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	55 l/min (15 gpm)	Handknob and locknut

FLOW REGULATOR

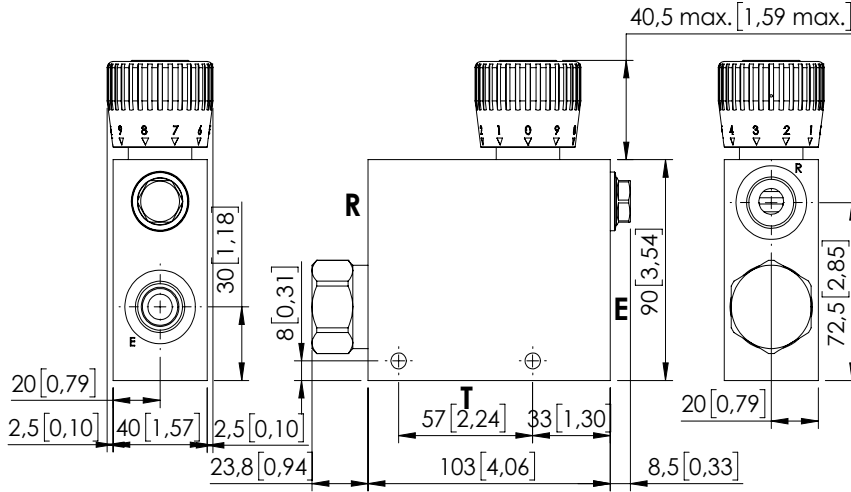
**MFCT-090-VPZR**

3 WAYS COMPENSATED WITH CHECK VALVE



**SPECIFICATIONS**

Max. operating pressure:	See table
Rated flow:	See table
Weight:	1,4 kg (3 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

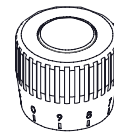


Dimensions: mm [inches]

**NOTES**

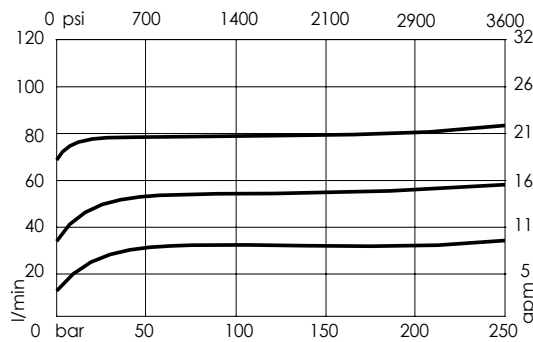
For other configurations/quick codes not available in this catalogue page please consult factory

**OPTIONS**



Graduated handknob for flow regulation under pressure

**CURVES**



**ORDERING CODES**

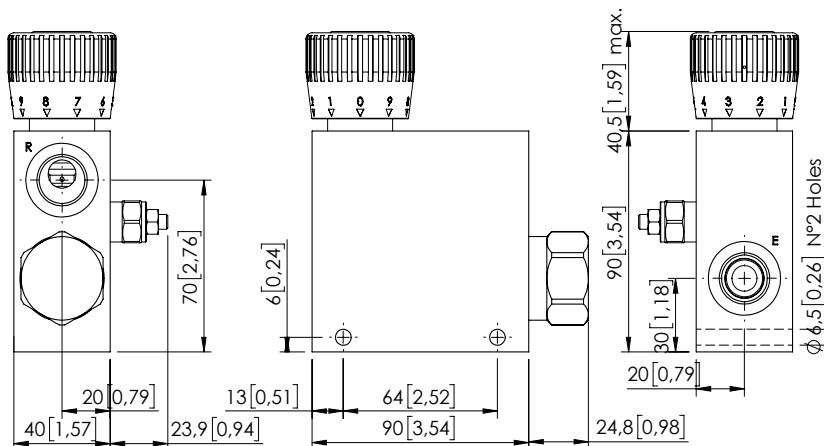
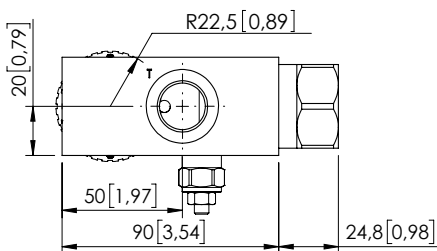
Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Regulated flow range	Options
MF000202	MFCT-090-VPZR-06-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-6 l/min (0-1,5 gpm)	Graduated handknob
MF000203	MFCT-090-VPZR-12-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-12 l/min (0-3 gpm)	Graduated handknob
MF000204	MFCT-090-VPZR-25-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-25 l/min (7 gpm)	Graduated handknob
MF000205	MFCT-090-VPZR-32-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-32 l/min (0-9 gpm)	Graduated handknob
MF000206	MFCT-090-VPZR-50-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-50 l/min (0-13 gpm)	Graduated handknob
MF000207	MFCT-090-VPZR-63-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-63 l/min (0-17 gpm)	Graduated handknob
MF000208	MFCT-090-VPZR-70-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-70 l/min (0-19 gpm)	Graduated handknob
MF000209	MFCT-090-VPZR-80-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-80 l/min (0-21 gpm)	Graduated handknob

Revision A1

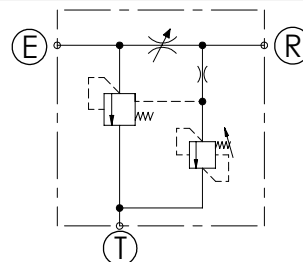
FLOW REGULATOR

# MFCT-090-LPZR

3 WAYS COMPENSATED WITH RELIEF VALVE



Dimensions: mm [inches]



### SPECIFICATIONS

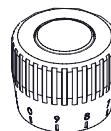
Max. operating pressure:	See table
Rated flow:	See table
Weight:	1,29 kg (2,8 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

RELIEF VALVE	
Setting range	35-210 bar (500-3000 psi)
Standard setting	210 bar (3000 psi)
Pressure increase	142 bar (2000 psi)

### NOTES

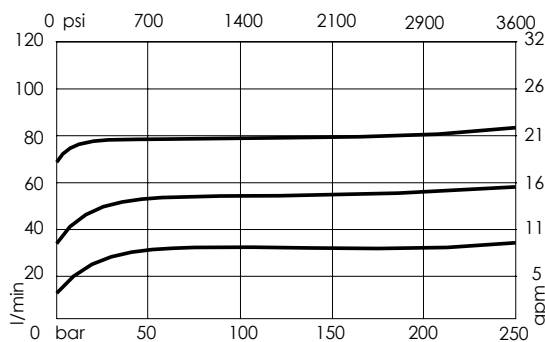
For other configurations/quick codes not available in this catalogue page please consult factory

### OPTIONS



Graduated handknob for flow regulation under pressure

### CURVES



### ORDERING CODES

Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Max. regulated flow	Options
MF000218	MFCT-090-LPZR-06-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-6 l/min (0-1.5 gpm)	Graduated handknob
MF000219	MFCT-090-LPZR-12-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-12 l/min (0-3 gpm)	Graduated handknob
MF000220	MFCT-090-LPZR-25-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-25 l/min (7 gpm)	Graduated handknob
MF000221	MFCT-090-LPZR-32-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-32 l/min (0-9 gpm)	Graduated handknob
MF000222	MFCT-090-LPZR-50-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-50 l/min (0-13 gpm)	Graduated handknob
MF000223	MFCT-090-LPZR-63-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-63 l/min (0-17 gpm)	Graduated handknob
MF000224	MFCT-090-LPZR-70-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-70 l/min (0-19 gpm)	Graduated handknob
MF000225	MFCT-090-LPZR-80-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-80 l/min (0-21 gpm)	Graduated handknob

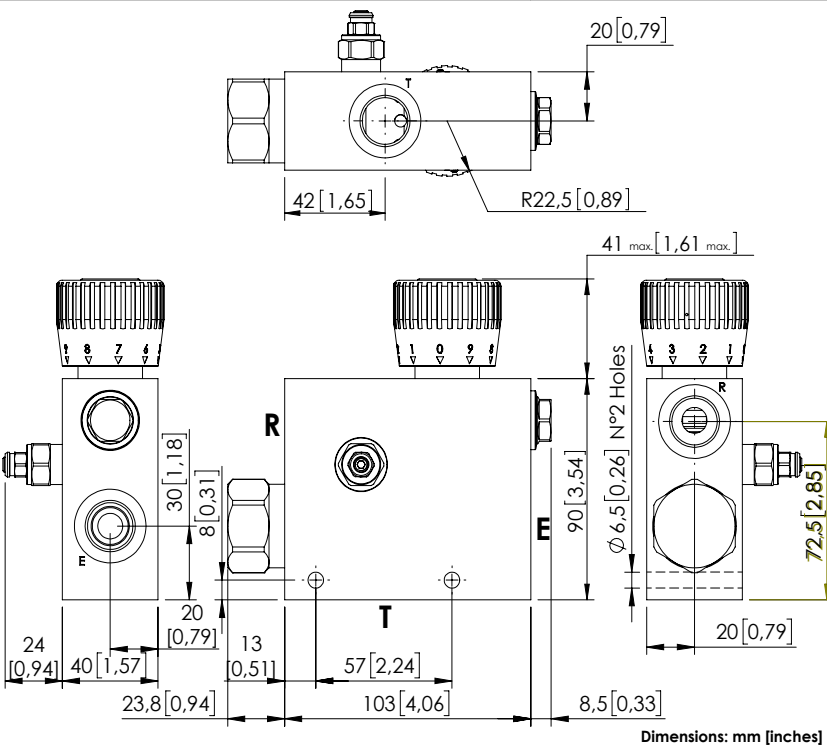
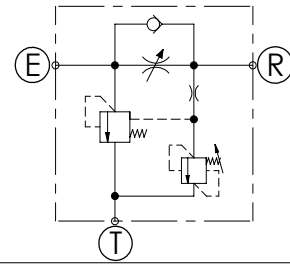
Revision A1



FLOW REGULATOR

# MFCT-090-TPZR

3 WAYS COMPENSATED  
BY PASS CHECK VALVE  
RELIEF VALVE



Dimensions: mm [inches]

**SPECIFICATIONS**

Max. operating pressure:	See table
Rated flow:	See table
Weight:	1,44 kg (3 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

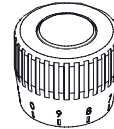
**RELIEF VALVE**

Setting range	35-210 bar (500-3000 psi)
Standard setting	210 bar (3000 psi)
Pressure increase	142 bar (2000 psi)

**NOTES**

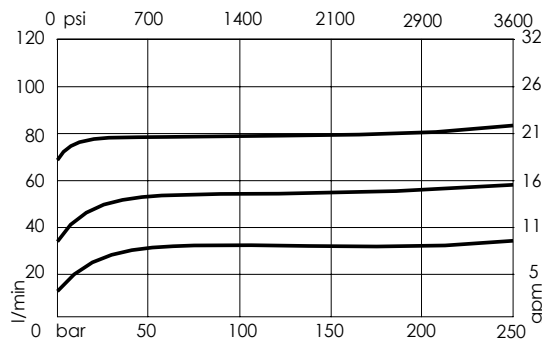
For other configurations/quick codes not available in this catalogue page please consult factory

**OPTIONS**



Graduated handknob for flow regulation under pressure

**CURVES**



**ORDERING CODES**

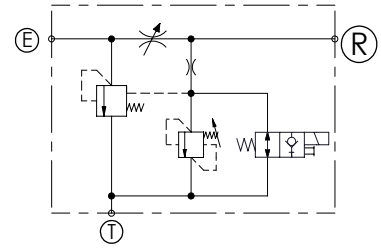
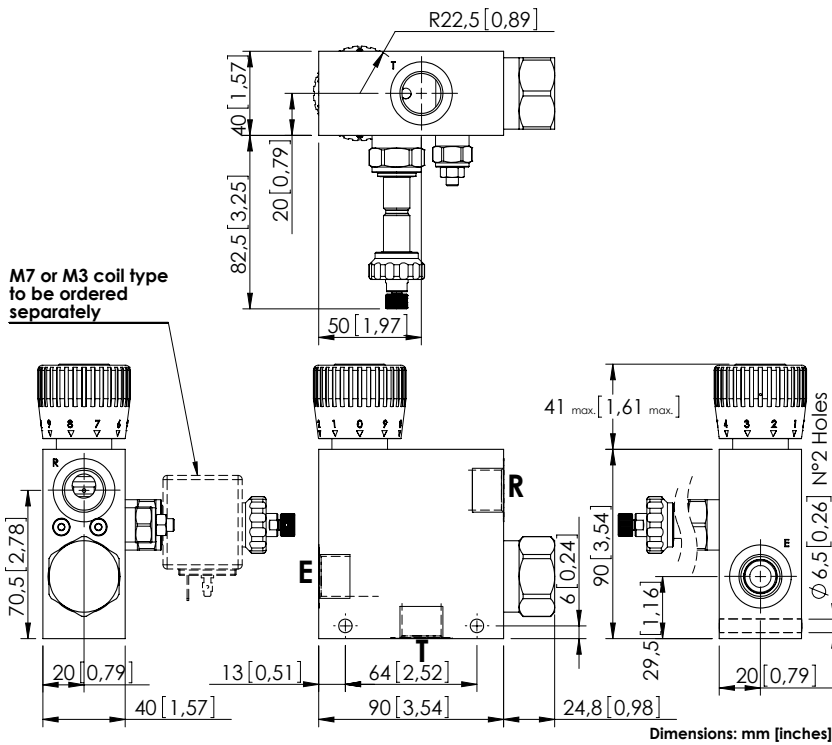
Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Regulated flow range	Options
MF000226	MFCT-090-TPZR-06-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-6 l/min (0-1,5 gpm)	Graduated handknob
MF000227	MFCT-090-TPZR-12-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-12 l/min (0-3 gpm)	Graduated handknob
MF000228	MFCT-090-TPZR-25-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-25 l/min (7 gpm)	Graduated handknob
MF000229	MFCT-090-TPZR-32-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-32 l/min (0-9 gpm)	Graduated handknob
MF000230	MFCT-090-TPZR-50-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-50 l/min (0-13 gpm)	Graduated handknob
MF000231	MFCT-090-TPZR-63-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-63 l/min (0-17 gpm)	Graduated handknob
MF000232	MFCT-090-TPZR-70-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-70 l/min (0-19 gpm)	Graduated handknob
MF000233	MFCT-090-TPZR-80-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-80 l/min (0-21 gpm)	Graduated handknob

Revision A1

FLOW REGULATOR

# MFCT-090-MPTR

3 WAYS COMPENSATED  
WITH RELIEF VALVE AND  
ELECTRIC UNLOADING



### SPECIFICATIONS

Max. operating pressure:	See table
Rated flow:	See table
Weight:	1,65 kg (3,5 lbs)
Coil type:	M7 or M3 type
Contamination class to ISO 4406:	See technical spec.
MTF <sub>a</sub> :	150 - 1200 years: See technical spec.

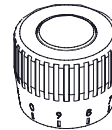
### RELIEF VALVE

Setting range	35-210 bar (500-3000 psi)
Standard setting	210 bar (3000 psi)
Pressure increase	142 bar (2000 psi)

### NOTES

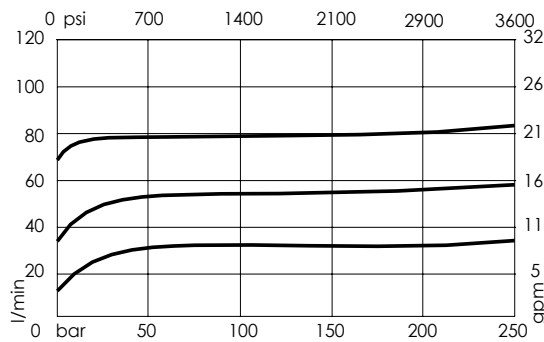
For other configurations/quick codes not available in this catalogue page please consult factory

### OPTIONS



Graduated handknob for flow regulation under pressure

### CURVES



### ORDERING CODES

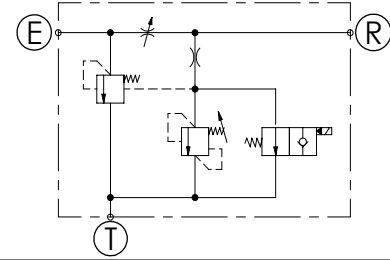
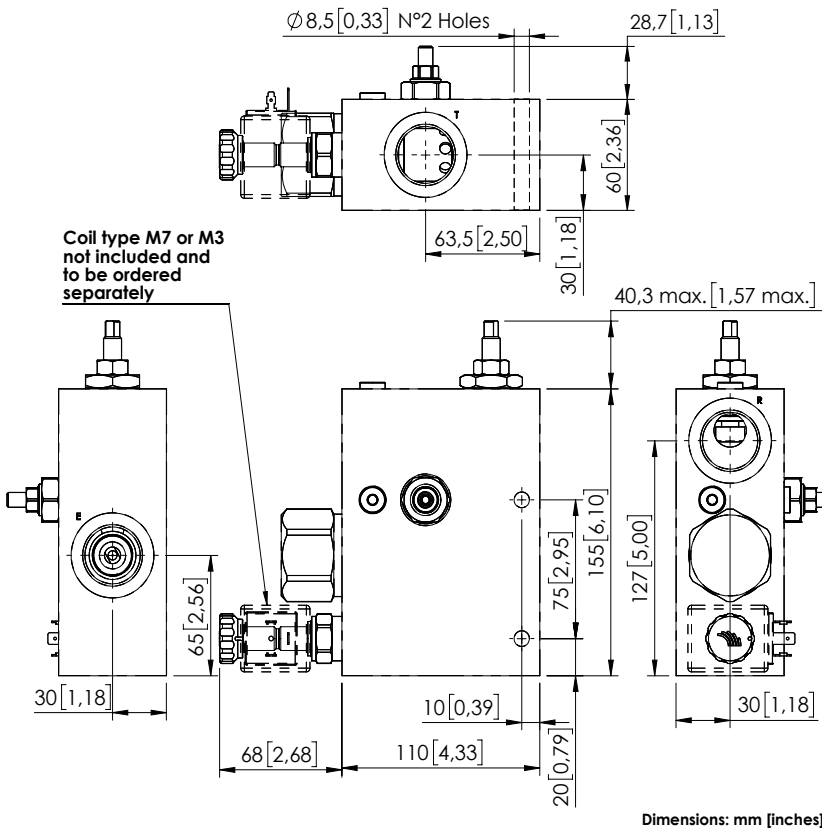
Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Max. regulated flow	Options
MF000298	MFCT-090-MPTR-06-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-6 l/min (0-1,5 gpm)	Graduated handknob
MF000299	MFCT-090-MPTR-12-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-12 l/min (0-3 gpm)	Graduated handknob
MF000300	MFCT-090-MPTR-25-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-25 l/min (0-9 gpm)	Graduated handknob
MF000301	MFCT-090-MPTR-32-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-32 l/min (0-9 gpm)	Graduated handknob
MF000302	MFCT-090-MPTR-50-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-50 l/min (0-13 gpm)	Graduated handknob
MF000303	MFCT-090-MPTR-63-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-63 l/min (0-17 gpm)	Graduated handknob
MF000304	MFCT-090-MPTR-70-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-70 l/min (0-19 gpm)	Graduated handknob
MF000305	MFCT-090-MPTR-80-G12-N210	E,R,T: G 1/2"	Aluminium	210 bar (3000 psi)	90 l/min (24 gpm)	0-80 l/min (0-21 gpm)	Graduated handknob

Revision A1

FLOW REGULATOR

# MFCT-280-MVTR

3 WAYS COMPENSATED  
WITH RELIEF VALVE AND  
ELECTRIC UNLOADING



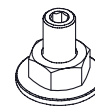
## SPECIFICATIONS

Max. operating pressure:	250 bar (3600 psi)
Rated flow:	280 l/min (74 gpm)
Regulated flow:	190 l/min (50 gpm)
Manifold:	Aluminium
Weight:	3,24 kg (7,14 lbs)
Coil type:	M7 or M3 type
Contamination class to ISO 4406:	See technical spec.
MTFa:	150 - 1200 years: See technical spec.

## NOTES

For option see pag. 22.00.000  
For other configurations/quick codes not available in this catalogue page please consult factory

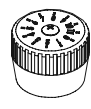
## OPTIONS



Screw and locknut

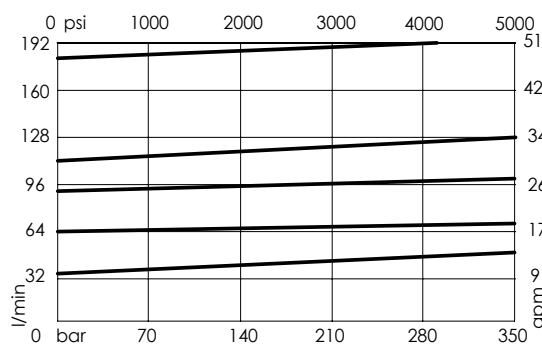


Handknob and locknut



Graduated handknob

## CURVES



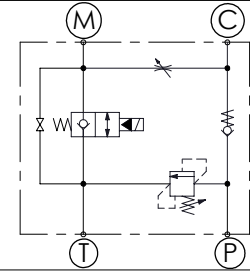
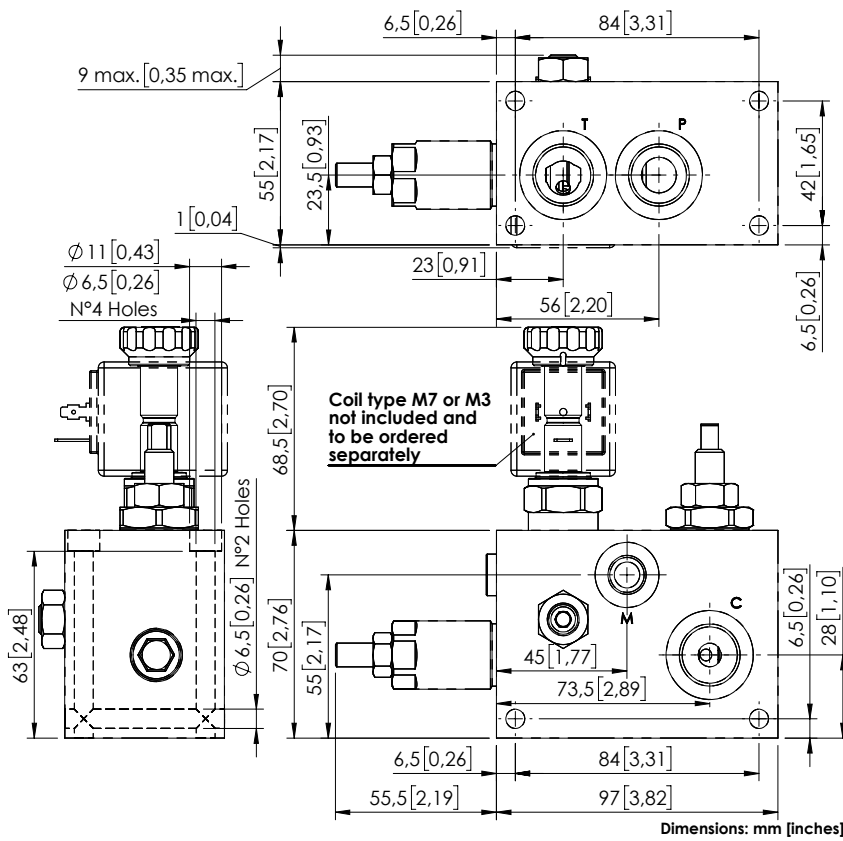
## ORDERING CODES

Quick code	Description	Ports	Standard setting Q=5 l/min (1,3 gpm)	Adjustment range	Pressure increase	Options
MF000143	MFCT-280-MVTR-19-G10-N250	E,R,T: G 1"	240 bar (3400 psi)	140-350 bar (2000-5000 psi)	142 bar/turn (2000 psi/turn)	Screw and locknut

FLOW REGULATOR

# BPND-025-LLET

SOLENOID OPERATED VALVES  
STANDARD INTEGRATED CIRCUITS



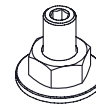
### SPECIFICATIONS

Max. operating pressure:	250 bar (5000 psi)
Rated flow:	25 l/min (7 gpm)
Manifold:	Aluminium
Weight:	1,3 kg (2,9 lbs)
Coil type:	M7 or M3 type
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

### NOTES

For options see pag. 22.00.000  
For other configurations/quick codes not available in this catalogue page please consult factory

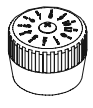
### OPTIONS



Screw and locknut

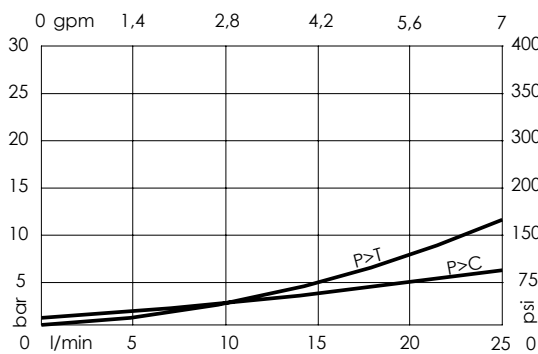


Handknob and locknut



Graduated handknob

### CURVES



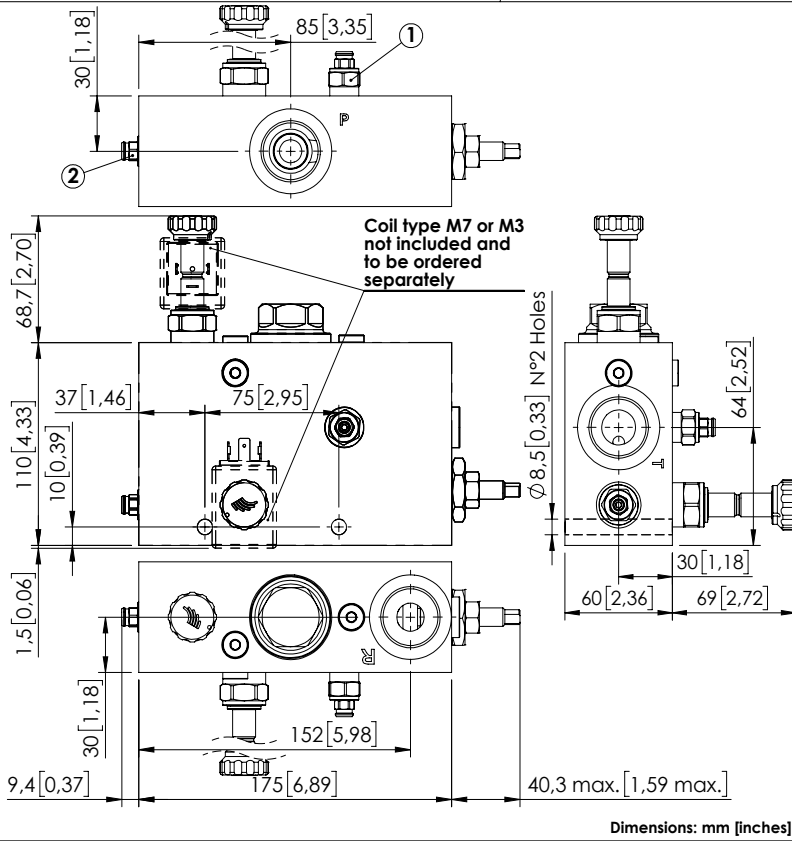
### ORDERING CODES

Quick code	Description	Ports	Standard setting Q=5 l/min (1,3 gpm)	Adjustment range	Pressure increase	Options
BP000081	BPND-025-LLET-NP-G12-N250	P,T,C: G 1/2" M: G 1/4"	200 bar (2900 psi)	50-210 bar (700-3000 psi)	42 bar/turn (600 psi/turn)	Screw and locknut

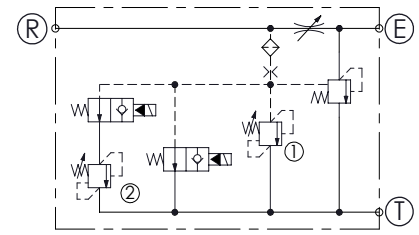
FLOW REGULATOR

# MFCT-150-LHTR

3 WAYS COMPENSATED  
WITH RELIEF VALVE



Dimensions: mm [inches]



### SPECIFICATIONS

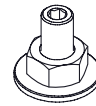
Max. operating pressure:	210 bar (3000 psi)
Rated flow:	150 l/min (40 gpm)
Regulated flow:	90 l/min (24 gpm)
Manifold:	Aluminium
Weight:	3,49 kg (7,7 lbs)
Coil type:	M7 or M3 type
Contamination class to ISO 4406:	See technical spec.
MTTFa:	150 - 1200 years: See technical spec.

### NOTES

For options see pag. 22.00.000

For other configurations/quick codes not available in this catalogue page please consult factory

### OPTIONS



Screw and locknut

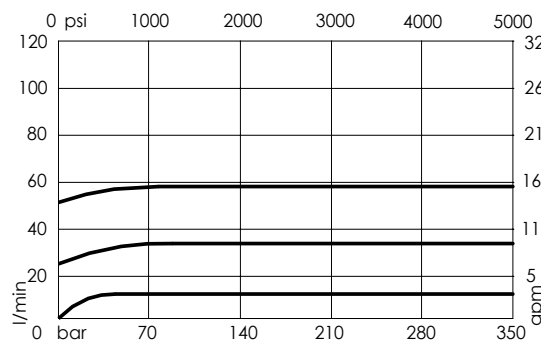


Handknob and locknut



Graduated handknob

### CURVES



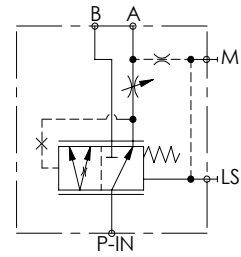
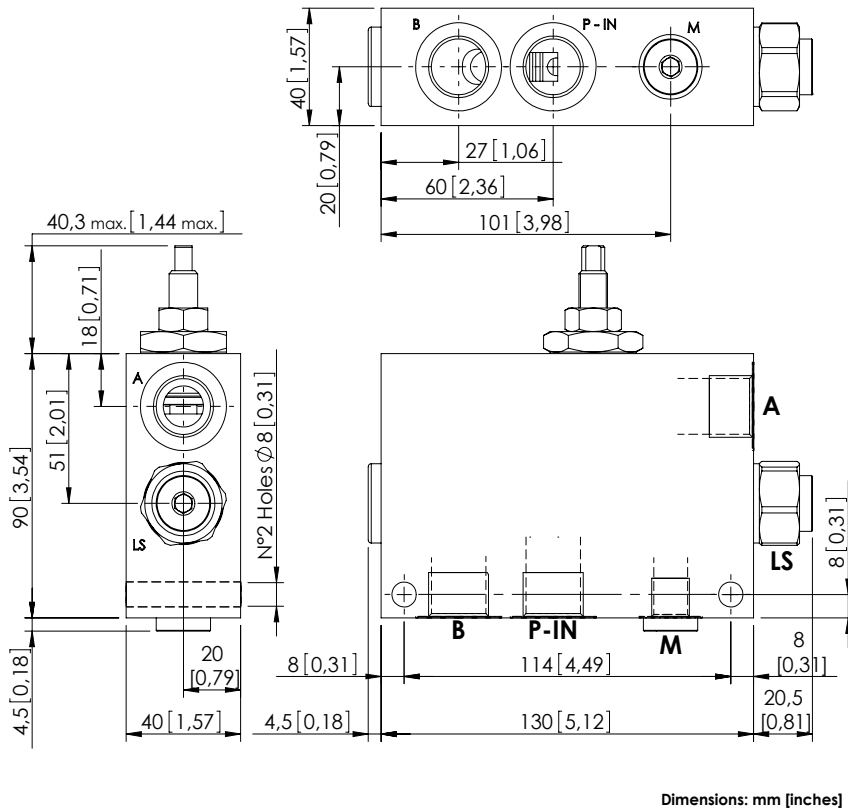
### ORDERING CODES

Quick code	Description	Ports	Standard setting Q=5 l/min (1,3 gpm)	Adjustment range	Pressure increase	Options
MF000344	MFCT-150-LHTR-90-G10-N210	E,R,T: G 1"	① :170 bar (2500 psi) ② :150 bar (2200 psi)	100-200 bar (1400-2900 psi)	75 bar/turn (1100 psi/turn)	Screw and locknut

FLOW REGULATOR

# MFPT-100-RHAR

PRESSURE COMPENSATED  
PRIORITY FLOW REGULATOR



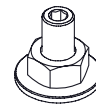
### SPECIFICATIONS

Max. operating pressure:	See table
Rated flow:	See table
Weight:	3,38 kg (7,5 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

### NOTES

For correct operation 8-9 bar (110-130 psi) must be present in port A. For opencentre or low pressure systems a 9 bar (130 psi) 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 For other configurations/quick codes not available in this catalogue page please consult factory

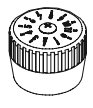
### OPTIONS



Screw and locknut

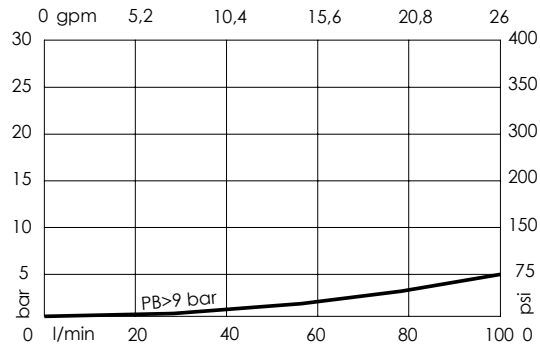
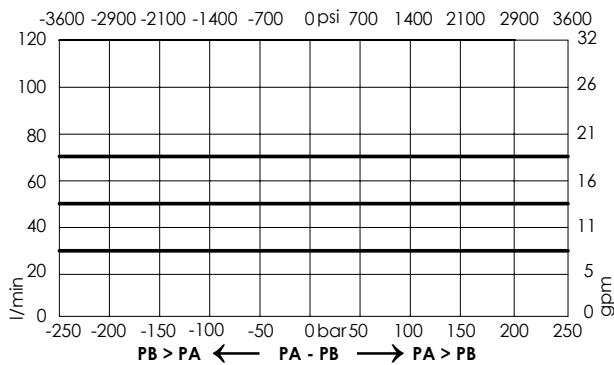


Handknob and locknut



Graduated handknob

### CURVES



### ORDERING CODES

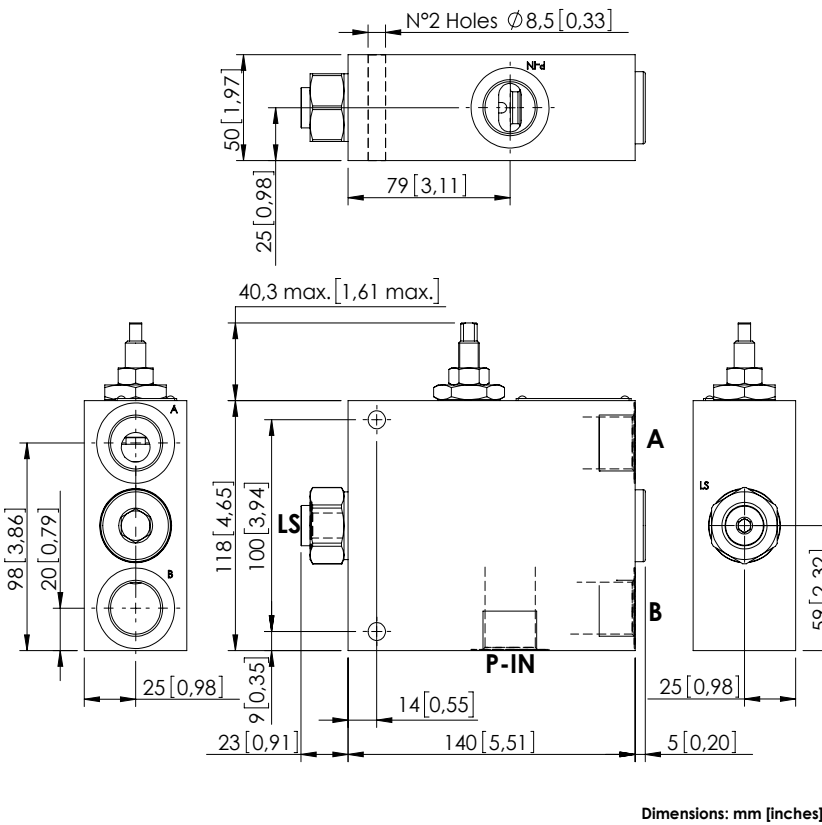
Quick code	Description	Ports	Manifold	Max. pressure	Max. inlet flow	Max. regulated flow	Options
MF000069	MFPT-100-RHAR-85-G12-N350	P-IN,A,B: G 1/2" LS,M: G 1/4"	Steel	350 bar (5000 psi)	100 l/min (26 gpm)	85 l/min (22 gpm)	Screw and locknut

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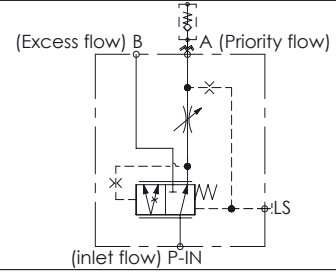
FLOW REGULATOR

# MFPT-200-RHAR

PRESSURE COMPENSATED  
PRIORITY



Dimensions: mm [inches]



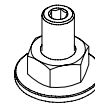
### SPECIFICATIONS

Max. operating pressure:	350 bar (5000 psi)
Rated flow:	200 l/min (53 gpm)
Regulated flow:	1-140 l/min (0,3-37 gpm)
Manifold:	Steel
Weight:	5,85 kg (13 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>a</sub> :	150 - 1200 years: See technical spec.

### NOTES

For options see pag. 22.00.000  
For other configurations/quick codes not available in this catalogue page please consult factory

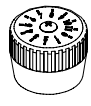
### OPTIONS



Screw and locknut

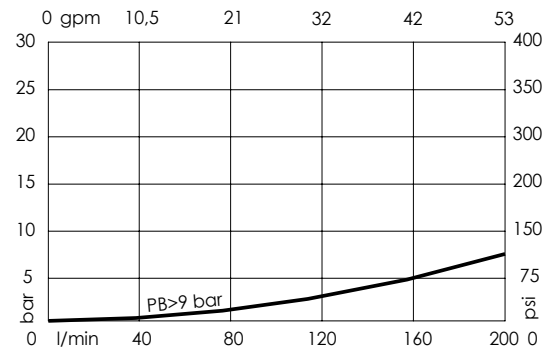
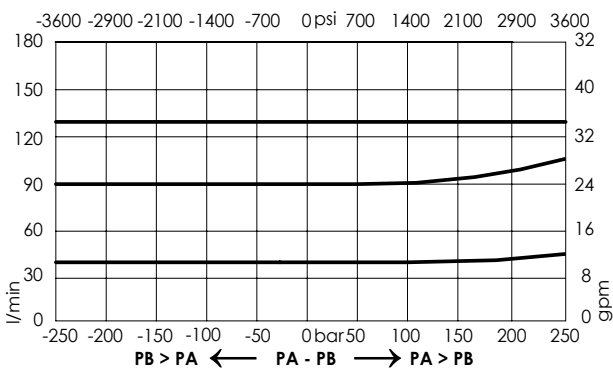


Handknob and locknut



Graduated handknob

### CURVES



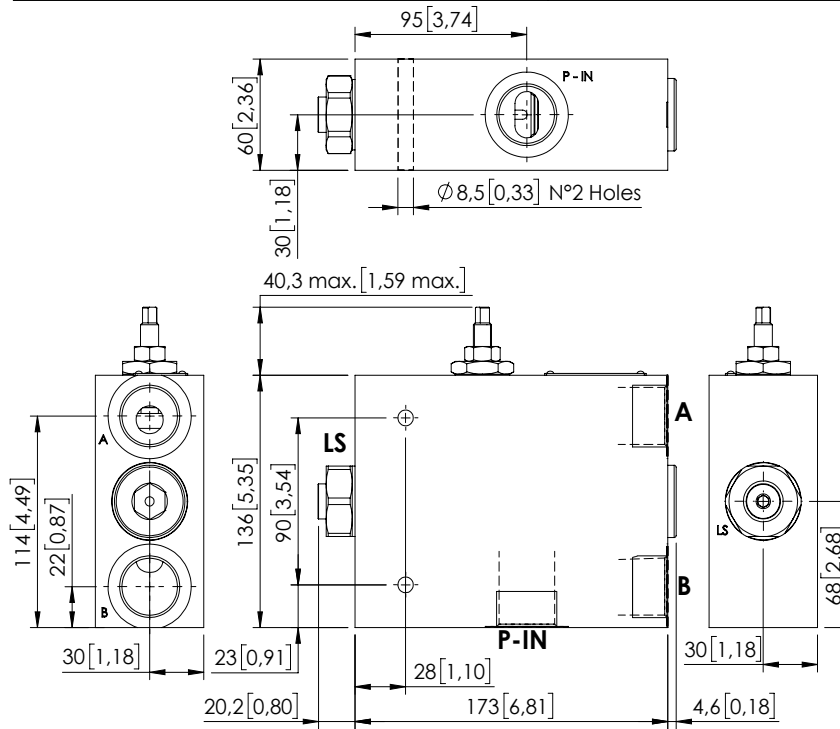
### ORDERING CODES

Quick code	Description	Ports	Options
MF000141	MFPT-200-RHAR-14-G34-N350	P-IN,A,B: G 3/4" LS: G 1/4"	Screw and locknut

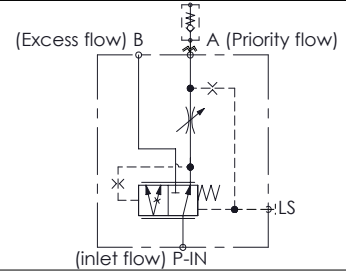
FLOW REGULATOR

# MFPT-300-RHAR

PRESSURE COMPENSATED  
PRIORITY



Dimensions: mm [inches]



## SPECIFICATIONS

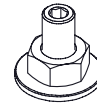
Max. operating pressure:	350 bar (5000 psi)
Rated flow:	300 l/min (79 gpm)
Regulated flow:	1-220 l/min (0,3-58 gpm)
Manifold:	Steel
Weight:	9,9 kg (21,8 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

## NOTES

For options see pag. 22.00.000

For other configurations/quick codes not available in this catalogue page please consult factory

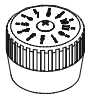
## OPTIONS



Screw and locknut

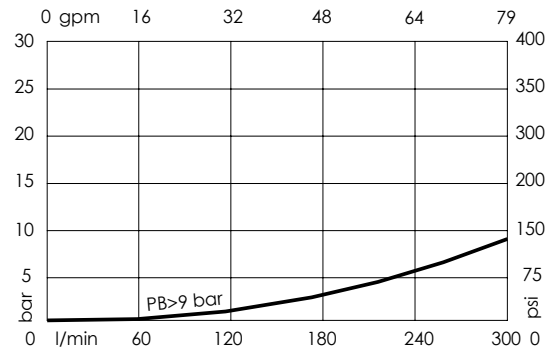
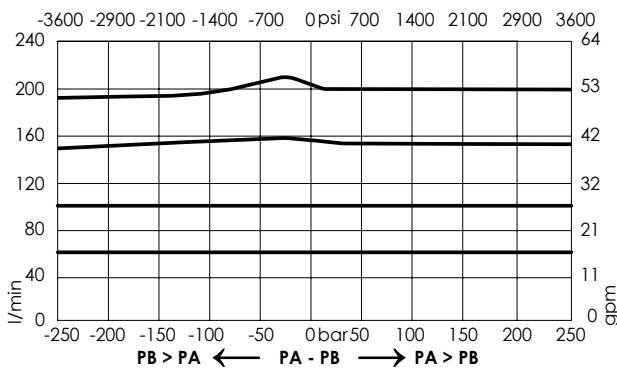


Handknob and locknut



Graduated handknob

## CURVES



## ORDERING CODES

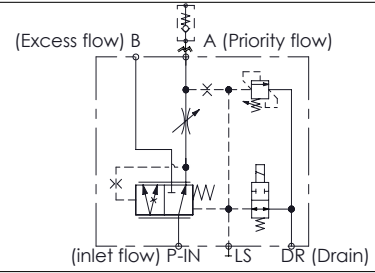
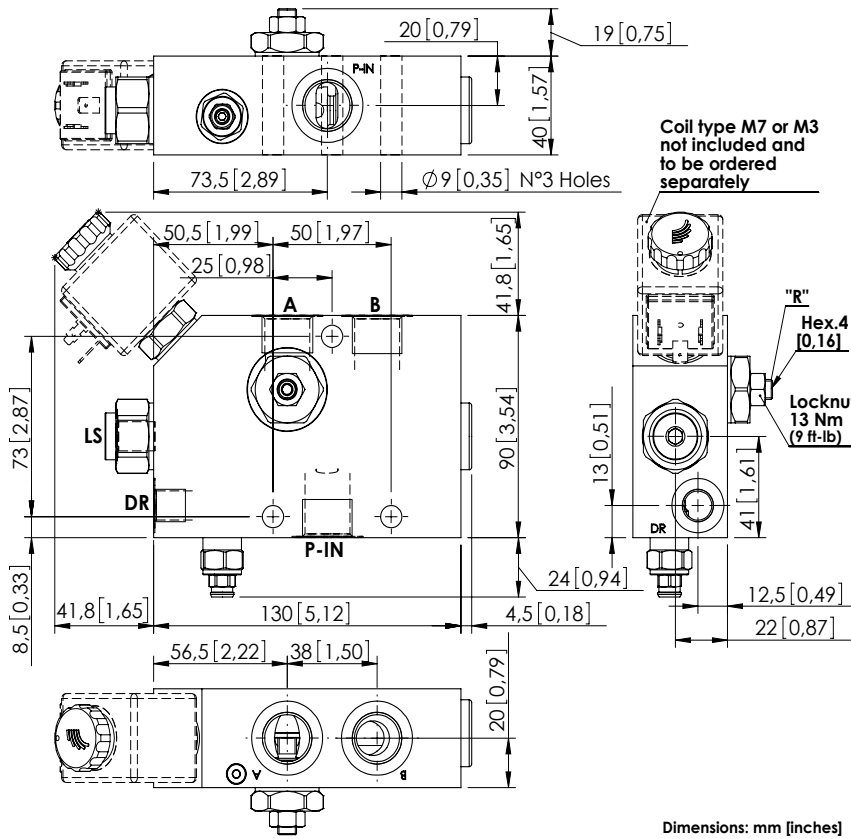
Quick code	Description	Ports	Options
MF000283	MFPT-300-RHAR-20-G10-N350	P-IN, A, B: G 1" LS: G 1/4"	Screw and locknut



FLOW REGULATOR

# MFPT-100-MHAR

PRESSURE COMPENSATED  
PRIORITY  
FLOW REGULATOR FOR  
AUXILIARY CIRCUITS



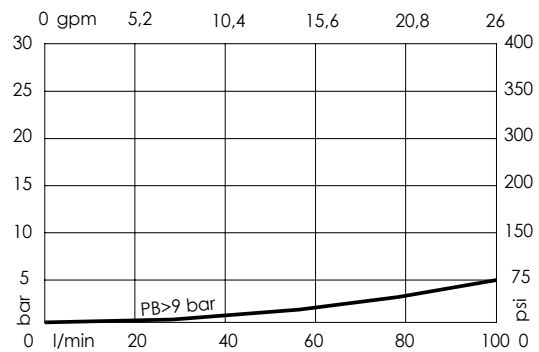
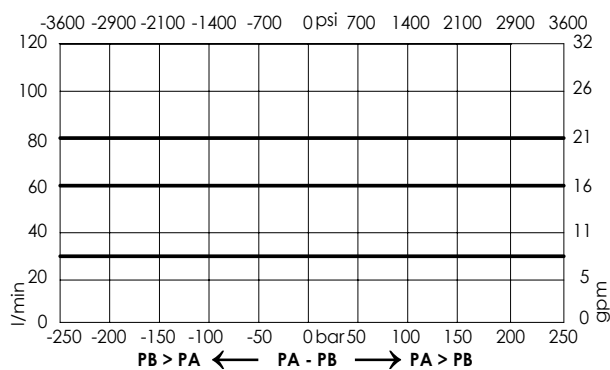
## SPECIFICATIONS

Max. operating pressure:	350 bar (5000 psi)
Rated flow:	100 l/min (26 gpm)
Regulated flow:	1,5-85 l/min (0,4-22 gpm)
Manifold:	Steel
Weight:	3,59 kg (7,9 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>a</sub> :	150 - 1200 years: See technical spec.

## NOTES

Turn screw "R" anti-clockwise to increase regulated flow.  
 Drain flow from T, when de-energized, up to 1,5 l/min (0,4 gpm).  
 Max back pressure admitted on "DR" line 1,5 bar (22 psi).  
 For correct operation 8-9 bar (110-130 psi) must be present in port A. For open centre or low pressure systems a 9 bar (130 psi) 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.  
 For other configurations/quick codes not available in this catalogue page please consult factory

## CURVES



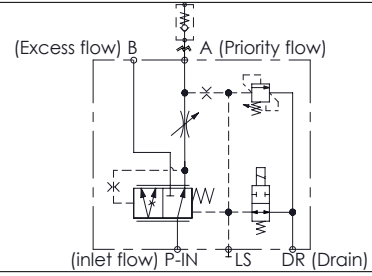
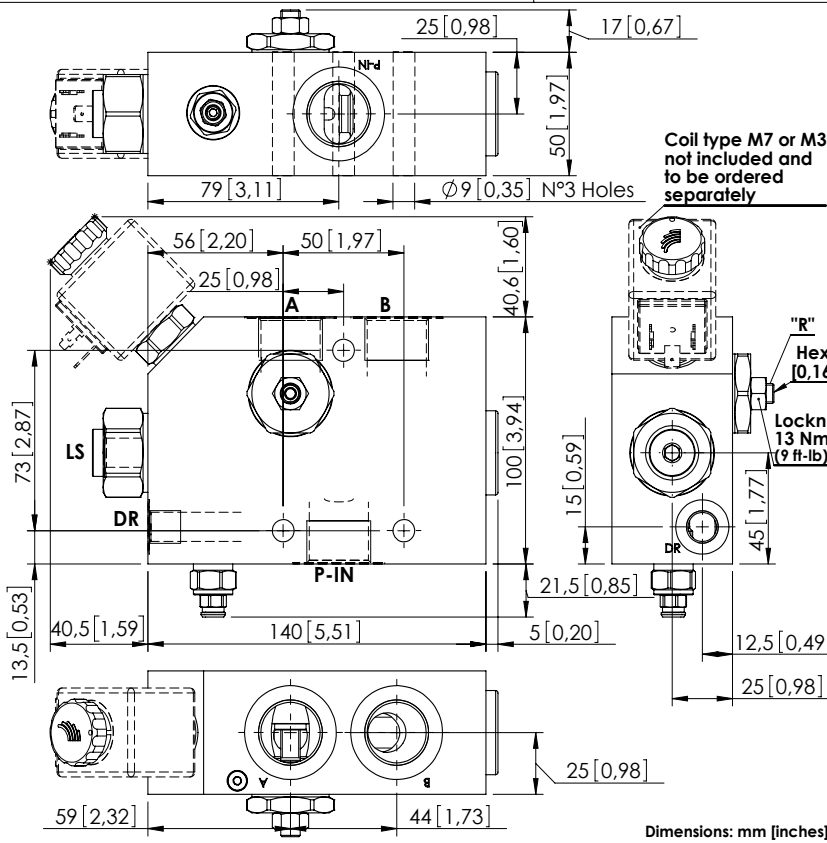
## ORDERING CODES

Quick code	Description	Ports	Standard setting Q=5 l/min (1,3 gpm)	Adjustment range	Pressure increase
MF000053	MFPT-100-MHAR-85-G12-V210	P-IN, A, B: G 1/2" DR, LS: G 1/4"	200 bar (2900 psi)	100-200 bar (1500-2900 psi)	75 bar/turn (1100 psi/turn)
MF000054	MFPT-100-MHAR-85-G12-V350	P-IN, A, B: G 1/2" DR, LS: G 1/4"	350 bar (5000 psi)	150-350 bar (2100-5000 psi)	165 bar/turn (2300 psi/turn)

FLOW REGULATOR

# MFPT-200-MHAR

**PRESSURE COMPENSATED  
PRIORITY  
FLOW REGULATOR FOR  
AUXILIARY CIRCUITS**



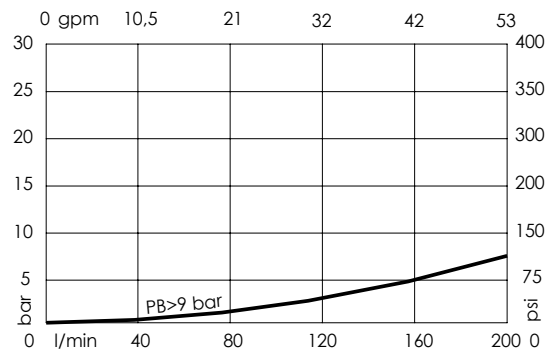
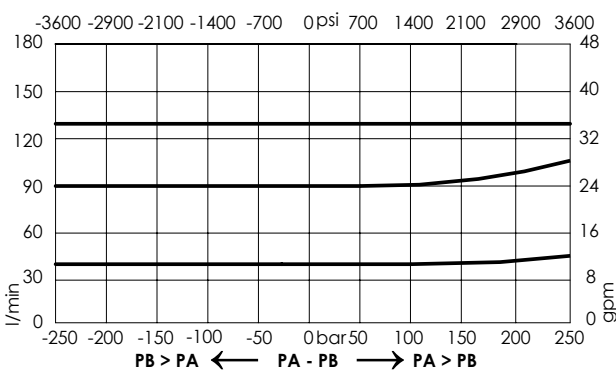
### SPECIFICATIONS

Max. operating pressure:	350 bar (5000 psi)
Rated flow:	200 l/min (53 gpm)
Regulated flow:	1,5-140 l/min (0,4-37 gpm)
Manifold:	Steel
Weight:	5,14 kg (7,9 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>a</sub> :	150 - 1200 years: See technical spec.

### NOTES

Turn screw "R" anti-clockwise to increase regulated flow.  
 Drain flow from T, when de-energized, up to 1,5 l/min (0,4 gpm).  
 Max back pressure admitted on "DR" line 1,5 bar (21 psi).  
 For correct operation 8-9 bar (110-130 psi) must be present in port A. For open centre or low pressure systems a 9 bar (130 psi) 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.  
 For other configurations/quick codes not available in this catalogue page please consult factory

### CURVES



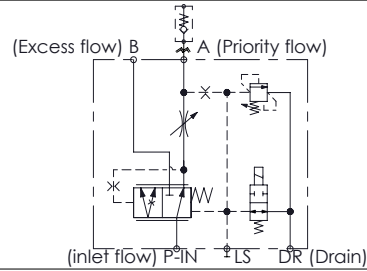
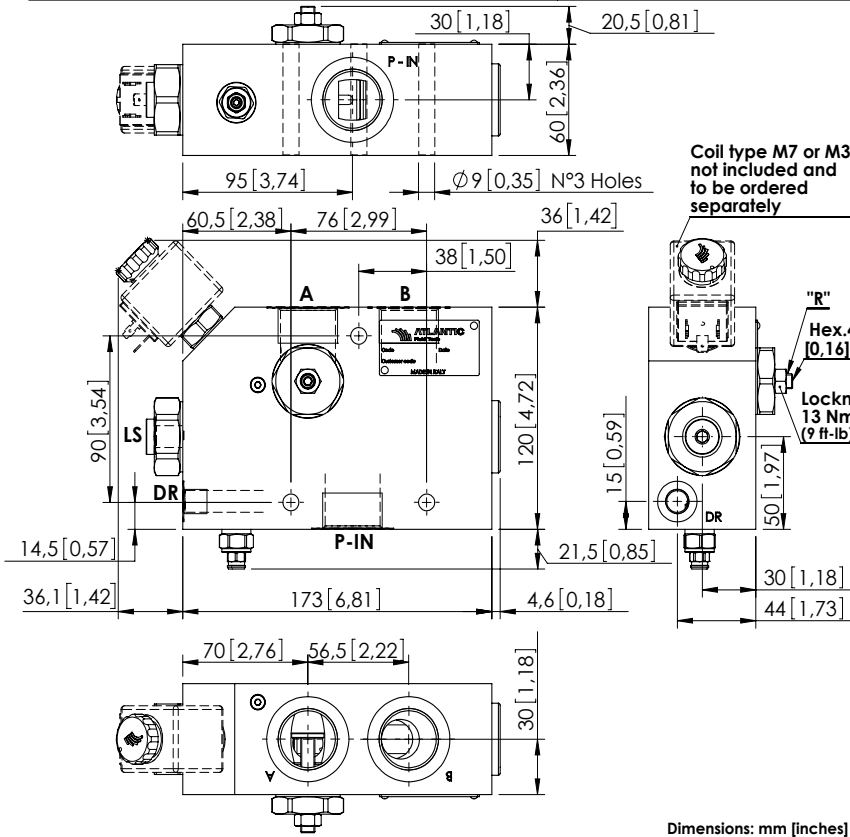
### ORDERING CODES

Quick code	Description	Ports	Standard setting Q=5 l/min (1,3 gpm)	Adjustment range	Pressure increase
MF000055	MFPT-200-MHAR-14-G34-V210	P-IN,A,B: G 3/4" DR,LS: G 1/4"	200 bar (2900 psi)	100-200 bar (1500-2900 psi)	75 bar/turn (1100 psi/turn)
MF000056	MFPT-200-MHAR-14-G34-V350	P-IN,A,B: G 3/4" DR,LS: G 1/4"	350 bar (5000 psi)	150-350 bar (2100-5000 psi)	165 bar/turn (2300 psi/turn)

FLOW REGULATOR

# MFPT-300-MHAR

PRESSURE COMPENSATED  
PRIORITY  
FLOW REGULATOR FOR  
AUXILIARY CIRCUITS



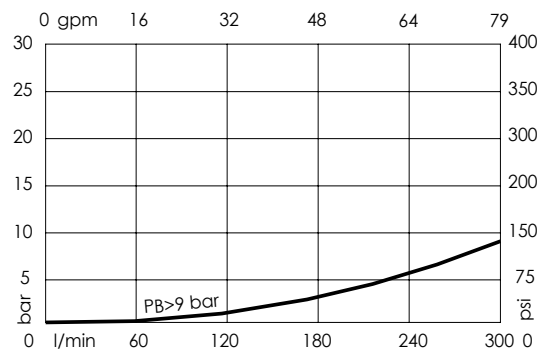
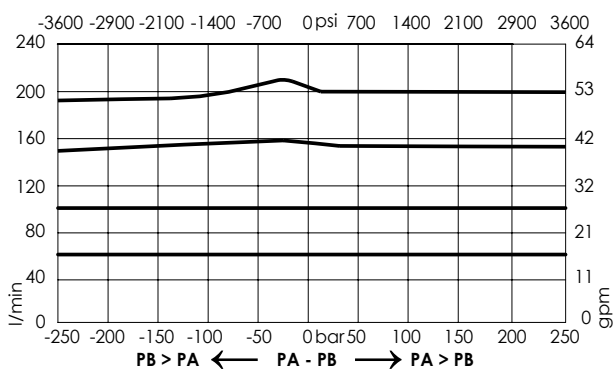
## SPECIFICATIONS

Max. operating pressure:	350 bar (5000 psi)
Rated flow:	300 l/min (79 gpm)
Regulated flow:	1,5-220 l/min (0,3-58 gpm)
Manifold:	Steel
Weight:	8,78 kg (19,4 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>a</sub> :	150 - 1200 years: See technical spec.

## NOTES

Turn screw "R" anti-clockwise to increase regulated flow.  
 Drain flow from T, when de-energized, up to 1,5 l/min (0,4 gpm).  
 Max back pressure admitted on "DR" line 1,5 bar (21 psi).  
 For correct operation 8-9 bar (110-130 psi) must be present in port A. For open centre or low pressure systems a 9 bar (130 psi) 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.  
 For other configurations/quick codes not available in this catalogue page please consult factory

## CURVES



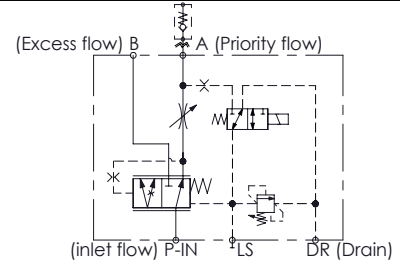
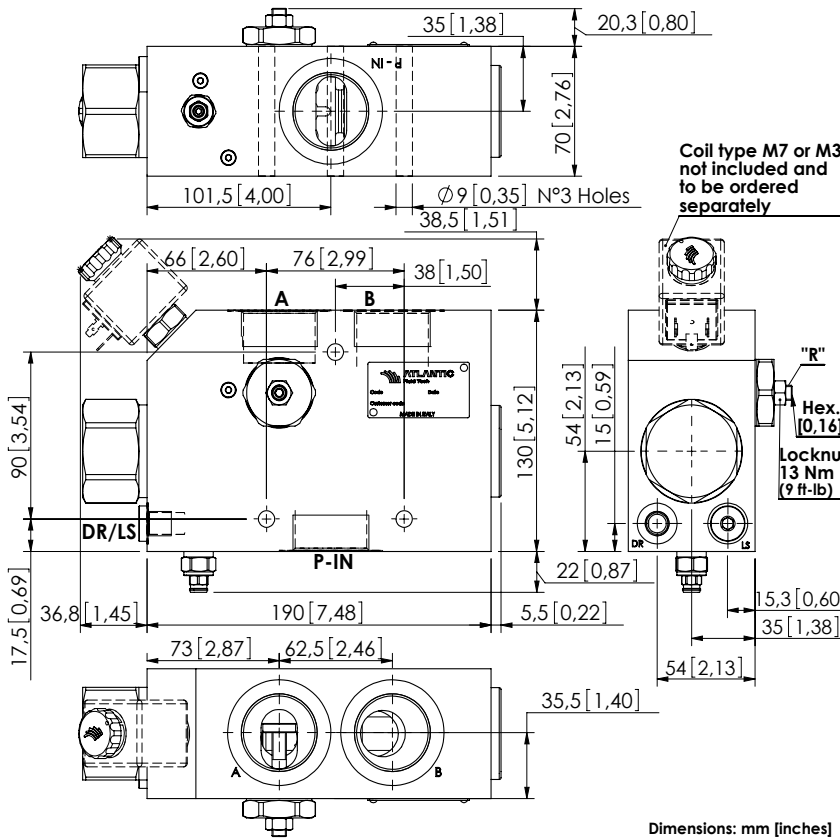
## ORDERING CODES

Quick code	Description	Ports	Standard setting	Adjustment range	Pressure increase
MF000057	MFPT-300-MHAR-22-G10-V210	P-IN,A,B: G 1" DR,LS: G 1/4"	200 bar (2900 psi)	100-200 bar (1500-2900 psi)	75 bar/turn (1100 psi/turn)
MF000058	MFPT-300-MHAR-22-G10-V350	P-IN,A,B: G 1" DR,LS: G 1/4"	350 bar (5000 psi)	150-350 bar (2100-5000 psi)	165 bar/turn (2300 psi/turn)

FLOW REGULATOR

# MFPT-400-MHAR

**PRESSURE COMPENSATED  
PRIORITY  
FLOW REGULATOR FOR  
AUXILIARY CIRCUITS**



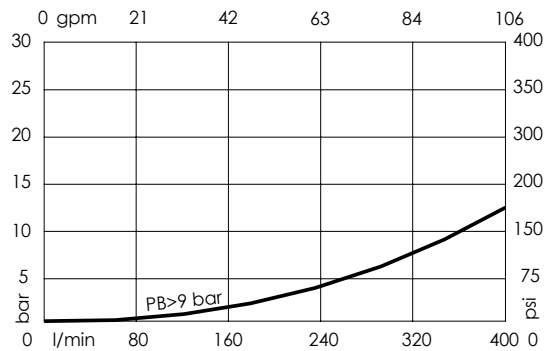
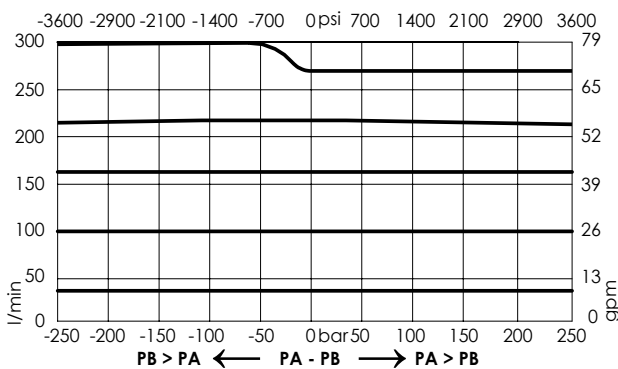
**SPECIFICATIONS**

Max. operating pressure:	350 bar (5000 psi)
Rated flow:	400 l/min (106 gpm)
Regulated flow:	1,5-300 l/min (0,4-79 gpm)
Manifold:	Steel
Weight:	11,98 kg (26.5 lbs)
Contamination class to ISO 4406:	See technical spec.
MTF <sub>a</sub> :	150 - 1200 years: See technical spec.

**NOTES**

Turn screw "R" anti-clockwise to increase regulated flow.  
 Drain flow from T, when de-energized, up to 1,5 l/min (0,4 gpm).  
 Max back pressure admitted on "DR" line 1,5 bar (21 psi).  
 For correct operation 8-9 bar (110-130 psi) must be present in port A. For open centre or low pressure systems a 9 bar (130 psi) 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.  
 For other configurations/quick codes not available in this catalogue page please consult factory

**CURVES**



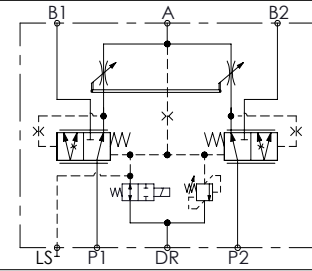
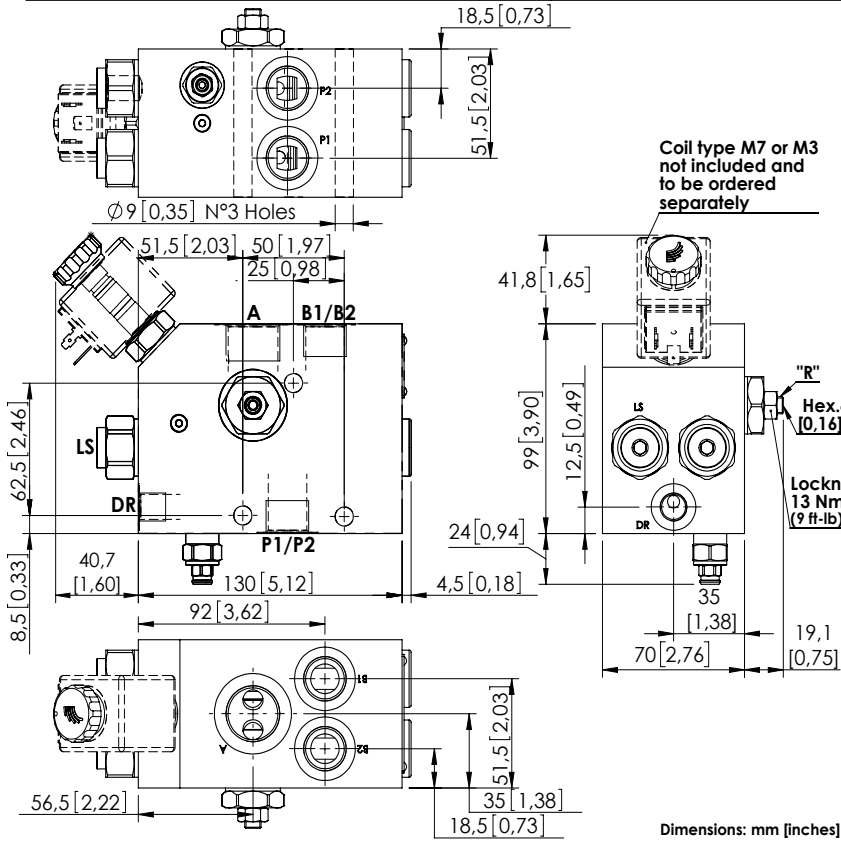
**ORDERING CODES**

Quick code	Description	Ports	Standard setting Q=5 l/min (1,3 gpm)	Adjustment range	Pressure increase
MF000071	MFPT-400-MHAR-30-G11-V210	P-IN,A,B: G 1-1/4" DR,LS: G 1/4"	200 bar (2900 psi)	100-200 bar (1500-2900 psi)	75 bar/turn (1100 psi/turn)
MF000073	MFPT-400-MHAR-30-G11-V350	P-IN,A,B: G 1-1/4" DR,LS: G 1/4"	350 bar (5000 psi)	150-350 bar (2100-5000 psi)	165 bar/turn (2300 psi/turn)

FLOW REGULATOR

# MFTT-100-MHAR

PRESSURE COMPENSATED  
PRIORITY-TWO PUMPS SYSTEM  
FLOW REGULATOR FOR  
AUXILIARY CIRCUITS



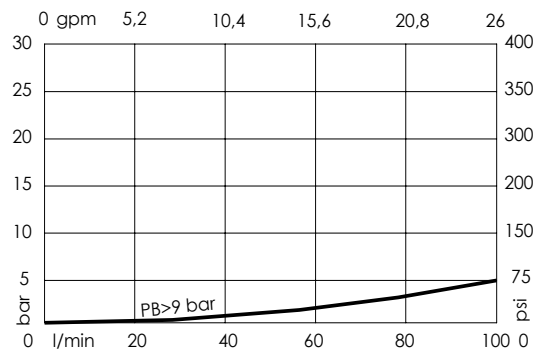
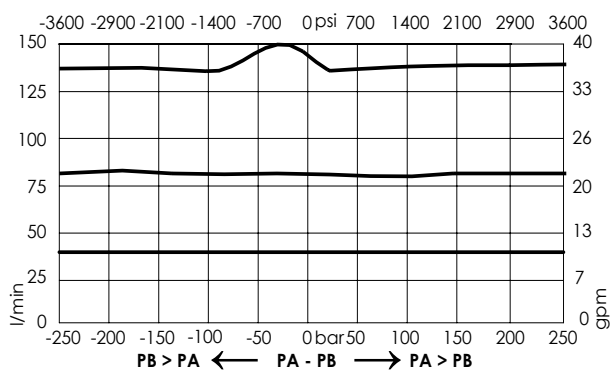
**SPECIFICATIONS**

Max. operating pressure:	350 bar (5000 psi)
Rated flow:	2 x 100 l/min (2x26 gpm)
Regulated flow:	3-150 l/min (0,8-40 gpm)
Manifold:	Steel
Weight:	6,62 kg (14,1 lbs)
Contamination class to ISO 4406:	See technical spec.
MTFa:	150 - 1200 years: See technical spec.

**NOTES**

Turn screw "R" anti-clockwise to increase regulated flow.  
 Drain flow from T, when de-energized, up to 1,5 l/min (0,4 gpm).  
 Max back pressure admitted on "DR" line 1,5 bar (21 psi).  
 For correct operation 8-9 bar (110-130 psi) must be present in port A. For open centre or low pressure systems a 9 bar (130 psi) 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.  
 For other configurations/quick codes not available in this catalogue page please consult factory

**CURVES**



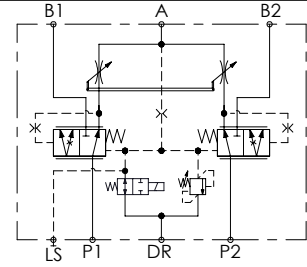
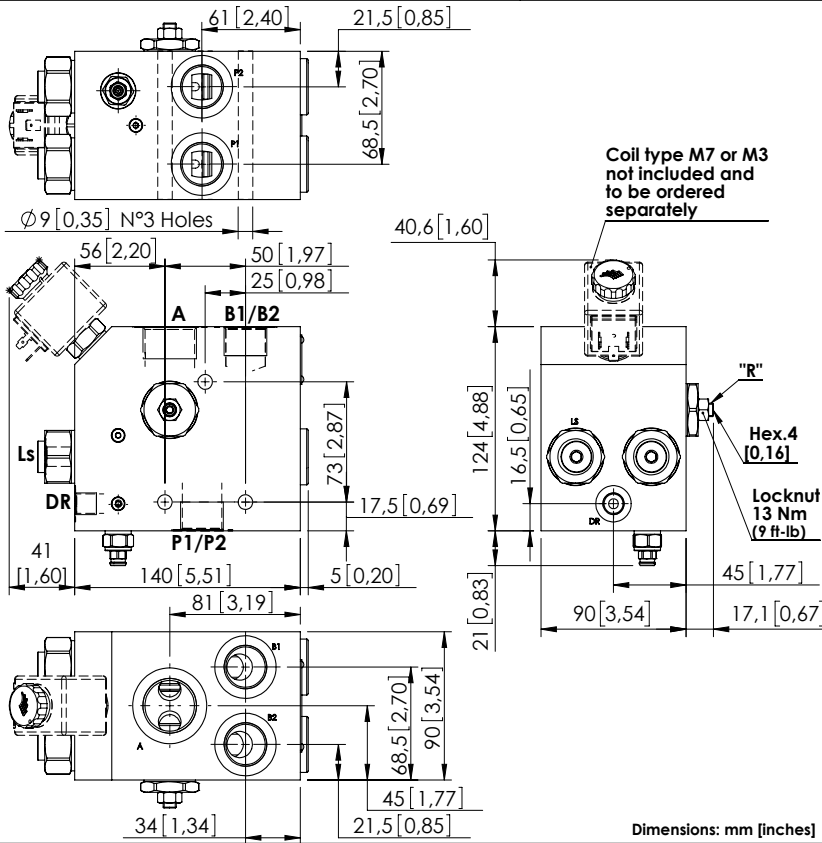
**ORDERING CODES**

Quick code	Description	Ports	Standard setting Q=5 l/min (1,3 gpm)	Adjustment range	Pressure increase
MF000066	MFTT-100-MHAR-85-G12-V210	P1,P2,B1,B2: G 1/2" A: G 3/4",DR: G 1/4"	200 bar (2900 psi)	100-200 bar (1500-2900 psi)	75 bar/turn (1100 psi/turn)
MF000067	MFTT-100-MHAR-85-G12-V350	P1,P2,B1,B2: G 1/2" A: G 3/4",DR: G 1/4"	350 bar (5000 psi)	150-350 bar (2100-5000 psi)	165 bar/turn (2300 psi/turn)

FLOW REGULATOR

# MFTT-200-MHAR

PRESSURE COMPENSATED  
PRIORITY-TWO PUMPS SYSTEM  
FLOW REGULATOR FOR  
AUXILIARY CIRCUITS



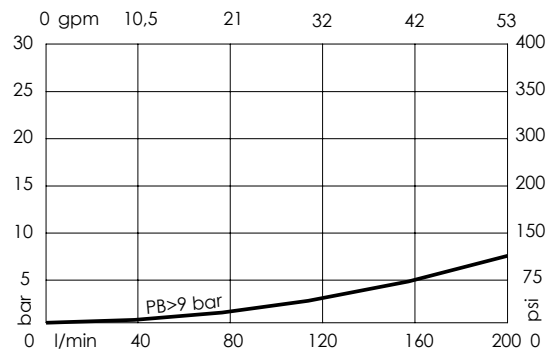
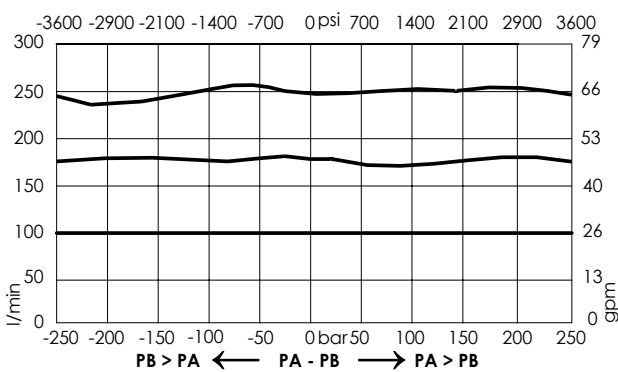
## SPECIFICATIONS

Max. operating pressure:	350 bar (5000 psi)
Rated flow:	2 x 200 l/min (2x53 gpm)
Regulated flow:	3-250 l/min (0,8-66 gpm)
Manifold:	Steel
Weight:	11,16 kg (24 lbs)
Contamination class to ISO 4406:	See technical spec.
MTTFd:	150 - 1200 years: See technical spec.

## NOTES

Turn screw "R" anti-clockwise to increase regulated flow.  
 Drain flow from T, when de-energized, up to 1,5 l/min (0,4 gpm).  
 Max back pressure admitted on "DR" line 1,5 bar (21 psi).  
 For correct operation 8-9 bar (110-130 psi) must be present in port A. For open centre or low pressure systems a 9 bar (130 psi) 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.  
 For other configurations/quick codes not available in this catalogue page please consult factory

## CURVES



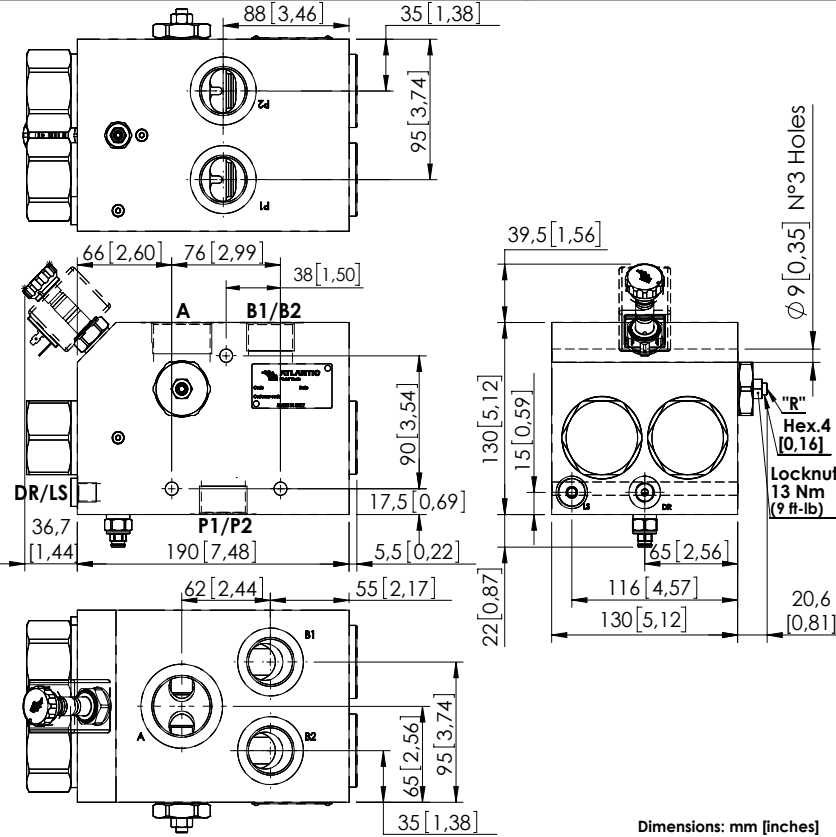
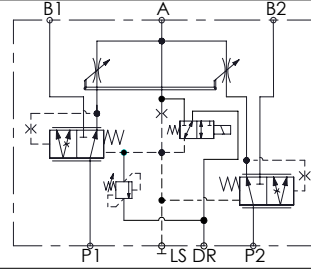
## ORDERING CODES

Quick code	Description	Ports	Standard setting Q=5 l/min (1,3 gpm)	Adjustment range	Pressure increase
MF000064	MFTT-200-MHAR-14-G34-V210	P1,P2,B1,B2:G3/4" A:G1", T:G1/4"	200 bar (2900 psi)	100-200 bar (1500-2900 psi)	75 bar/turn (1100 psi/turn)
MF000065	MFTT-200-MHAR-14-G34-V350	P1,P2,B1,B2:G3/4" A:G1", T:G1/4"	350 bar (5000 psi)	150-350 bar (2100-5000 psi)	165 bar/turn (2300 psi/turn)

FLOW REGULATOR

# MFTT-300-MHAR

PRESSURE COMPENSATED  
PRIORITY  
FLOW REGULATOR FOR  
AUXILIARY CIRCUITS



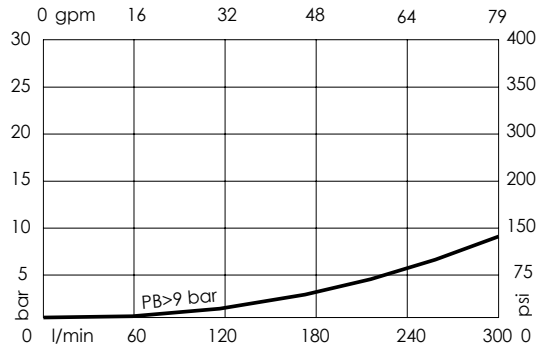
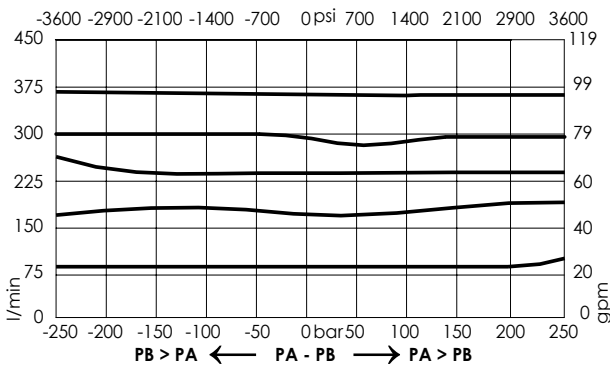
**SPECIFICATIONS**

Max. operating pressure:	350 bar (5000 psi)
Rated flow:	2 x 300 l/min (2x79 gpm)
Regulated flow:	1,5-300 l/min (0,4-79 gpm)
Manifold:	Steel
Weight:	22,36 kg (49,3 lbs)
Contamination class to ISO 4406:	See technical spec.
MTTFa:	150 - 1200 years: See technical spec.

**NOTES**

Turn screw "R" anti-clockwise to increase regulated flow.  
 Drain flow from T, when de-energized, up to 1,5 l/min (0,4 gpm).  
 Max back pressure admitted on "DR" line 1,5 bar (21 psi).  
 For correct operation 8-9 bar (110-130 psi) must be present in port A. For open centre or low pressure systems a 9 bar (130 psi) 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.  
 For other configurations/quick codes not available in this catalogue page please consult factory

**CURVES**



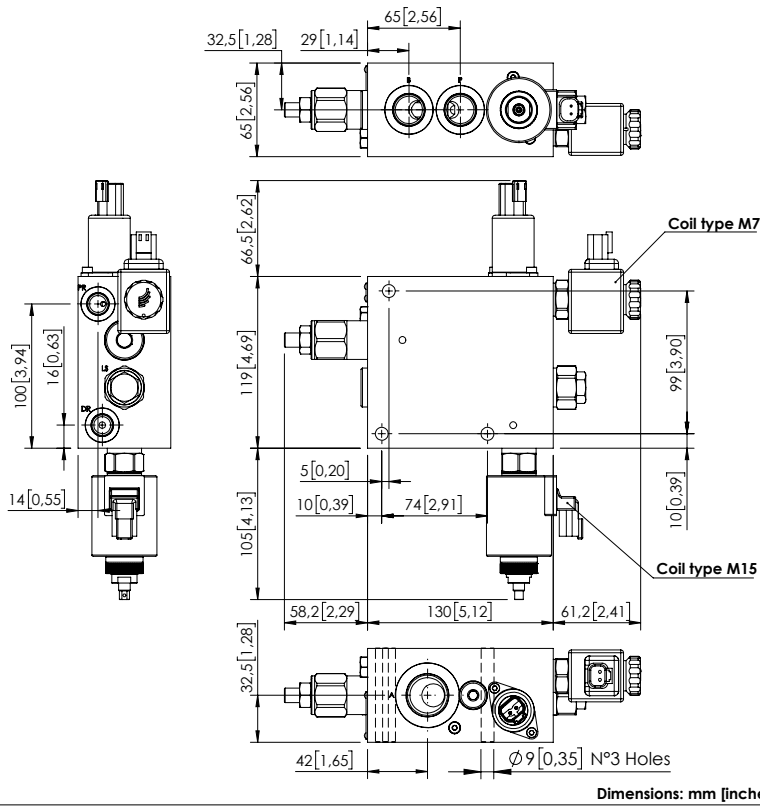
**ORDERING CODES**

Quick code	Description	Ports	Standard setting Q=5 l/min (1,3 gpm)	Adjustment range	Pressure increase
MF000275	MFTT-300-MHAR-30-G11-V350	P1,P2,B1,B2: G 1" A: G 1-1/4", DR,LS: G 1/4"	350 bar (5000 psi)	150-350 bar (2100-5000 psi)	165 bar/turn (2300 psi/turn)

FLOW REGULATOR

# MFPT-100-MHAR

PROPORTIONAL VALVE



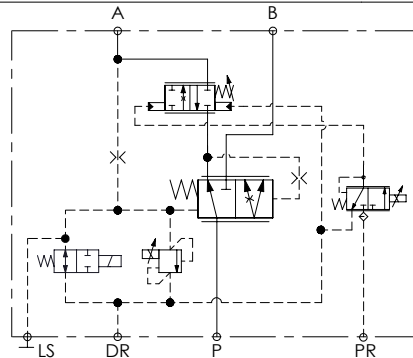
**SPECIFICATIONS**

Max. operating pressure:	350 bar (5000 psi)
Max. operating pressure to PR:	50 bar (725 psi)
Max. operating pressure to DR:	1,5 bar (21 psi)
Rated flow:	100 l/min (26 gpm)
Regulated flow:	1,5 - 85 l/min 0,4-22 gpm)
Weight:	8,37 kg (21,6 lbs)
Manifold:	Steel - Zinc plated
Contamination class to ISO 4406:	See technical spec.
MTTF <sub>d</sub> :	150 - 1200 years: See technical spec.

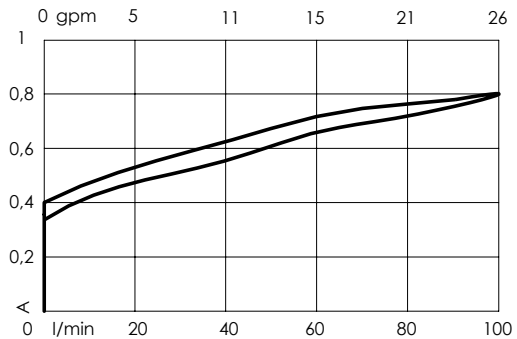
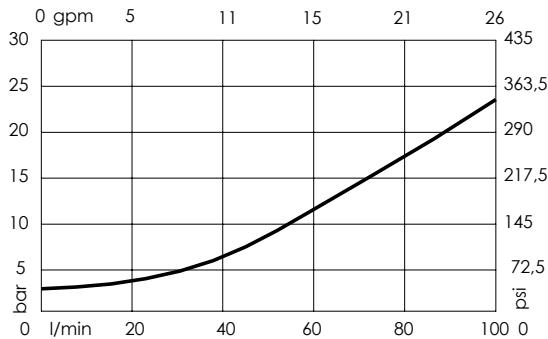
**NOTES**

- Max back pressure admitted on "DR" line 1,5 bar.
  - For correct operation 8-9 bar must be present in part A. For open centre or low pressure systems a 9 bar check valve should be fitted in part 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.
- For other configurations/quick codes not available in this catalogue page please consult factory

**SCHEME**



**CURVES**



**ORDERING CODES**

Quick code	Description	Type of coil	Mail ports size	Setting range
MF000406	MFPT-100-MHAR-85-J34-V350-12V	12V - DT04	P,B: 1/2" JIS A: 3/4" JIS PR,DR,LS: 1/4" JIS	30- 350 bar (430 - 5000 psi)
MF000407	MFPT-100-MHAR-85-J34-V350-24V	24V - DT04		
MF000166	MFPT-100-MHAR-85-G34-V350-12V	12V - DT04	P,B: G 1/2" A: G 3/4" PR,DR,LS: G 1/4"	30- 350 bar (430 - 5000 psi)
MF000167	MFPT-100-MHAR-85-G34-V350-24V	24V - DT04		

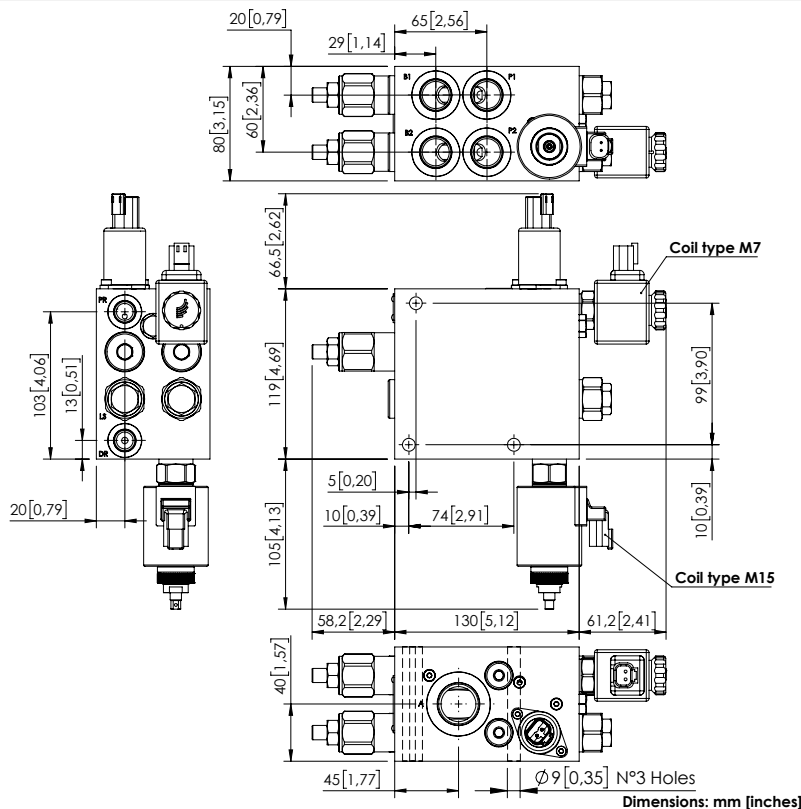
Revision A1



FLOW REGULATOR

# MFFT-100-MHAR

PROPORTIONAL VALVE



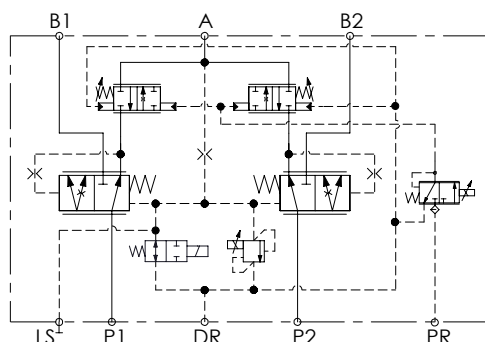
### SPECIFICATIONS

Max. operating pressure:	350 bar (5000 psi)
Max. operating pressure to PR:	50 bar (725 psi)
Max. operating pressure to DR:	1,5 bar (21 psi)
Rated flow:	2x100 l/min (26 gpm)
Flow regulated:	1,5 - 85 l/min (0,4 - 22 gpm)
Weight:	9,86 kg (21,6 lbs)
Manifold:	Steel - Zinc plated
Contamination class to ISO 4406:	See technical spec.
MTF <sub>a</sub> :	150 - 1200 years: See technical spec.

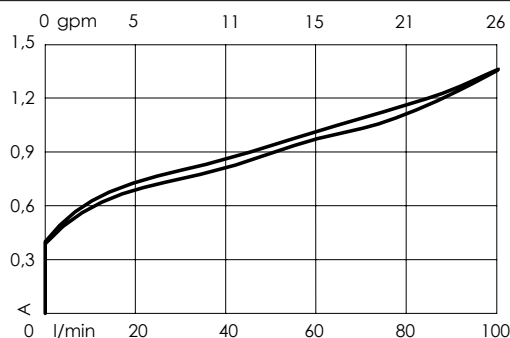
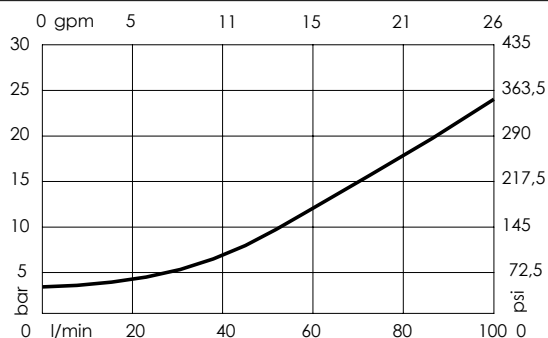
### NOTES

- 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.
- For other configurations/quick codes not available in this catalogue page please consult factory

### SCHEME



### CURVES



### ORDERING CODES

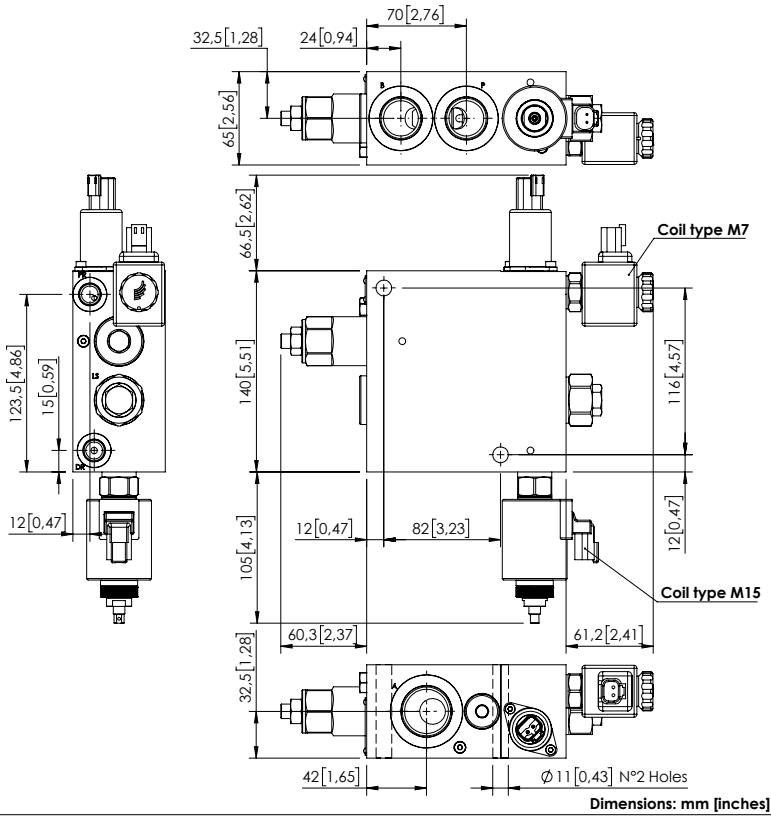
Quick code	Description	Type of coil	Mail ports size	Setting range
MF000408	MFFT-100-MHAR-15-J34-V350-12V	12V - DT04	P1,P2,B1,B2: 1/2" JIS A: 3/4" JIS PR,DR,LS: 1/4" JIS	30- 350 bar (430 - 5000 psi)
MF000409	MFFT-100-MHAR-15-J34-V350-24V	24V - DT04		
MF000168	MFFT-100-MHAR-15-G34-V350-12V	12V - DT04	P1,P2,B1,B2: G 1/2" A: G 3/4" PR,DR,LS: G 1/4"	30- 350 bar (430 - 5000 psi)
MF000169	MFFT-100-MHAR-15-G34-V350-24V	24V - DT04		

Revision A1

FLOW REGULATOR

# MFPT-200-MHAR

PROPORTIONAL VALVE



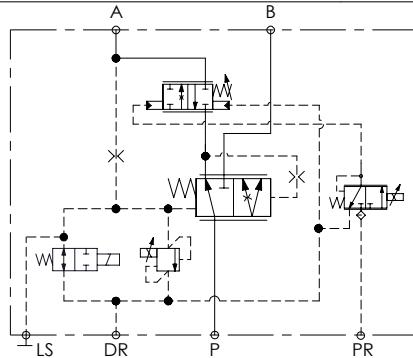
## SPECIFICATIONS

Max. operating pressure:	350 bar (5000 psi)
Max. operating pressure to PR:	50 bar (725 psi)
Max. operating pressure to DR:	1,5 bar (21 psi)
Rated flow:	200 l/min (52,5 gpm)
Flow regulated:	1,5 - 160 l/min (0,4 - 42 gpm)
Weight:	10,12 kg (22 lbs)
Manifold:	Steel - Zinc plated
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

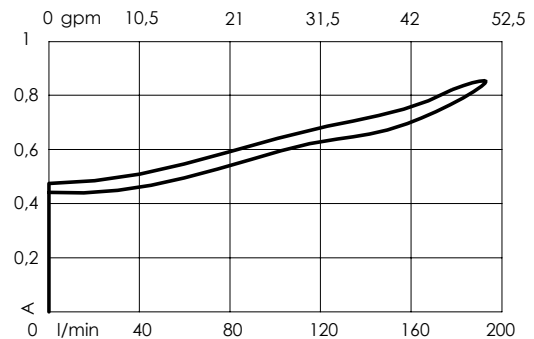
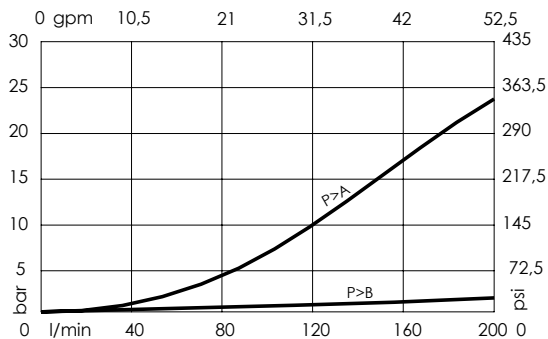
## NOTES

- Max back pressure admitted on "DR" line 1,5 bar.
  - For correct operation 8-9 bar must be present in part A. For open centre or low pressure systems a 9 bar check valve should be fitted in part 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.
- For other configurations/quick codes not available in this catalogue page please consult factory

## SCHEME



## CURVES



## ORDERING CODES

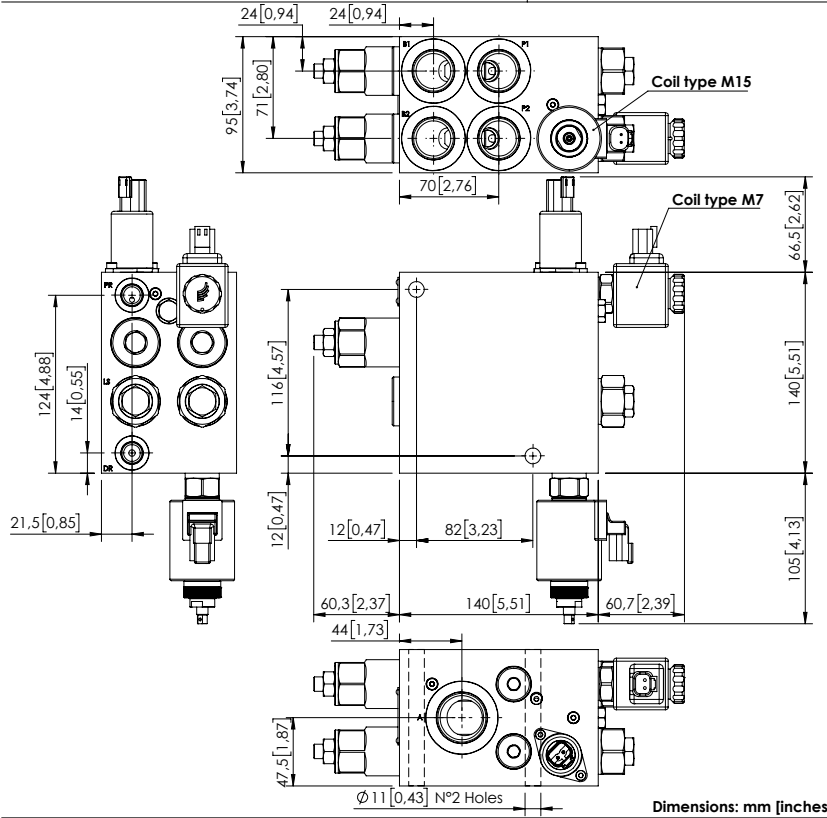
Quick code	Description	Type of coil	Mail ports size	Setting range
MF000410	MFPT-200-MHAR-16-J10-V350-12V	12V - DT04	P,B: 3/4" JIS A: 1" JIS PR,DR,LS: 1/4" JIS	30- 350 bar (430 - 5000 psi)
MF000411	MFPT-200-MHAR-16-J10-V350-24V	24V - DT04		
MF000170	MFPT-200-MHAR-16-G10-V350-24V	12V - DT04	P,B: G 3/4" A: G 1" PR,DR,LS: G 1/4"	30- 350 bar (430 - 5000 psi)
MF000171	MFPT-200-MHAR-16-G10-V350-24V	24V - DT04		

Revision A1

FLOW REGULATOR

# MFTT-200-MHAR

PROPORTIONAL VALVE



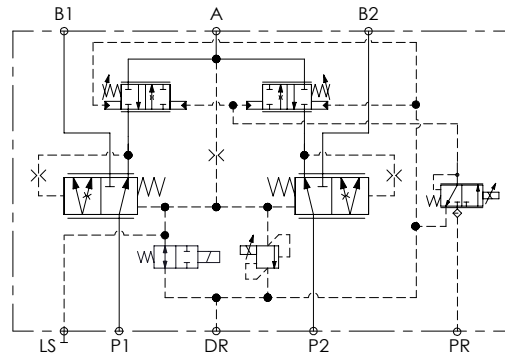
### SPECIFICATIONS

Max. operating pressure:	350 bar (5000 psi)
Max. operating pressure to PR:	50 bar (725 psi)
Max. operating pressure to DR:	1,5 bar (21 psi)
Rated flow:	2x200 l/min (52 gpm)
Flow regulated:	1,5 - 160 l/min (0,4 - 42 gpm)
Weight:	14,13 kg (31 lbs)
Manifold:	Steel - Zinc plated
Contamination class to ISO 4406:	See technical spec.
MTTf <sub>a</sub> :	150 - 1200 years: See technical spec.

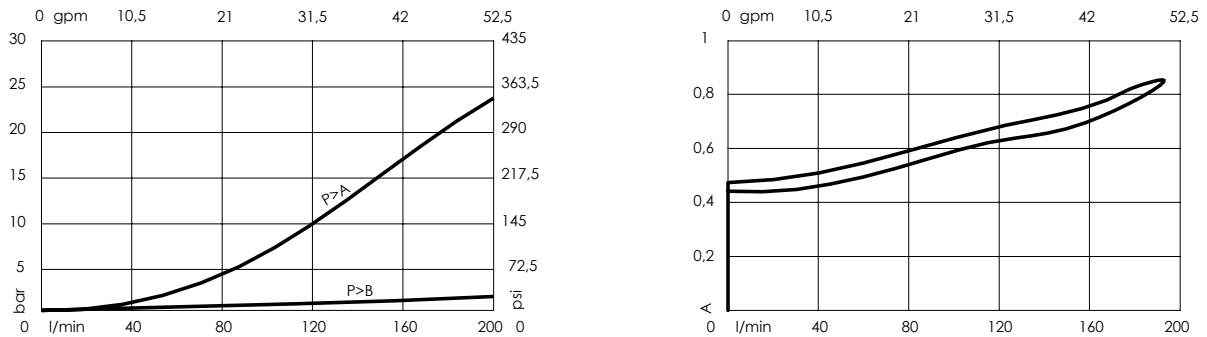
### NOTES

- 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.
- For other configurations/quick codes not available in this catalogue page please consult factory

### SCHEME



### CURVES



### ORDERING CODES

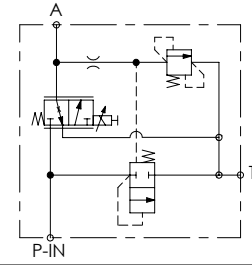
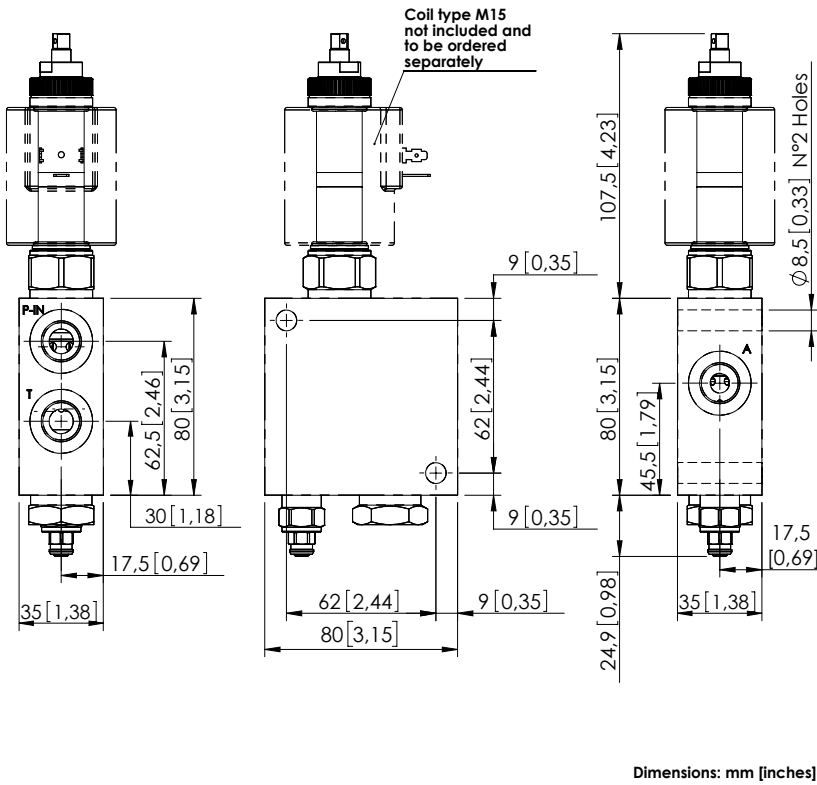
Quick code	Description	Type of coil	Mail ports size	Setting range
MF000412	MFTT-200-MHAR-30-J10-V350-12V	12V - DT04	P,B: 3/4" JIS A: 1" JIS PR,DR,LS: 1/4" JIS	30- 350 bar (430 - 5000 psi)
MF000413	MFTT-200-MHAR-30-J10-V350-24V	24V - DT04		
MF000172	MFTT-200-MHAR-30-G10-V350-12V	12V - DT04	P,B: G 3/4" A: G 1" PR,DR,LS: G 1/4"	30- 350 bar (430 - 5000 psi)
MF000173	MFTT-200-MHAR-30-G10-V350-24V	24V - DT04		

Revision A1

FLOW REGULATOR

# MFCZ-040-LSLR

PROPORTIONAL VALVE  
COMPENSATED



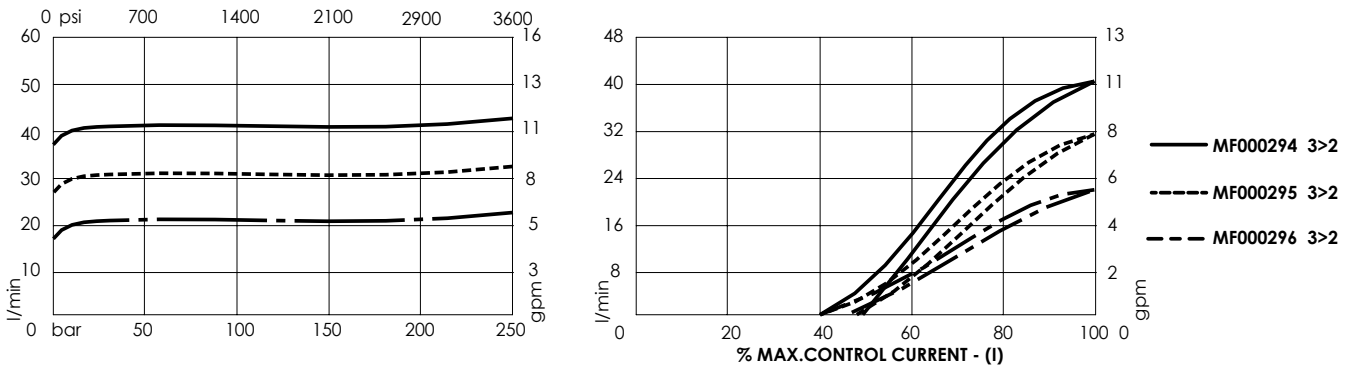
## SPECIFICATIONS

Max. operating pressure:	210 bar (3000 psi)
Rated flow:	40 l/min (11 gpm)
Recommenden PWM range:	150-180 Hz
Manifold:	Aluminium
Weight:	0,84 kg (1,85 lbs)
Coil type:	M15
Max. int. leakage:	150 cm <sup>3</sup> /min (@46 cSt) 9 in <sup>3</sup> /min (@46 cSt)
Contamination class to ISO 4406:	See technical spec.
MTTF <sub>d</sub> :	150 - 1200 years: See technical spec.

## NOTES

- Bleed air before use.
- Manual override screw type.
- See chapter 21.00.000 for coil.
- For other configurations/quick codes not available in this catalogue page please consult factory

## CURVES



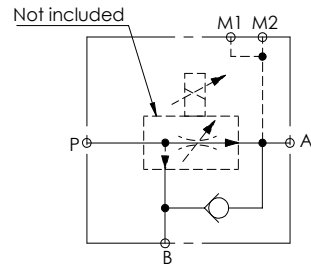
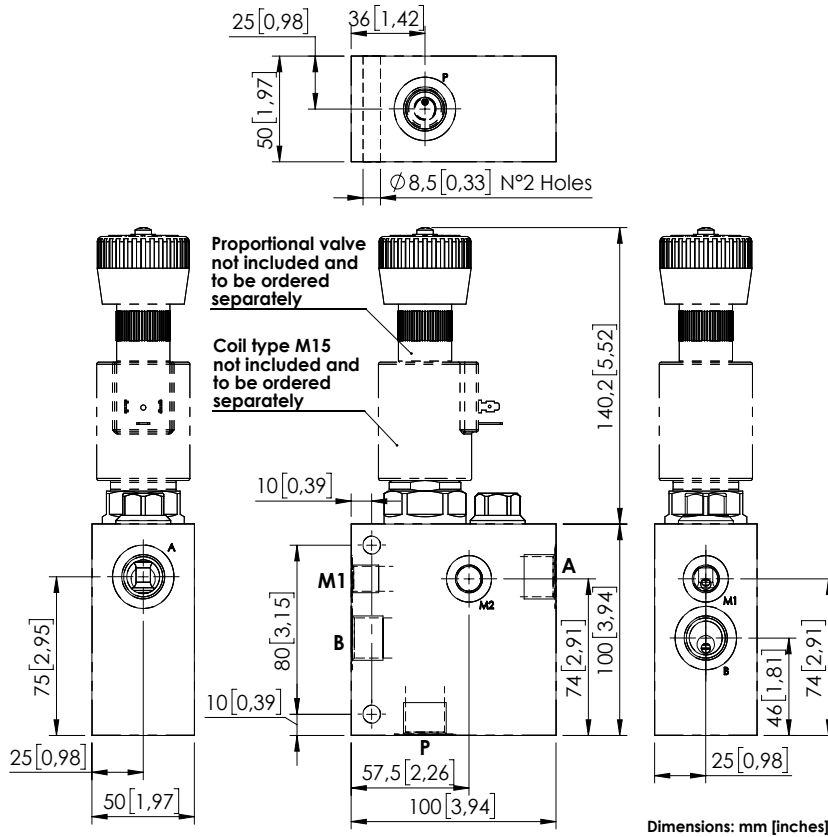
## ORDERING CODES

Quick code	Description	Rated flow	Ports	Threshold current (with 12VDC coil)	Max control current (with 12VDC coil)
MF000294	MFCZ-040-LSLR-40-G38-N210	40 l/min (11 gpm)	A,P-IN,T: G 3/8"	800 mA (± 7%)	1600 mA (± 7%)
MF000295	MFCZ-030-LSLR-30-G38-N210	30 l/min (8 gpm)	A,P-IN,T: G 3/8"	700 mA (± 7%)	1500 mA (± 7%)
MF000296	MFCZ-020-LSLR-20-G38-N210	20 l/min (5 gpm)	A,P-IN,T: G 3/8"	700 mA (± 7%)	2400 mA (± 7%)

FLOW REGULATOR

# MFPC-140-AMLR

PROPORTIONAL VALVES WITH ANTICAVITATION



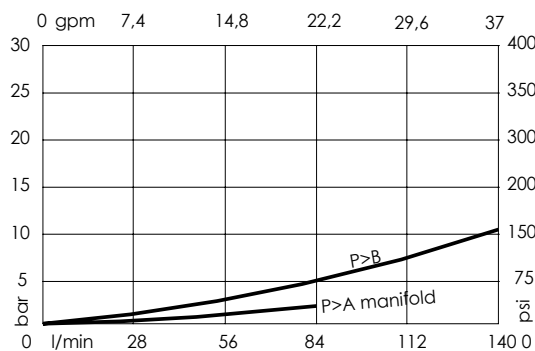
## SPECIFICATIONS

Max. operating pressure:	320 bar (4600 psi)
Rated flow:	140 l/min (37 gpm)
Regulated flow:	0-80 l/min (0-21 gpm)
Manifold:	Aluminium
Weight:	1,13 kg (2.5 lbs)
Coil type:	M15
Cavity type:	SAE-16-3N
Contamination class to ISO 4406:	See technical spec.
MTF <sub>d</sub> :	150 - 1200 years: See technical spec.

## NOTES

See chapter 21.00.000 for coil.  
 See chapter 16.00.000 for proportional valve info.  
 For other configurations/quick codes not available in this catalogue page please consult factory

## CURVES



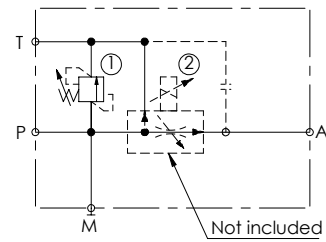
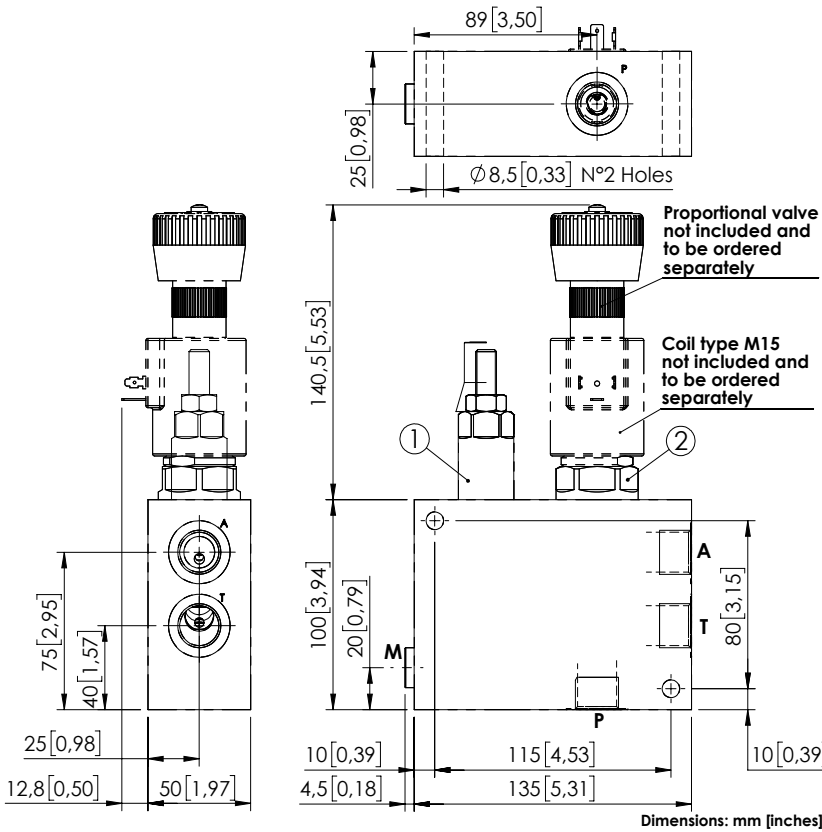
## ORDERING CODES

Quick code	Description	Ports	Standard setting Q=5 l/min (1,3 gpm)	Adjustment range	Pressure increase
MF000349	MFPC-140-AMLR-80-G12-N320	P,A,T: G 1/2" M: G 1/4"	200 bar (2900 psi)	60-210 bar (850-3000 psi)	24 bar/turn (350 psi/turn)

FLOW REGULATOR

# MFPC-140-LMLR

PROPORTIONAL VALVE WITH RELIEF



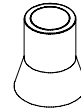
### SPECIFICATIONS

Max. operating pressure:	320 bar (4600 psi)
Rated flow:	140 l/min (37 gpm)
Regulated flow:	0-80 l/min (0-21 gpm)
Manifold:	Aluminium
Weight:	1,75 kg (3,85 lbs)
Coil type:	M15
Cavity type:	SAE-16-3N
Contamination class to ISO 4406:	See technical spec.
150 - 1200 years:	See technical spec.

### NOTES

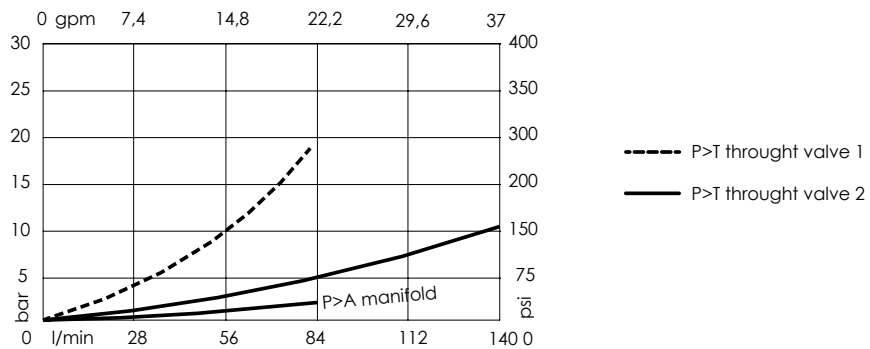
See chapter 21.00.000 for coil.  
See chapter 16.00.000 for proportional valve info.  
For other configurations/quick codes not available in this catalogue page please consult factory

### SEALING CAP



Ordering code:  
AT000021

### CURVES



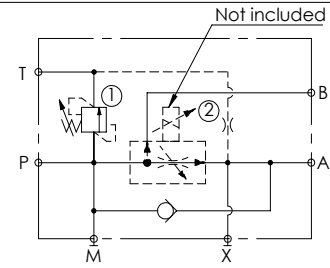
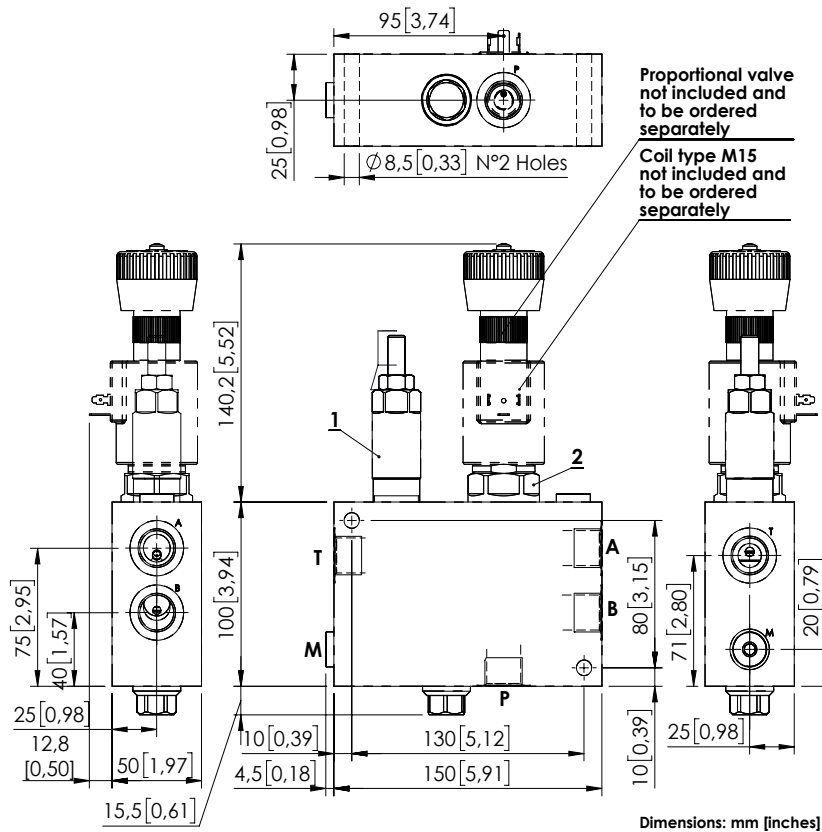
### ORDERING CODES

Quick code	Description	Ports	Standard setting Q=5 l/min (1,3 gpm)	Adjustment range	Pressure increase
MF000350	MFPC-140-LMLR-80-G12-N320	P,A,T: G 1/2" M: G 1/4"	200 bar (2900 psi)	60-210 bar (850-3000 psi)	24 bar/turn (350 psi/turn)

FLOW REGULATOR

# MFPC-140-TMLR

PROPORTIONAL VALVES  
WITH BYPASS CHECK  
WITH RELIEF



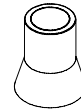
### SPECIFICATIONS

Max. operating pressure:	320 bar (4600 psi)
Rated flow:	140 l/min (37 gpm)
Regulated flow:	0-80 l/min (0-21 gpm)
Manifold:	Aluminium
Weight:	2,02 kg (4,4 lbs)
Coil type:	M15
Cavity type:	SAE-16-3N
Contamination class to ISO 4406:	See technical spec.
MTF <sub>a</sub> :	150 - 1200 years: See technical spec.

### NOTES

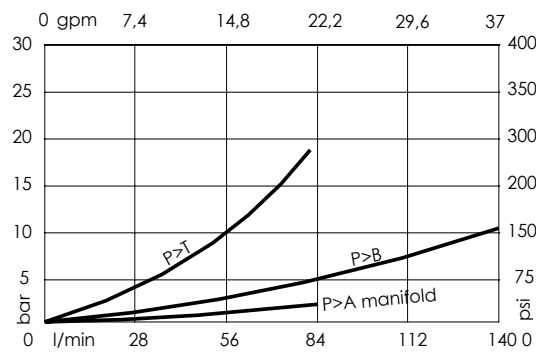
See chapter 21.00.000 for coil.  
See chapter 16.00.000 for proportional valve info.  
For other configurations/quick codes not available in this catalogue page please consult factory

### SEALING CAP



Ordering code:  
AT000021

### CURVES



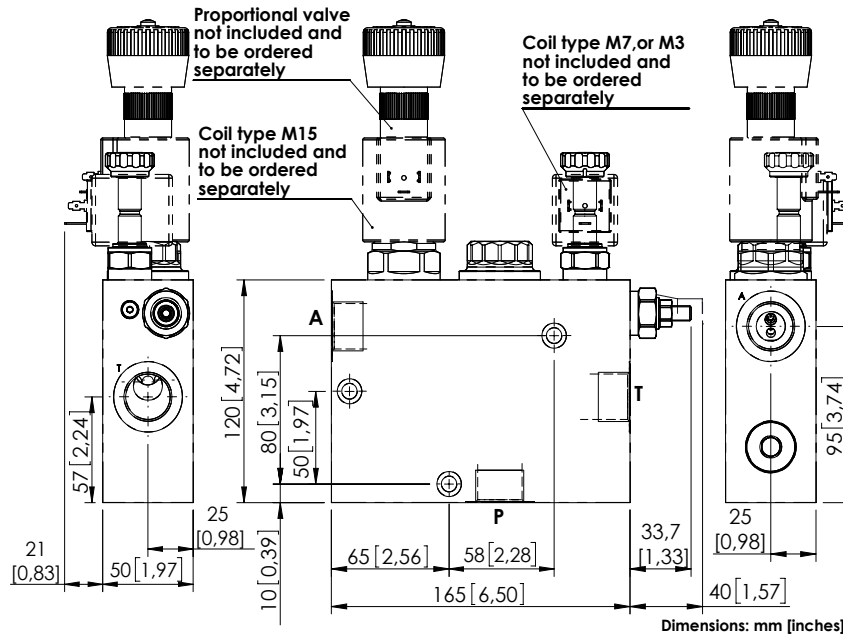
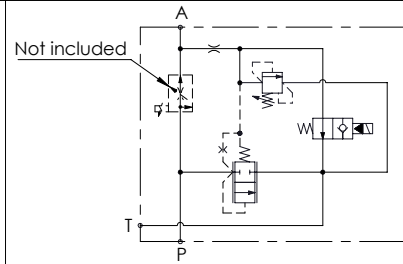
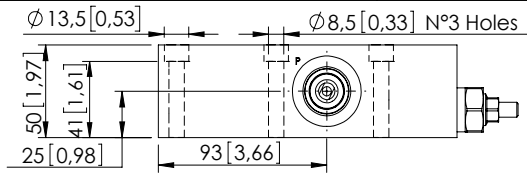
### ORDERING CODES

Quick code	Description	Ports	Standard setting Q=5 l/min (1,3 gpm)	Adjustment range	Pressure increase
MF000351	MFPC-140-TMLR-80-G12-N320	P, A, T: G 1/2" M: G 1/4"	200 bar (2900 psi)	60-210 bar (850-3000 psi)	24 bar/turn (350 psi/turn)

FLOW REGULATOR

# MFPC-200-MMAR

PROPORTIONAL VALVES  
WITH UNLOADING  
WITH RELIEF



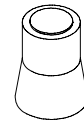
### SPECIFICATIONS

Max. operating pressure:	320 bar (4600 psi)
Rated flow:	200 l/min (53 gpm)
Regulated flow:	0-80 l/min (0-21 gpm)
Manifold:	Steel
Weight:	6,73 kg (14,8 lbs)
Coil type:	M7 or M3 and M15 type
Cavity type:	SAE-16-3N
Contamination class to ISO 4406:	See technical spec.
MTTFd:	150 - 1200 years: See technical spec.

### NOTES

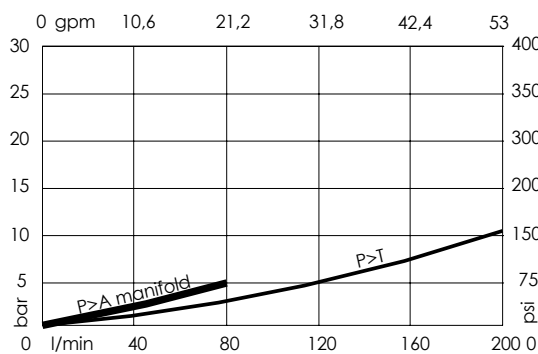
See chapter 21.00.000 for coils.  
See chapter 16.00.000 for proportional valve info.  
For other configurations/quick codes not available in this catalogue page please consult factory

### SEALING CAP



Ordering code:  
**AT000020**

### CURVES



### ORDERING CODES

Quick code	Description	Ports	Standard setting Q=5 l/min (1,3 gpm)	Adjustment range	Pressure increase
MF000352	MFPC-200-MMAR-80-G12-N320	P,T,R: G 3/4"	220 bar (3200 psi)	140-350 bar (2000-5000 psi)	142 bar/turn (2000 psi/turn)