

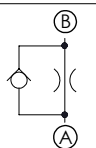
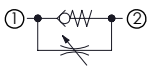
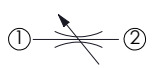
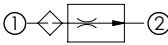
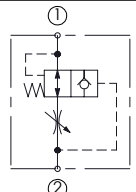
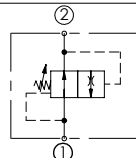
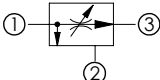
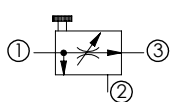
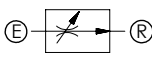
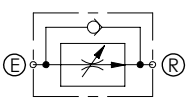
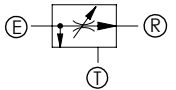
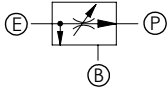


ATLANTIC
Fluid Tech

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 |
|  | CFCT-060-MHRR | Three ways combination | 60 (16) | 350 (5000) | Cartridge | SAE-10-3N | 13.07. 100 |
|  | CFPT-140-MMRR | Three ways combination | 140 (37) | 350 (5000) | Cartridge | SAE-16-3N | 13.08. 110 |
|  | MFST-030-RVTR-30 | Two ways compensated | 30 (8) | 210-350 (3000-5000) | In line | G 3/8" | 13.09. 120 |
| | MFST-055-RVTR-55 | Two ways compensated | 55 (15) | 210-350 (3000-5000) | In line | G 1/2" | 13.09. 130 |
| | MFST-090-RPZR | Two ways compensated | 90 (24) | 210 (3000) | In line | G 1/2" | 13.09. 140 |
| | MFST-090-RVTR-90 | Two ways compensated | 90 (24) | 210-350 (3000-5000) | In line | G 3/4" | 13.09. 150 |
| | MFST-190-RVTR-19 | Two ways compensated | 190 (50) | 210-350 (3000-5000) | In line | G 1" | 13.09. 160 |
|  | MFST-055-VVTR | Two ways compensated with check valve | 55 (15) | 210 (3000) | In line | G 1/2" | 13.10. 170 |
|  | MFCT-055-RVTR-30 | Three ways compensated | 55 (15) | 210-350 (3000-5000) | In line | G 3/8" | 13.11. 180 |
| | MFCT-090-RVTR-55 | Three ways compensated | 90 (24) | 210-350 (3000-5000) | In line | G 1/2" | 13.11. 190 |
| | MFCT-090-RPZR | Three ways compensated | 90 (24) | 210 (3000) | In line | G 1/2" | 13.11. 200 |
| | MFCT-150-RVTR-90 | Three ways compensated | 150 (40) | 210-350 (3000-5000) | In line | G 3/4" | 13.11. 210 |
| | MFCT-280-RVTR-19 | Three ways compensated | 280 (74) | 210-350 (3000-5000) | In line | G 1" | 13.11. 220 |
|  | MFPT-090-RVTR | Pressure compensated, priority flow regulator | 90 (24) | 210 (3000) | In line | G 1/2" | 13.11. 230 |
| | MFPT-090-RPZR | Pressure compensated, priority flow regulator | 90 (24) | 210 (3000) | In line | G 1/2" | 13.11. 240 |

FLOW CONTROL VALVES



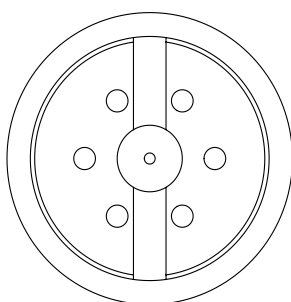
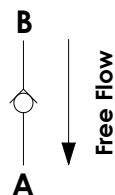
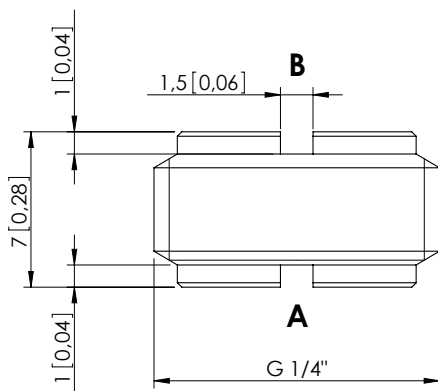
| Hydraulic scheme | Valve description | Valve type | Rated flow l/min (gpm) | Max. pressure bar (psi) | Installation | Main port size or cavity type | Page |
|------------------|-------------------------------|---|---------------------------|----------------------------|--------------|----------------------------------|-------------------|
| | MFCT-090-RVTN | Three ways compensated | 90 (24) | 210 (3000) | In line | G 1/2" | 13.12. 250 |
| | MFCT-090-VPZR | Three ways compensated with check valve | 90 (24) | 210 (3000) | In line | G 1/2" | 13.13. 260 |
| | MFCT-090-LPZR | Three ways compensated with relief valve | 90 (24) | 210 (3000) | In line | G 1/2" | 13.14. 270 |
| | MFCT-090-TPZR | Three ways compensated by pass check valve | 90 (24) | 210 (3000) | In line | G 1/2" | 13.15. 280 |
| | MFCT-090-MPTR | Three ways with relief valve and electric unloading | 90 (24) | 210 (3000) | In line | G 1/2" | 13.16. 290 |
| | MFCT-280-MVTR | Three ways with relief valve and electric unloading | 280 (74) | 210 (3000) | In line | G 1" | 13.16. 300 |
| | BPND-025-LLET | Solenoid operated valves | 25 (7) | 350 (5000) | In line | G 1/2" | 13.17. 310 |
| | MFCT-150-LHTR | Three ways compensated with relief valve | 150 (40) | 210 (3000) | In line | G 1" | 13.18. 320 |
| | MFPT-100-RHAR | Pressure compensated, priority flow regulator | 100 (26) | 350 (5000) | In line | G 1/2" | 13.19. 330 |
| | MFPT-200-RHAR | Pressure compensated, priority flow regulator | 200 (53) | 350 (5000) | In line | G 3/4" | 13.20. 340 |
| | MFPT-300-RHAR | Pressure compensated, priority flow regulator | 300 (79) | 350 (5000) | In line | G 1" | 13.20. 350 |
| | MFPT-100-MHAR | Pressure compensated, priority flow regulator | 100 (26) | 350 (5000) | In line | G 1/2" | 13.21. 360 |
| | MFPT-200-MHAR | Pressure compensated, priority flow regulator | 200 (53) | 350 (5000) | In line | G 3/4" | 13.21. 370 |
| | MFPT-300-MHAR | Pressure compensated, priority flow regulator | 300 (79) | 350 (5000) | In line | G 1" | 13.21. 380 |
| | MFPT-400-MHAR | Pressure compensated, priority flow regulator | 400 (106) | 350 (5000) | In line | G 1" 1/4 | 13.22. 390 |

FLOW CONTROL VALVES

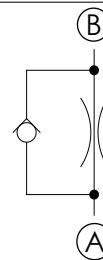


| Hydraulic scheme | Valve description | Valve type | Rated flow l/min (gpm) | Max. pressure bar (psi) | Installation | Main port size or cavity type | Page |
|------------------|-------------------|---|---------------------------|----------------------------|--------------|----------------------------------|-----------|
| | MFFT-100-MHAR | Pressure compensated, priority flow regulator | 2x100 (2x26) | 350 (5000) | In line | G 1/2" | 13.23.400 |
| | MFFT-200-MHAR | Pressure compensated, priority flow regulator | 2x200 (2x53) | 350 (5000) | In line | G 3/4" | 13.23.410 |
| | MFFT-300-MHAR | Pressure compensated, priority flow regulator | 2x300 (2x79) | 350 (5000) | In line | G 1" | 13.23.420 |
| | MFPT-100-MHAR | Proportional, priority flow regulator | | 350 (5000) | In line | G 1/2" - J 1/2" | 13.24.430 |
| | MFPT-200-MHAR | Proportional, priority flow regulator | | 350 (5000) | In line | G 3/4" - J 3/4" | 13.24.450 |
| | MFFT-100-MHAR | Proportional, priority flow regulator | 2x100 (2x26) | 350 (5000) | In line | G 1/2" - J 1/2" | 13.25.440 |
| | MFFT-200-MHAR | Proportional, priority flow regulator | 2x200 (2x53) | 350 (5000) | In line | G 3/4" - J 3/4" | 13.25.460 |
| | MFCZ-040-LSLR | Proportional valve, compensated | 40 (11) | 210 (3000) | In line | G 3/8" | 13.26.470 |
| | MFCZ-030-LSLR | Proportional valve, compensated | 30 (8) | 210 (3000) | In line | G 3/8" | 13.26.470 |
| | MFCZ-020-LSLR | Proportional valve, compensated | 20 (5) | 210 (3000) | In line | G 3/8" | 13.26.470 |
| | MFPC-140-AMLR | Proportional valve, compensated | 90 (24) | 210 (3000) | In line | G 1/2" | 13.27.480 |
| | MFPC-140-LMLR | Proportional valve, compensated | 90 (24) | 210 (3000) | In line | G 1/2" | 13.28.490 |
| | MFPC-140-TMLR | Proportional valve, compensated | 90 (24) | 210 (3000) | In line | G 1/2" | 13.29.500 |
| | MFPC-200-MMAR | Proportional valve, compensated | 200 (53) | 250 (3600) | In line | G 3/4" | 13.30.510 |

FLOW CONTROL VALVES

CFFN-015-MFSRINSERT TYPE
DOUBLE MOUNTING

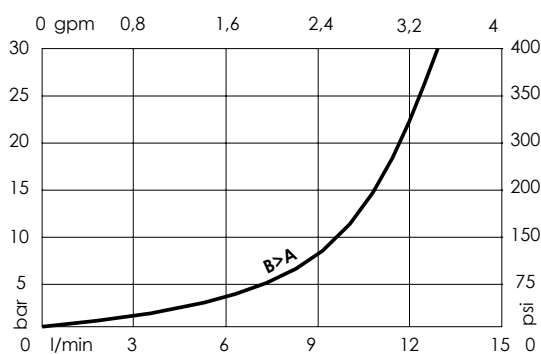
Dimensions: mm [inches]

**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 _d : | 150 - 1200 years: See technical spec. |

NOTES

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

CURVES**ORDERING CODES**

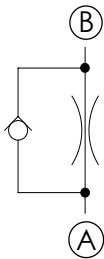
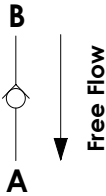
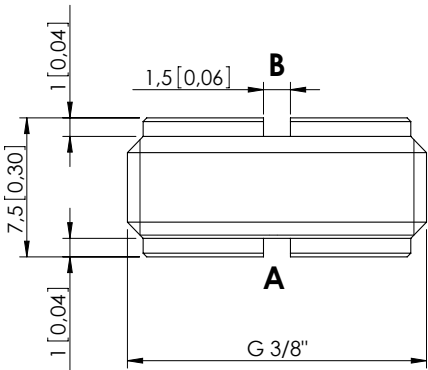
| Quick code | Description | Ø Orifice | Quick code | Description | Ø Orifice |
|------------|---------------------------|-------------|------------|---------------------------|-------------|
| CF000118 | CFFN-015-MFSR-05-G14-N350 | 0,5 [0,019] | CF000205 | CFFN-015-MFSR-13-G14-N350 | 1,3 [0,051] |
| 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



SPECIFICATIONS

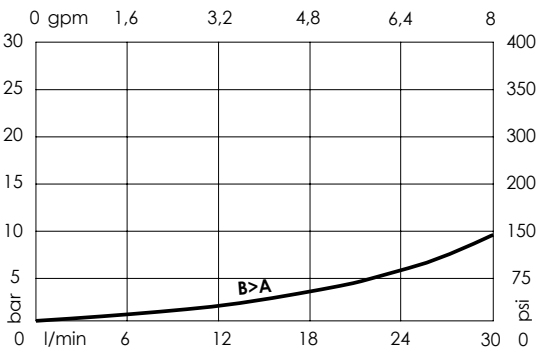
| | |
|----------------------------------|---------------------------------------|
| Max. operating pressure: | 350 bar (5000 psi) |
| Rated flow: | 30 l/min (8 gpm) |
| Cavity: | G 3/8" |
| Weight: | 0,01 kg (0,02 lbs) |
| Installation torque: | 10 Nm (7 ft-lb) |
| Contamination class to ISO 4406: |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

Dimensions: mm [inches]

NOTES

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

CURVES



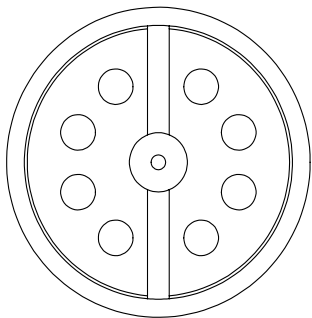
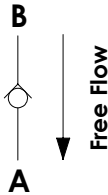
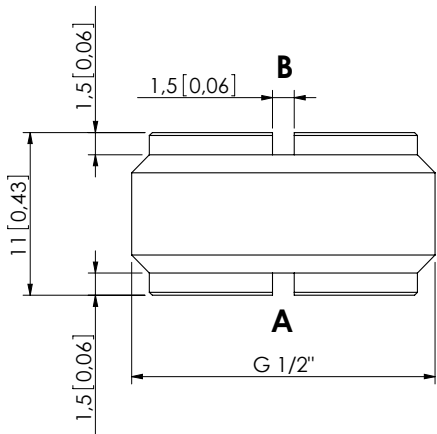
ORDERING CODES

| 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] |

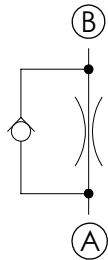
FLOW CONTROL VALVES

CFFN-070-MFSR

INSERT TYPE
DOUBLE MOUNTING



Dimensions: mm [inches]



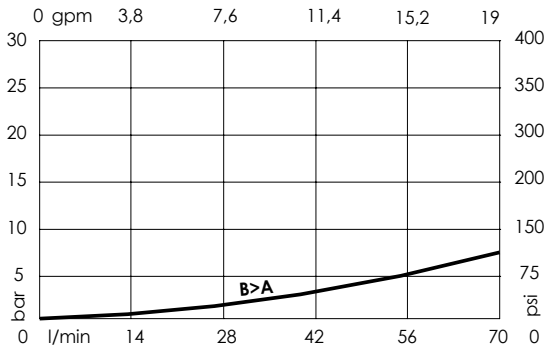
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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. |
| MTFa: | 150 - 1200 years: See technical spec. |

NOTES

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

CURVES



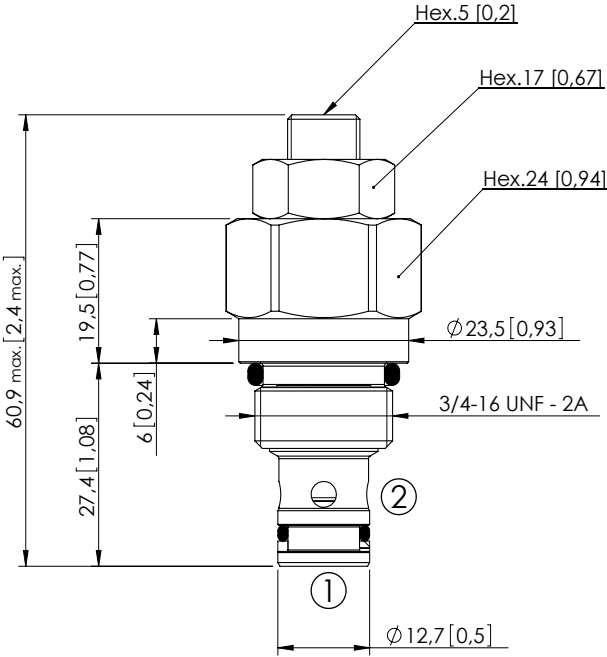
ORDERING CODES

| 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] | | | |

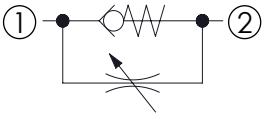
FLOW RESTRICTOR

CFSN-040-MHRR

NEEDLE RESTRICTOR
FREE REVERSE FLOW



Dimensions: mm [inches]



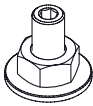
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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 _d : | 150 - 1200 years: See technical spec. |

NOTES

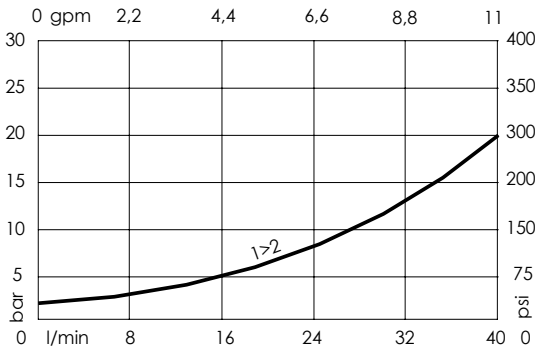
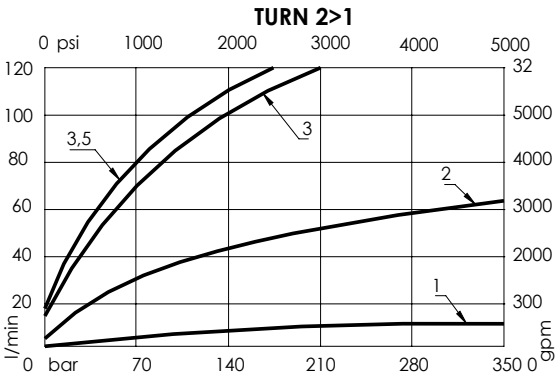
For other configurations/quick codes not available in this catalogue page please consult factory

OPTIONS



Screw and locknut

CURVES

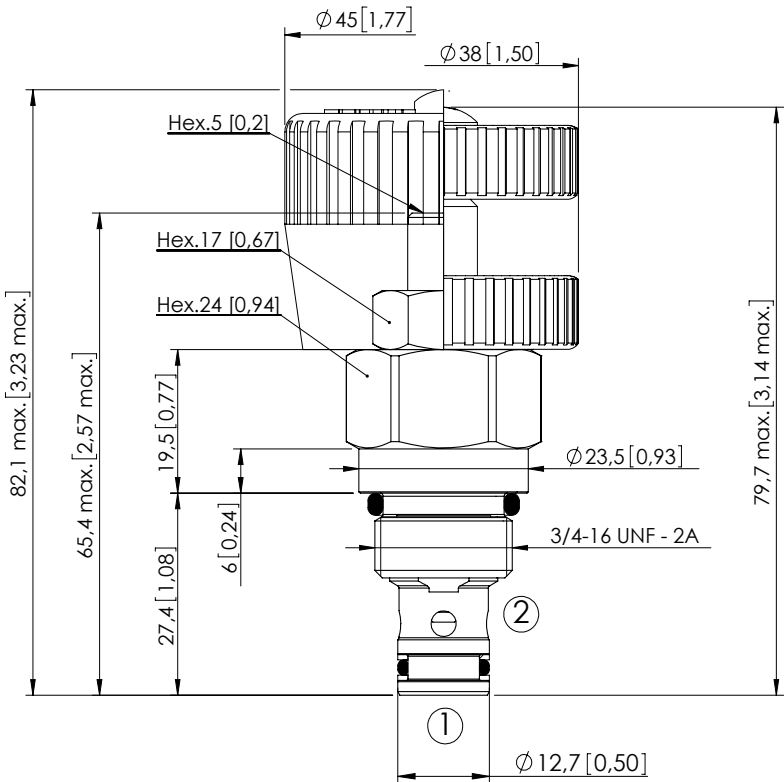


ORDERING CODES

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

FLOW RESTRICTOR

CFSN-040-BHRR

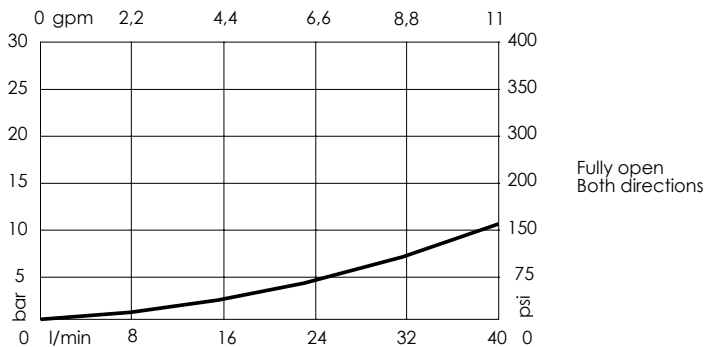


Dimensions: mm [inches]

NOTES

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

CURVES



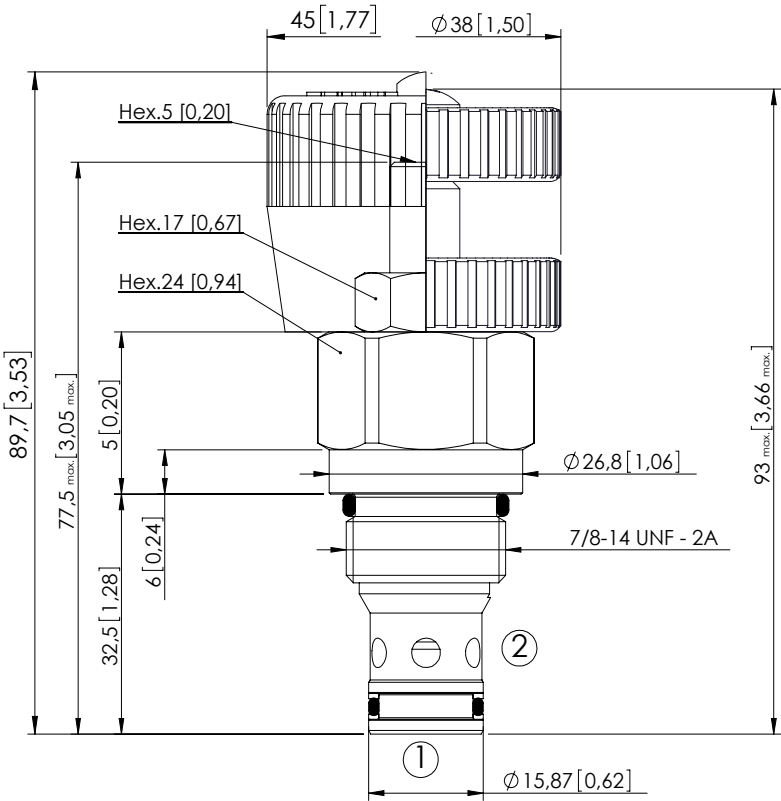
ORDERING CODES

| 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 | |
| | | | |
| | | | |
| | | | |

Revision B1

FLOW RESTRICTOR

CFSN-070-BHRR



Dimensions: mm [inches]

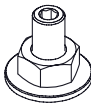
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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 _d : | 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

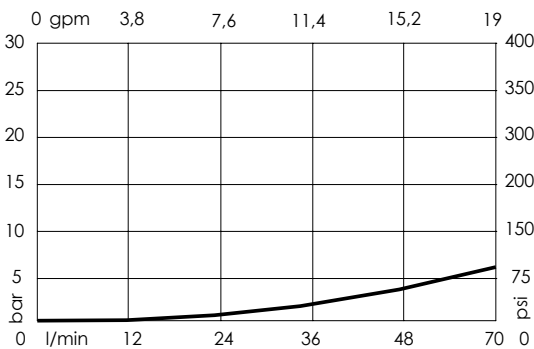


Handknob and locknut



Graduated handknob

CURVES

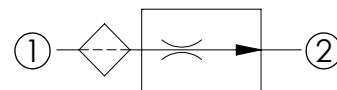
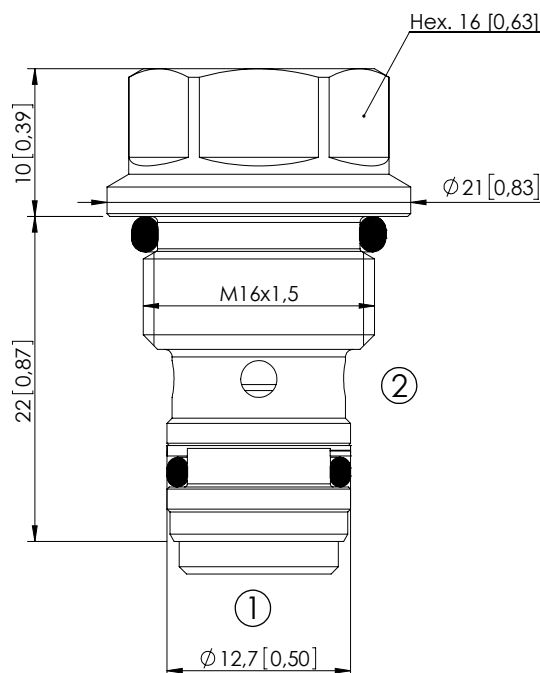


ORDERING CODES

| 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

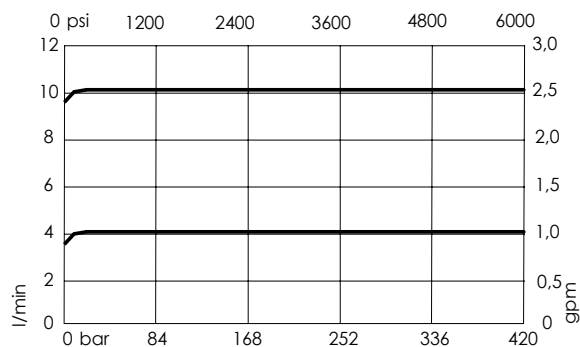
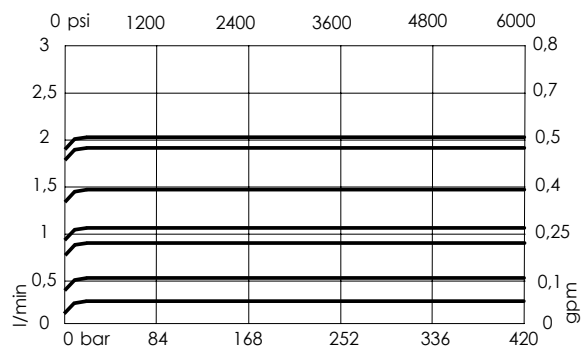
| | |
|----------------------------------|---------------------------------------|
| Max. operating pressure: | 420 bar (6000 psi) |
| Rated flow: | See table |
| Cavity: | VP000391 |
| Weight: | 0,04 kg (0,08 lbs) |
| Contamination class to ISO 4406: | See technical spec. |
| Seal kit: | RA700391 |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

Dimensions: mm [inches]

NOTES

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

CURVES



ORDERING CODES

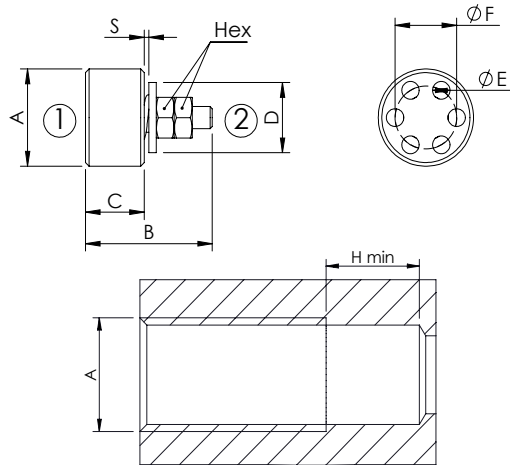
| Quick code | Description | Regulated flow (±10%) | | |
|------------|---------------------------|-----------------------|--|--|
| CF000332 | CFST-008-MFRR-03-391-N420 | 0,3 l/min (0,08 gpm) | | |
| CF000221 | CFST-008-MFRR-05-391-N420 | 0,5 l/min (0,1 gpm) | | |
| CF000296 | CFST-008-MFRR-07-391-N420 | 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

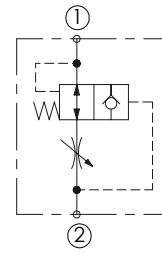
HOSE BURST VALVE

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. |
| MTTFd: | 150 - 1200 years: See technical spec. |

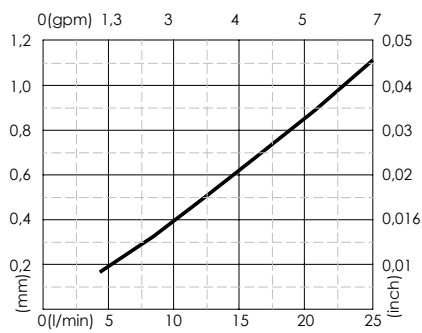
NOTES

For sleeve housing consult
Accessories section

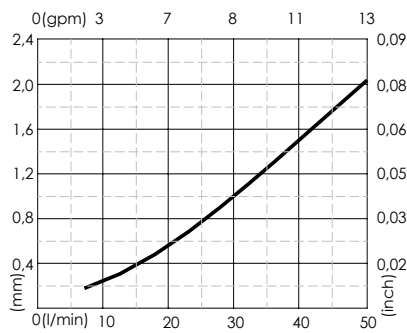
For other configurations/quick codes not available in this catalogue page please
consult factory

CURVES (S)

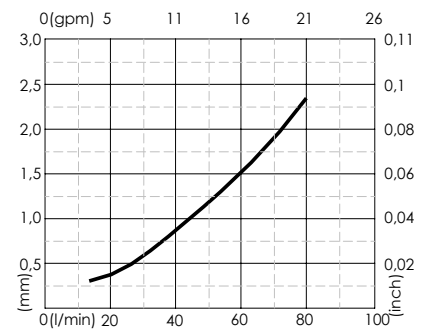
G1/4"



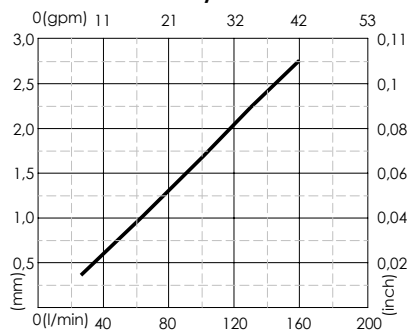
G3/8"



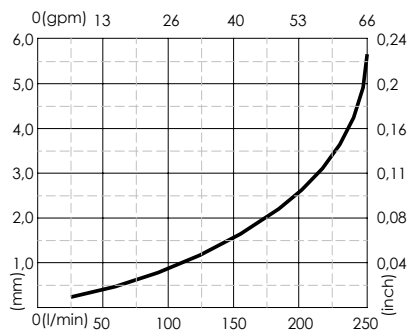
G1/2"



G3/4"



G1"



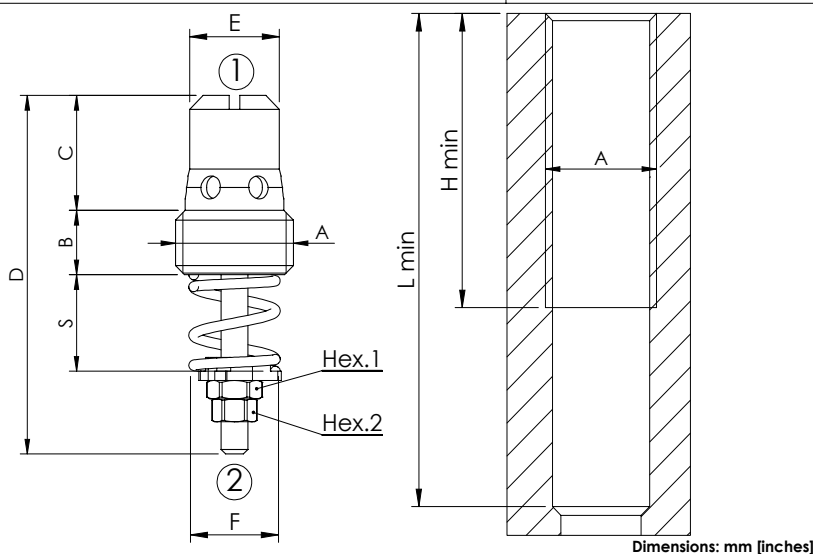
ORDERING CODES

| Quick code | Description | Max. flow | Min. flow | A | B | C | D | E | F | Hex. | H | Installation torque Nm [lb·lb] |
|------------|----------------------|--------------------|-------------------|--------|-------------|-------------|-------------|------------|-------------|------------|-----------|--------------------------------|
| 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] |

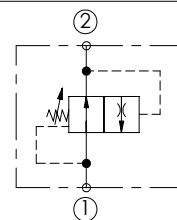
Revision A1

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_a: 150 - 1200 years: See technical spec.

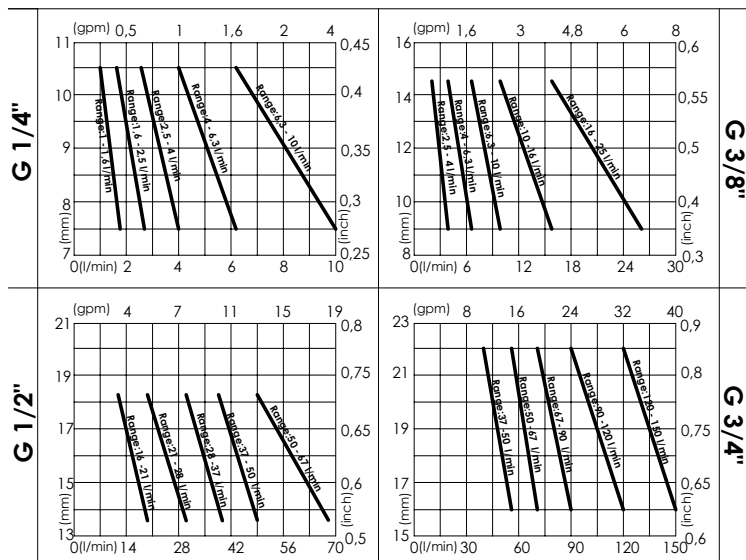
NOTES

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

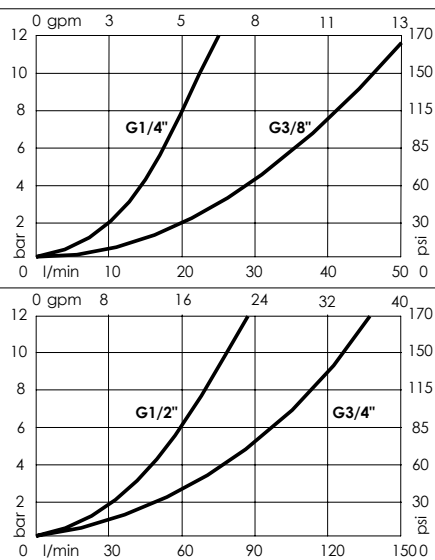
SPECIFICATIONS

| 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



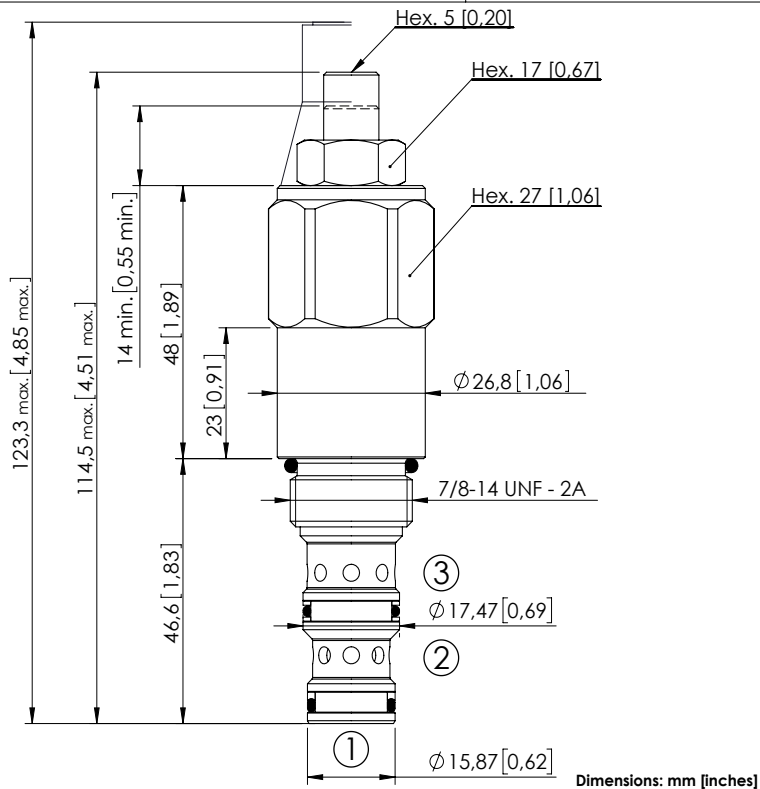
ORDERING CODES

| 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) |

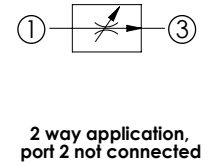
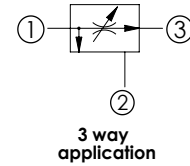
Revision B1

FLOW REGULATOR

CFCT-060-MHRR

3 WAYS COMBINATION
ADJUSTABLE SETTING

Dimensions: mm [inches]



SPECIFICATIONS

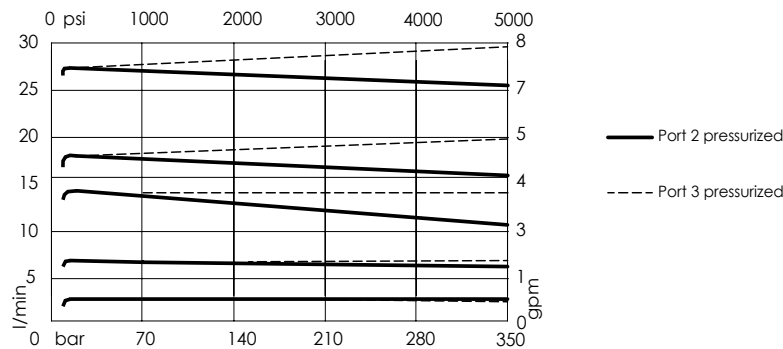
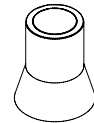
| | |
|----------------------------------|---------------------------------------|
| Max. operating pressure: | 350 bar (5000 psi) |
| Rated flow: | 60 l/min (16 gpm) |
| Cavity: | SAE-10-3N |
| Weight: | 0.28 kg (0,62 lbs) |
| Contamination class to ISO 4406: | See technical spec. |
| Seal kit: | RA700092 |
| Installation torque: | 55 - 62 Nm (41 - 46 ft-lb) |
| MTF _d : | 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

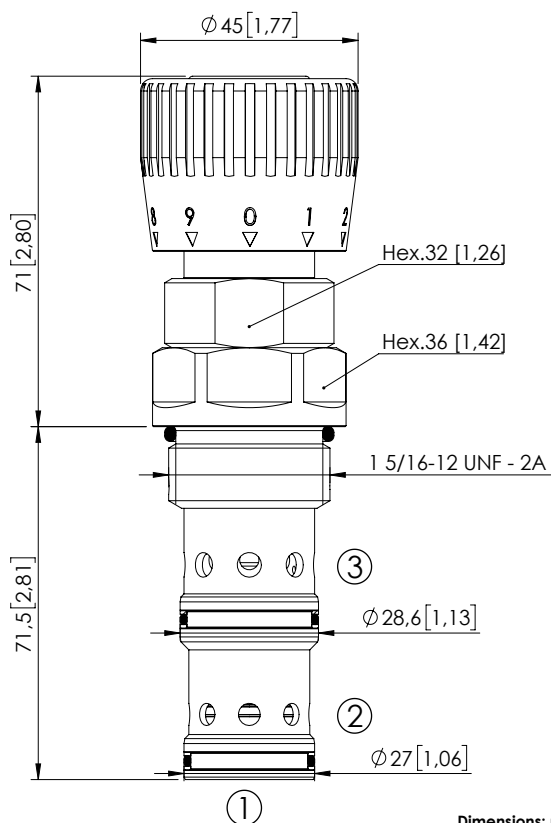
ORDERING CODES

| 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 |

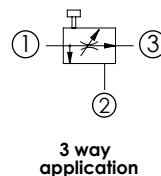
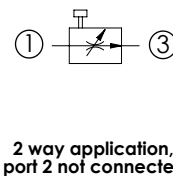
Revision C1

FLOW REGULATOR

CFPT-140-MMRR

3 WAYS FLOW REGULATOR
ADJUSTABLE SETTING

Dimensions: mm [inches]

3 way
application2 way application,
port 2 not connected

SPECIFICATIONS

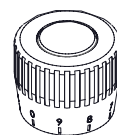
| | |
|----------------------------------|---------------------------------------|
| Max. operating pressure: | 350 bar (5000 psi) |
| Rated flow: | 140 l/min (37 gpm) |
| Cavity: | SAE-16-3N |
| Weight: | 0,7 kg (1,54 lbs) |
| Seal kit: | RB700094 |
| Installation torque: | 118 - 132 Nm (160 - 179 ft-lb)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

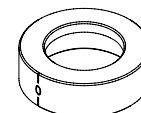
For other configurations/quick codes not available in this catalogue page please
consult factory

OPTIONS



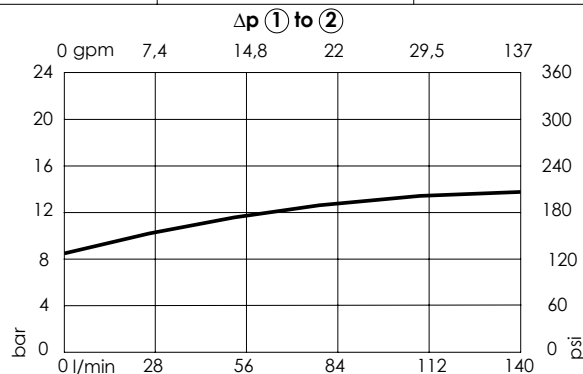
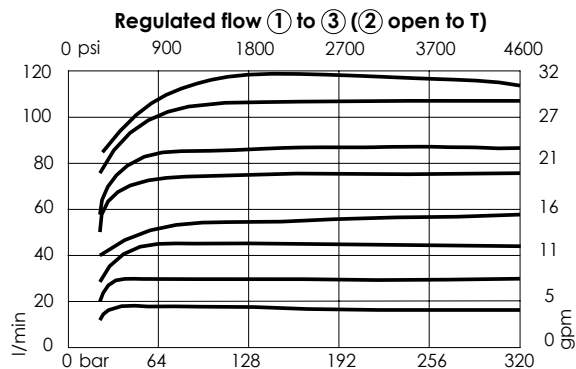
Graduated handknob
for flow regulation
under pressure

The washer is used
to indicate the zero.



Ordering code:
SV000083

CURVES



ORDERING CODES

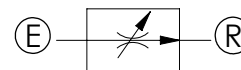
| Quick code | Description | Regulated flow range | Adjustment option |
|------------|----------------------------|------------------------|--------------------|
| CF000310 | CFPT-140-MMRR-15-S16-N350 | 0-15 l/min (0-4 gpm) | Graduated handknob |
| CF000311 | CFPT-140-MMRR-25-S16-N350 | 0-25 l/min (0-7 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

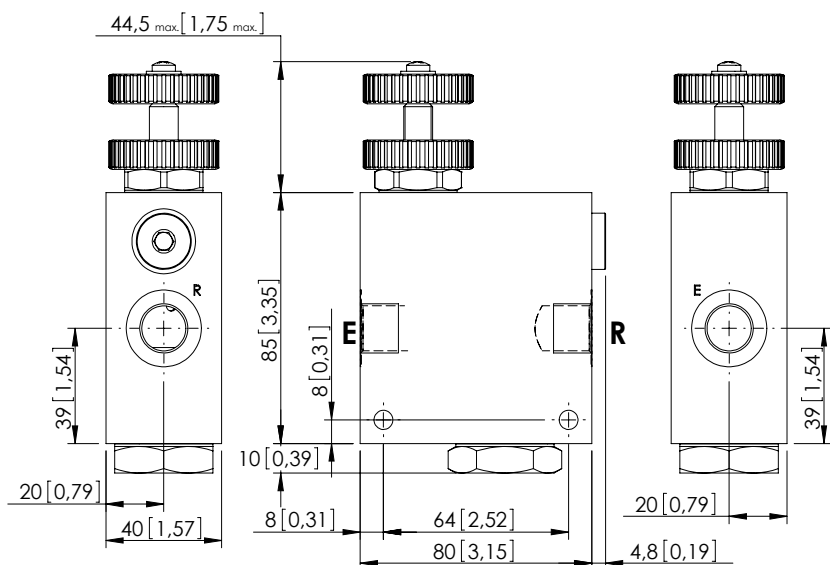
MFST-030-RVTR

2 WAYS COMPENSATED



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 _d : | 150 - 1200 years: See technical spec. |

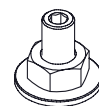


NOTES

Regulation: FINE

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

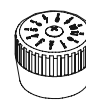
OPTIONS



Screw and locknut

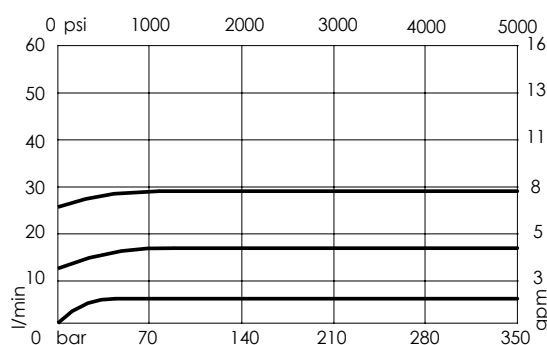


Handknob and locknut



Graduated handknob

CURVES



ORDERING CODES

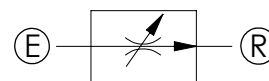
| Quick code | Description | Ports | Manifold | Max. pressure | Max. inlet flow | Max. regulated flow | Options |
|------------|---------------------------|-------------|-----------|--------------------|------------------|---------------------|----------------------|
| MF000241 | MFST-030-RVTR-30-G38-N210 | 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

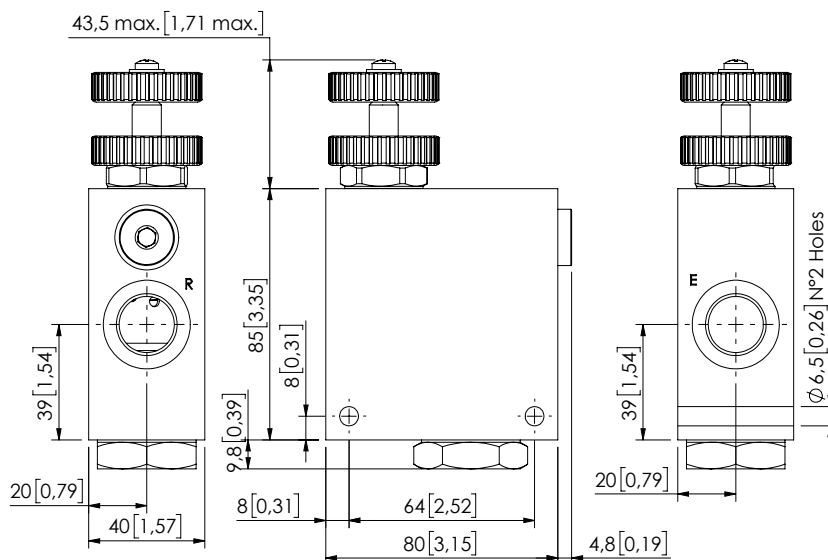
MFST-055-RVTR

2 WAYS COMPENSATED



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 _d : | 150 - 1200 years: See technical spec. |

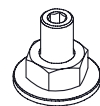


NOTES

Regulation: FINE

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

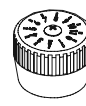
OPTIONS



Screw and locknut

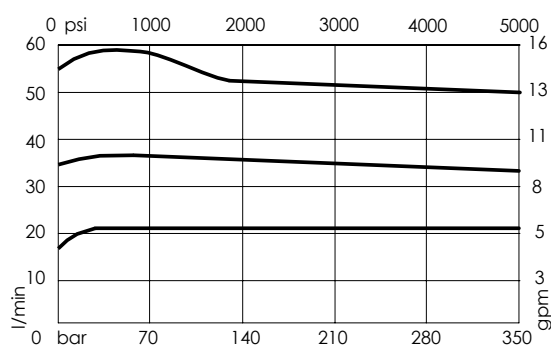


Handknob and locknut



Graduated handknob

CURVES



ORDERING CODES

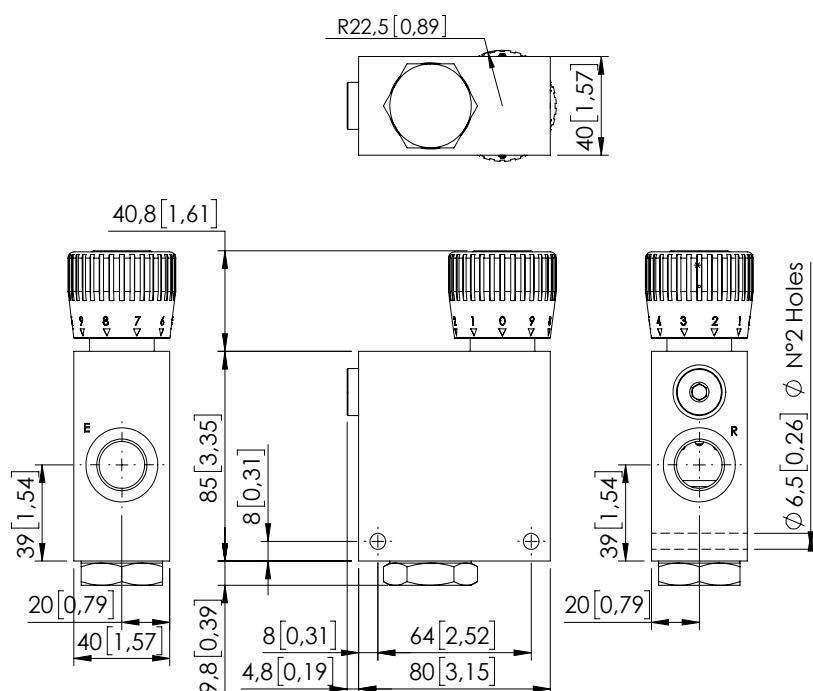
| Quick code | Description | Ports | Manifold | Max. pressure | Max. inlet flow | Max. regulated flow | Options |
|------------|---------------------------|-------------|-----------|--------------------|-------------------|---------------------|----------------------|
| MF000052 | MFST-055-RVTR-55-G12-N210 | 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

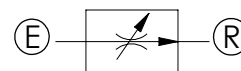
FLOW REGULATOR

MFST-090-RPZR

2 WAYS COMPENSATED



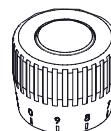
Dimensions: mm [inches]

**SPECIFICATIONS**

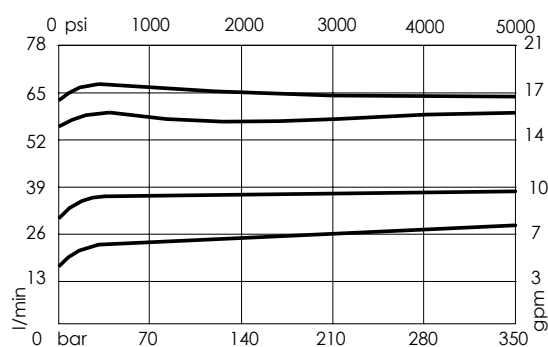
| | |
|----------------------------------|---------------------------------------|
| Max. operating pressure: | See table |
| Rated flow: | See table |
| Weight: | 1,09 kg (2,38 lbs) |
| Contamination class to ISO 4406: | See technical spec. |
| MTTF _d : | 150 - 1200 years: See technical spec. |

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**

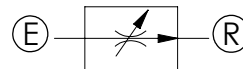
| Quick code | Description | Ports | Manifold | Max. pressure | Max. inlet flow | Regulated flow range | Options |
|------------|---------------------------|-------------|-----------|--------------------|-------------------|-----------------------|--------------------|
| MF000186 | MFST-090-RPZR-06-G12-N210 | 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

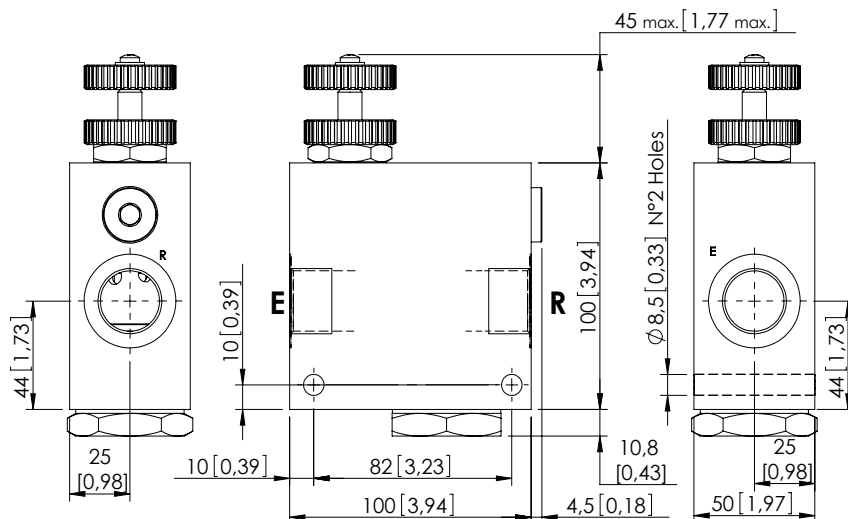
FLOW REGULATOR

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. |

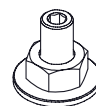


Dimensions: mm [inches]

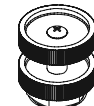
NOTES

Regulation: STANDARD

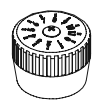
For other configurations/quick codes not available in this catalogue page please consult factory

OPTIONS

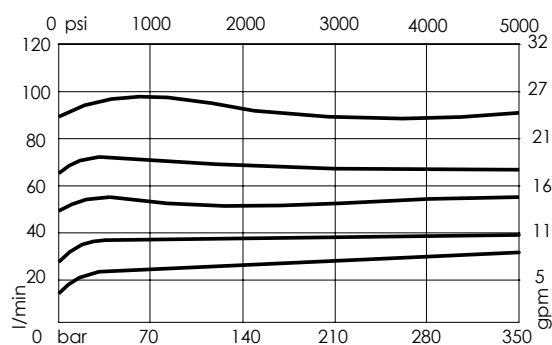
Screw and locknut



Handknob and locknut



Graduated handknob

CURVES**ORDERING CODES**

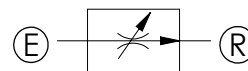
| Quick code | Description | Ports | Manifold | Max. pressure | Max. inlet flow | Max. regulated flow | Options |
|------------|---------------------------|-------------|-----------|--------------------|-------------------|---------------------|-----------------------|
| MF000042 | MFST-090-RVTR-90-G34-N210 | 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

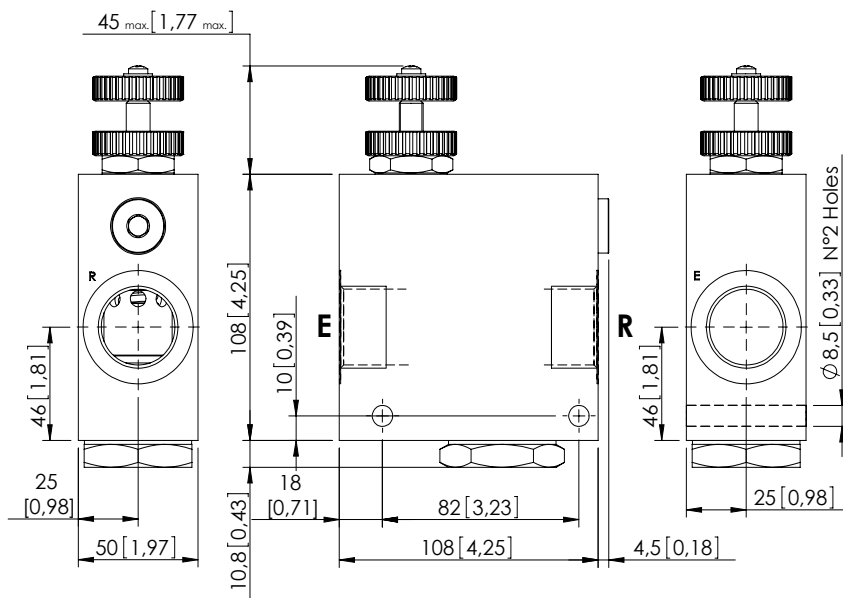
MFST-190-RVTR

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. |



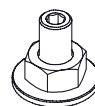
Dimensions: mm [inches]

NOTES

Regulation: STANDARD

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

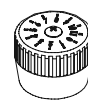
OPTIONS



Screw and locknut

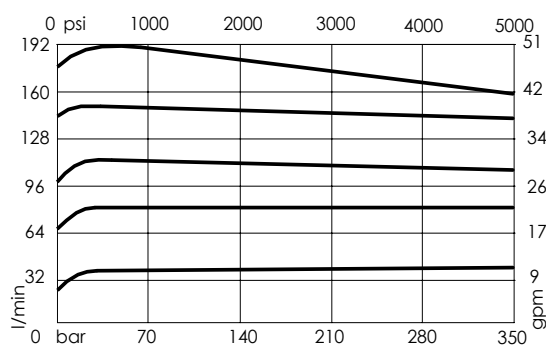


Handknob and locknut



Graduated handknob

CURVES

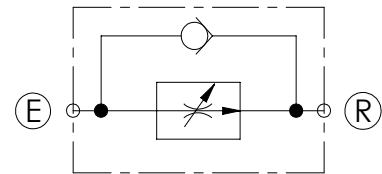
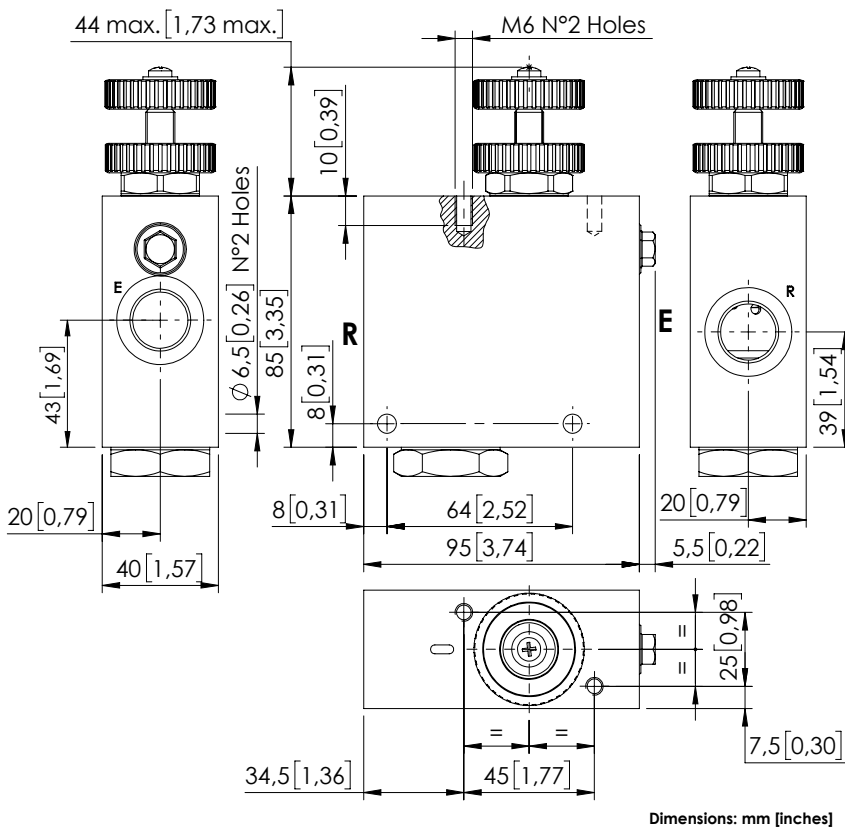


ORDERING CODES

| 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

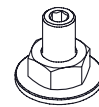
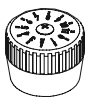
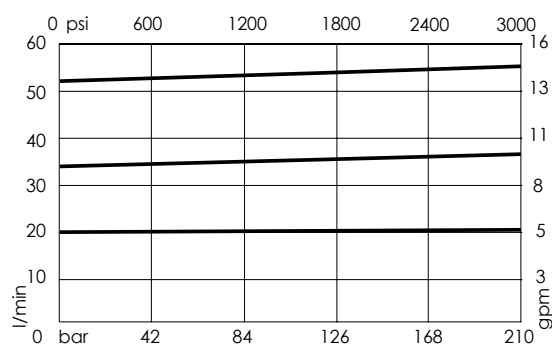
MFST-055-VVTR2 WAYS COMPENSATED
WITH CHECK VALVE**SPECIFICATIONS**

| | |
|----------------------------------|---------------------------------------|
| Max. operating pressure: | See table |
| Rated flow: | See table |
| Weight: | 1,07 kg (2,35 lbs) |
| Contamination class to ISO 4406: | See technical spec. |
| MTTFd: | 150 - 1200 years: See technical spec. |

NOTES

Regulating: FINE

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

OPTIONSScrew and
locknutHandknob
and locknutGraduated
handknob**CURVES****ORDERING CODES**

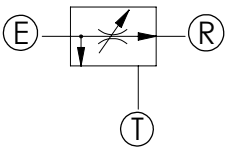
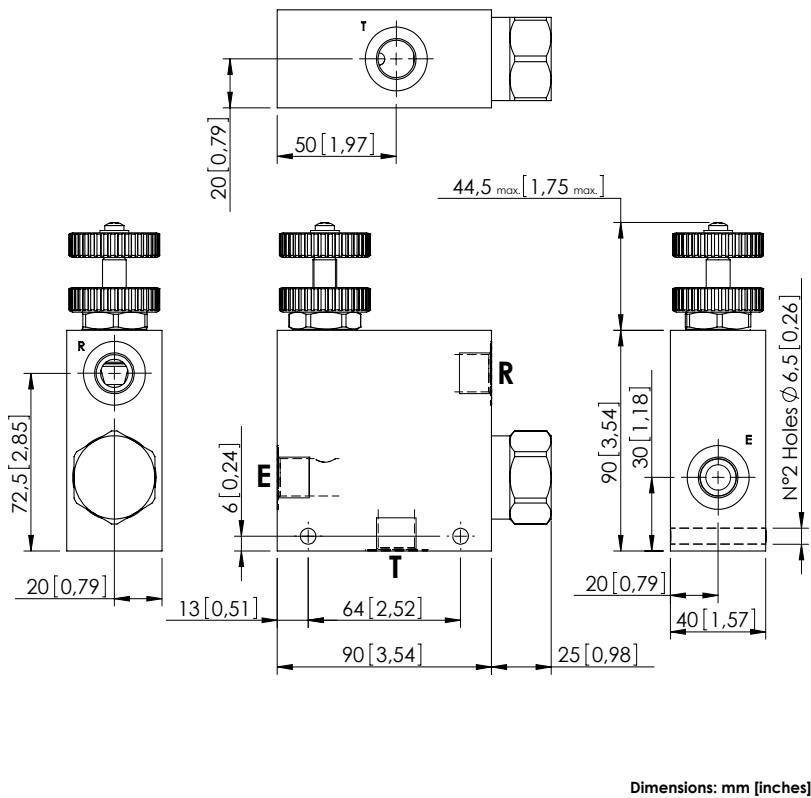
| Quick code | Description | Ports | Manifold | Max. pressure | Max. inlet flow | Max. regulated flow | Options |
|------------|---------------------------|-------------|-----------|--------------------|-------------------|---------------------|----------------------|
| MF000131 | MFST-055-VVTR-55-G12-N210 | 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 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Revision A1

FLOW REGULATOR

MFCT-055-RVTR

3 WAYS COMPENSATED



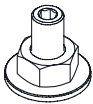
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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. |
| MTTF _d : | 150 - 1200 years: See technical spec. |

NOTES

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

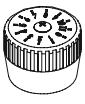
OPTIONS



Screw and locknut

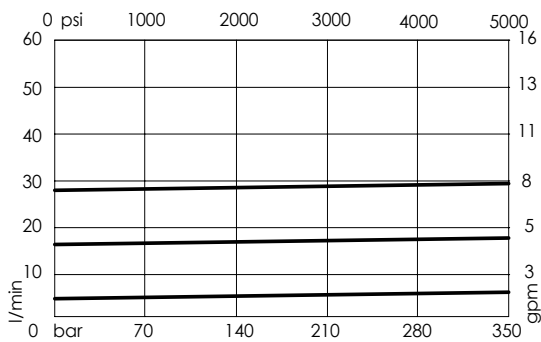


Handknob and locknut



Graduated handknob

CURVES



ORDERING CODES

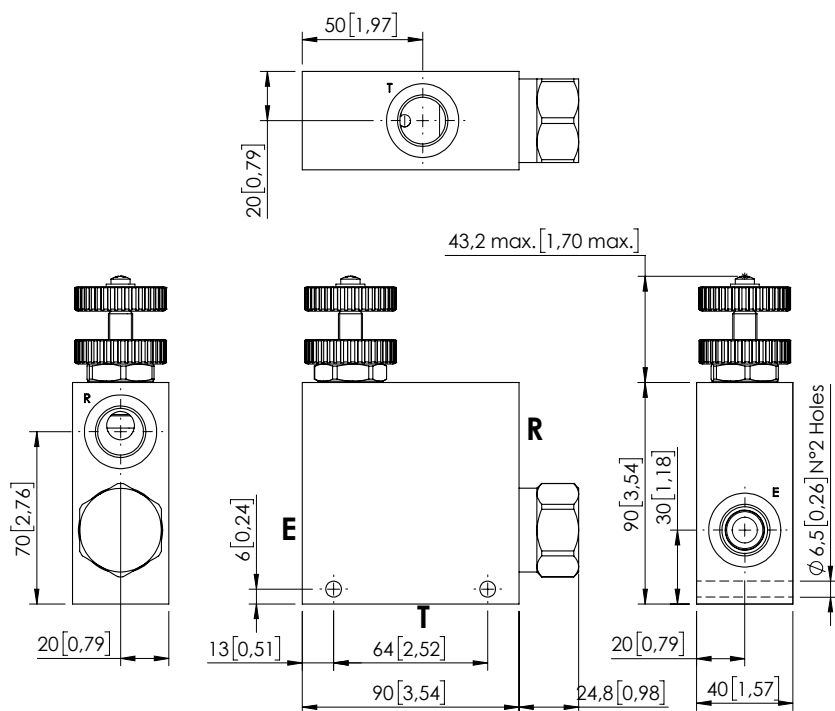
| Quick code | Description | Ports | Manifold | Max. pressure | Max. inlet flow | Max. regulated flow | Options |
|------------|---------------------------|-------------|-----------|--------------------|-------------------|---------------------|----------------------|
| MF000008 | MFCT-055-RVTR-30-G38-N210 | 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

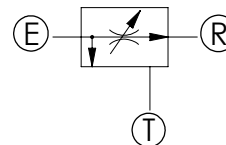
FLOW REGULATOR

MFCT-090-RVTR

3 WAYS COMPENSATED



Dimensions: mm [inches]



SPECIFICATIONS

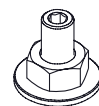
| | |
|----------------------------------|---------------------------------------|
| Max. operating pressure: | See table |
| Rated flow: | See table |
| Weight: | 1,11/2,5 kg (2,5/5,5 lbs) |
| Contamination class to ISO 4406: | See technical spec. |
| MTTF _d : | 150 - 1200 years: See technical spec. |

NOTES

Regulation: FINE

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

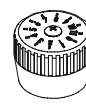
OPTIONS



Screw and locknut

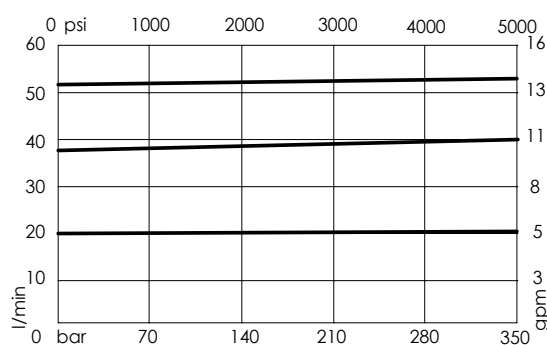


Handknob and locknut



Graduated handknob

CURVES



ORDERING CODES

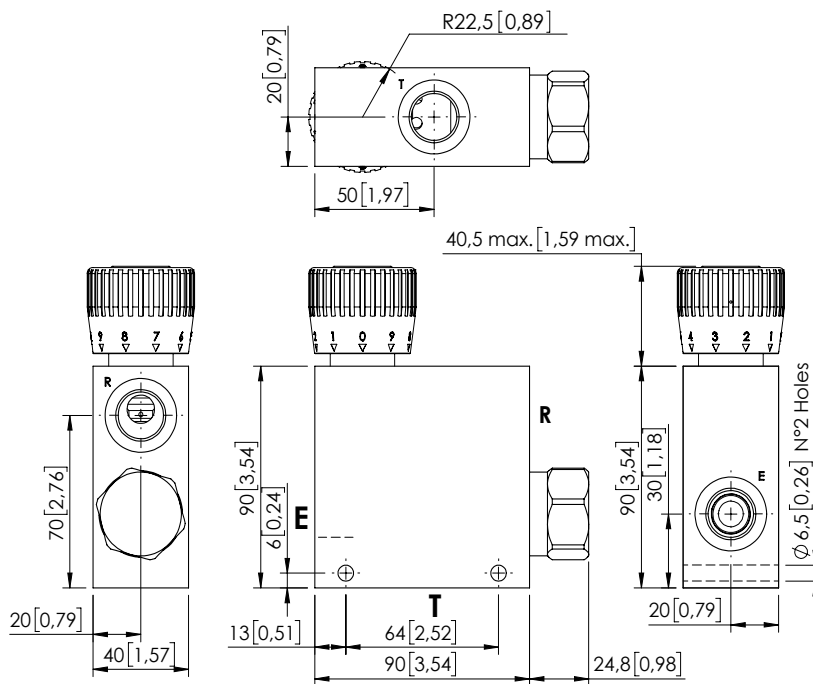
| Quick code | Description | Ports | Manifold | Max. pressure | Max. inlet flow | Max. regulated flow | Options |
|------------|---------------------------|-------------|-----------|--------------------|-------------------|---------------------|----------------------|
| MF000015 | MFCT-090-RVTR-55-G12-N210 | 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

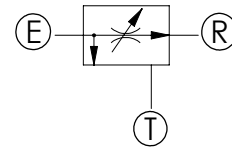
FLOW REGULATOR

MFCT-090-RPZR

3 WAYS COMPENSATED



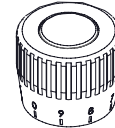
Dimensions: mm [inches]

**SPECIFICATIONS**

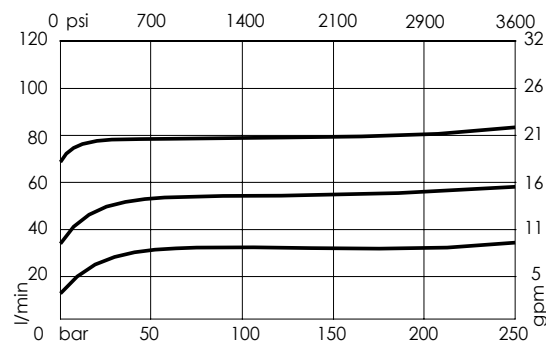
| | |
|----------------------------------|---------------------------------------|
| Max. operating pressure: | See table |
| Rated flow: | See table |
| Weight: | 1,25 kg (2,6 lbs) |
| Contamination class to ISO 4406: | See technical spec. |
| MTTF _d : | 150 - 1200 years: See technical spec. |

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**

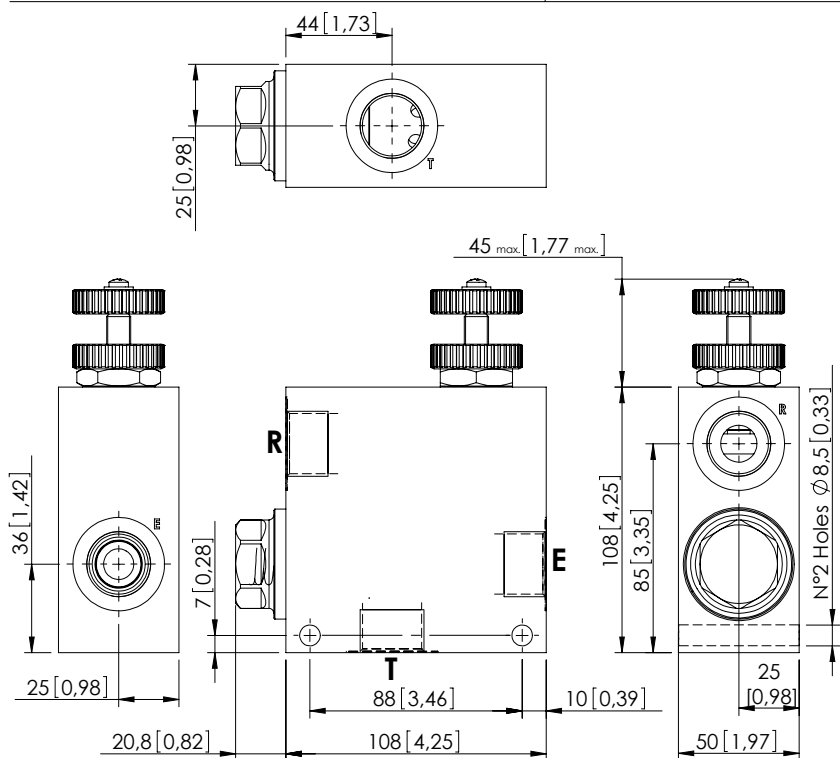
| Quick code | Description | Ports | Manifold | Max. pressure | Max. inlet flow | Regulated flow range | Options |
|------------|---------------------------|-------------|-----------|--------------------|-------------------|-----------------------|--------------------|
| MF000194 | MFCT-090-RPZR-06-G12-N210 | 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 (0-7 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

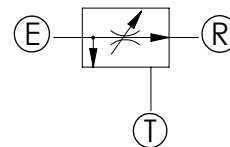
FLOW REGULATOR

MFCT-150-RVTR

3 WAYS COMPENSATED



Dimensions: mm [inches]



SPECIFICATIONS

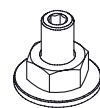
| | |
|----------------------------------|---------------------------------------|
| Max. operating pressure: | See table |
| Rated flow: | See table |
| Weight: | 1,8/4,2 kg (4/9,2 lbs) |
| Contamination class to ISO 4406: | See technical spec. |
| MTTF _d : | 150 - 1200 years: See technical spec. |

NOTES

Regulation: STANDARD

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

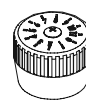
OPTIONS



Screw and locknut

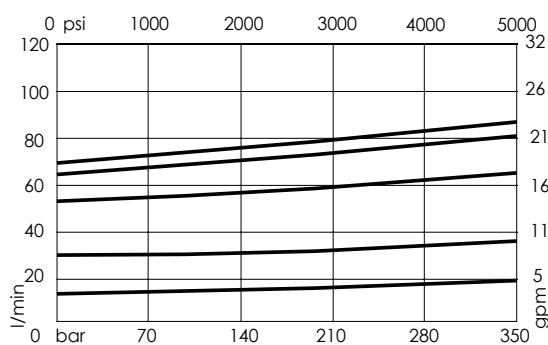


Handknob and locknut



Graduated handknob

CURVES



ORDERING CODES

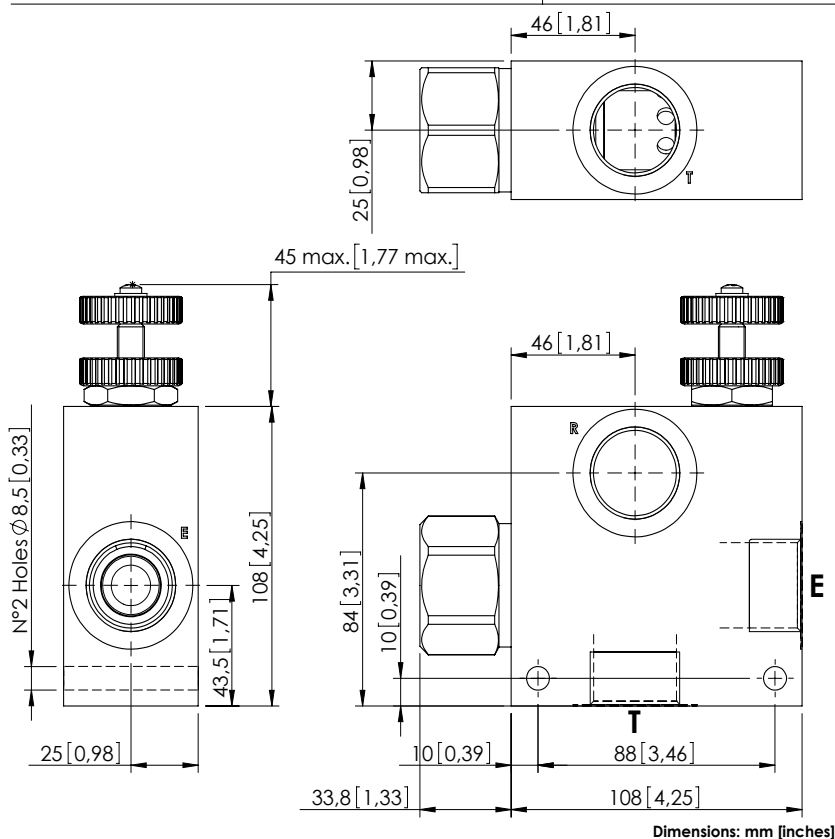
| Quick code | Description | Ports | Manifold | Max. pressure | Max. inlet flow | Max. regulated flow | Options |
|------------|---------------------------|-------------|-----------|--------------------|--------------------|---------------------|----------------------|
| MF000031 | MFCT-150-RVTR-90-G34-N210 | 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

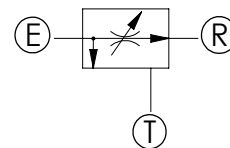
FLOW REGULATOR

MFCT-280-RVTR

3 WAYS COMPENSATED



Dimensions: mm [inches]

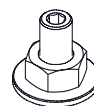
**SPECIFICATIONS**

| | |
|----------------------------------|---------------------------------------|
| 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. |
| MTTF _d : | 150 - 1200 years: See technical spec. |

NOTES

Regulating: STANDARD

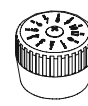
For other configurations/quick codes not available in this catalogue page please consult factory

OPTIONS

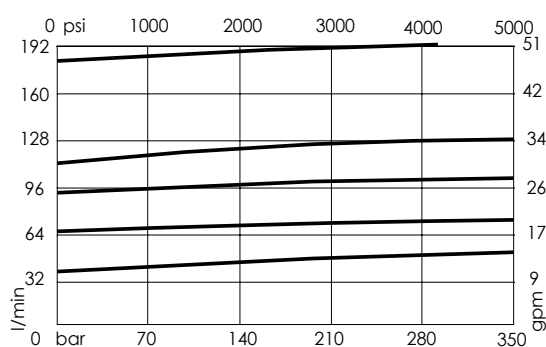
Screw and locknut



Handknob and locknut



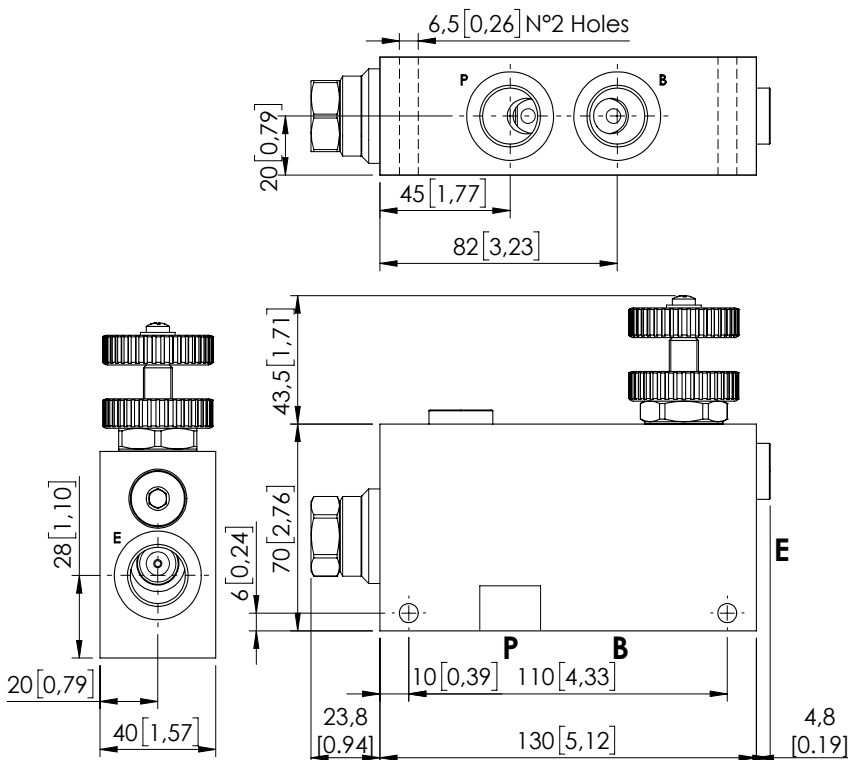
Graduated handknob

CURVES**ORDERING CODES**

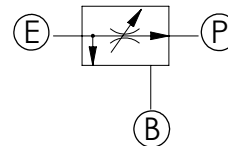
| Quick code | Description | Ports | Manifold | Max. pressure | Max. inlet flow | Max. regulated flow | Options |
|------------|---------------------------|-----------|-----------|--------------------|--------------------|---------------------|----------------------|
| MF000035 | MFCT-280-RVTR-19-G10-N210 | 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-RVTRPRESSURE COMPENSATED
PRIORITY FLOW REGULATOR

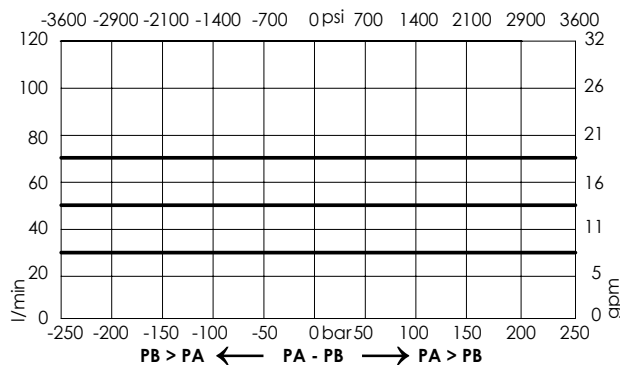
Dimensions: mm [inches]

**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 _d : | 150 - 1200 years: See technical spec. |

NOTES

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

OPTIONSHandknob
and locknut**CURVES****ORDERING CODES**

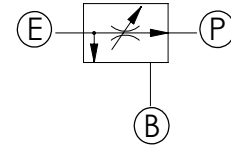
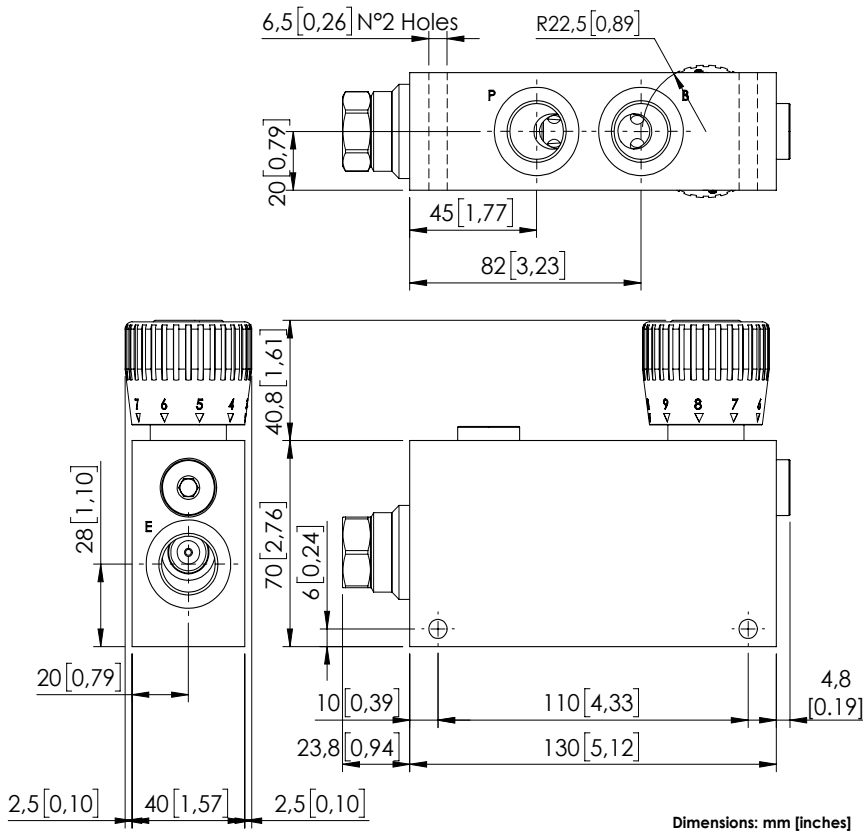
| Quick code | Description | Ports | Manifold | Max. pressure | Max. inlet flow | Max. regulated flow | Options |
|------------|----------------------------|---------------|-----------|--------------------|-------------------|---------------------|----------------------|
| MF000121 | MFPT-090-RVTR-70-G12-N210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

Revision A1

FLOW REGULATOR

MFPT-090-RPZR

PRESSURE COMPENSATED
PRIORITY FLOW REGULATOR



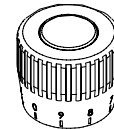
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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 _d : | 150 - 1200 years: See technical spec. |

NOTES

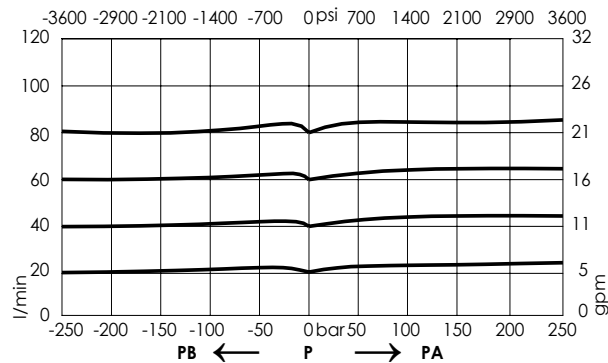
For other configurations/quick codes not available in this catalogue page please consult factory

OPTIONS



Graduated handknob
for flow regulation
under pressure

CURVES

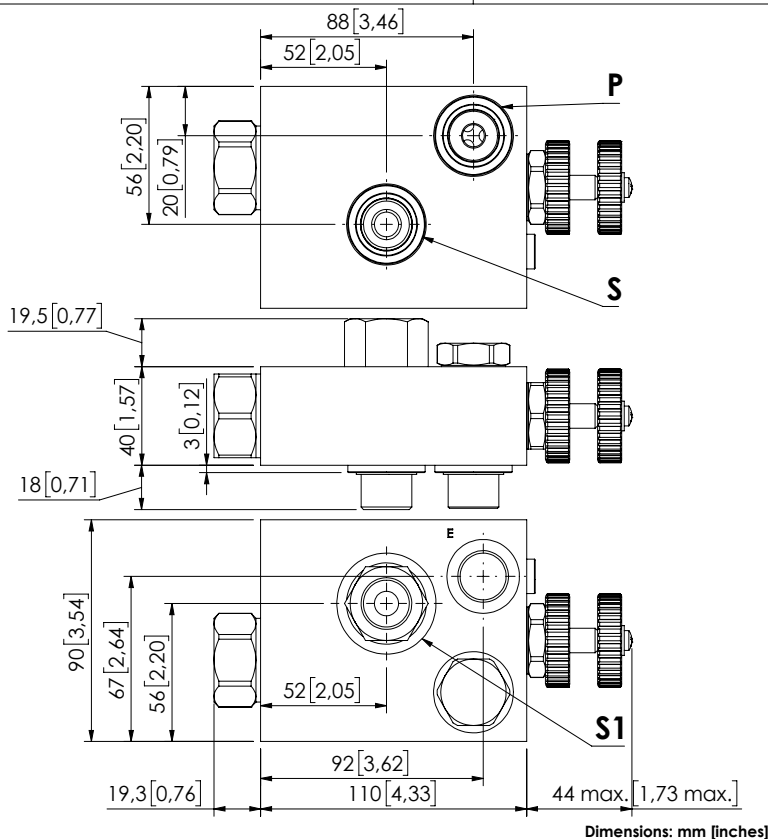


ORDERING CODES

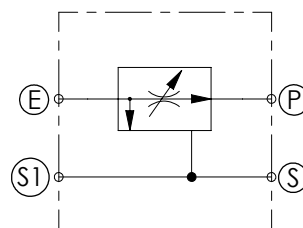
| Quick code | Description | Ports | Manifold | Max. pressure | Max. inlet flow | Regulated flow range | Options |
|------------|---------------------------|---------------|-----------|--------------------|-------------------|-----------------------|--------------------|
| MF000211 | MFPT-090-RPZR-12-G12-N210 | 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**

Dimensions: mm [inches]

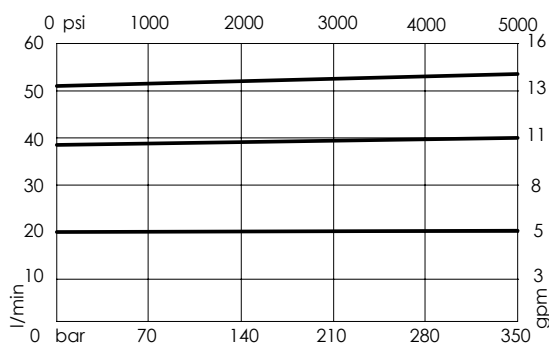
**SPECIFICATIONS**

| | |
|----------------------------------|---------------------------------------|
| 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**

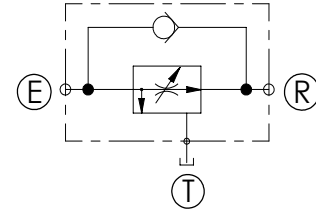
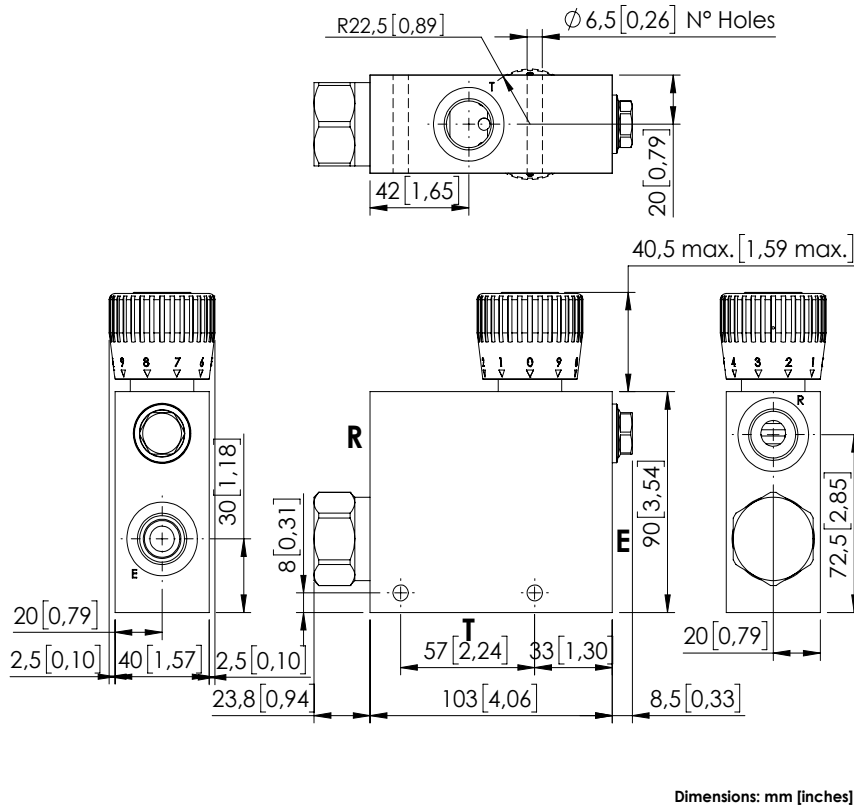
| Quick code | Description | Ports | Manifold | Max. pressure | Max. inlet flow | Max. regulated flow | Options |
|------------|---------------------------|------------------|-----------|--------------------|-------------------|---------------------|----------------------|
| MF000373 | MFCT-090-RVTN-55-G12-N210 | 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 |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |

Revision C1

FLOW REGULATOR

MFCT-090-VPZR

3 WAYS COMPENSATED
WITH CHECK VALVE



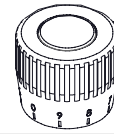
SPECIFICATIONS

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

NOTES

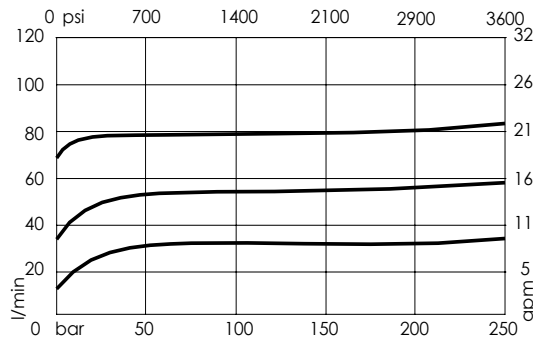
For other configurations/quick codes not available in this catalogue page please consult factory

OPTIONS



Graduated handknob
for flow regulation
under pressure

CURVES



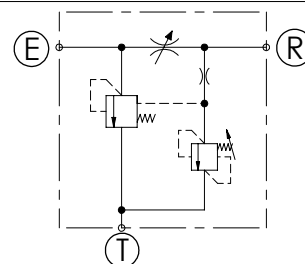
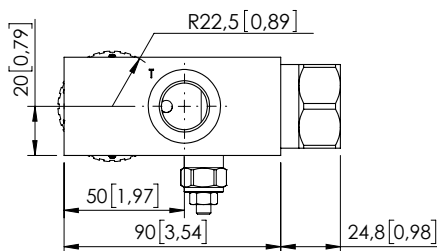
ORDERING CODES

| Quick code | Description | Ports | Manifold | Max. pressure | Max. inlet flow | Regulated flow range | Options |
|------------|---------------------------|---------------|-----------|--------------------|-------------------|-----------------------|--------------------|
| 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

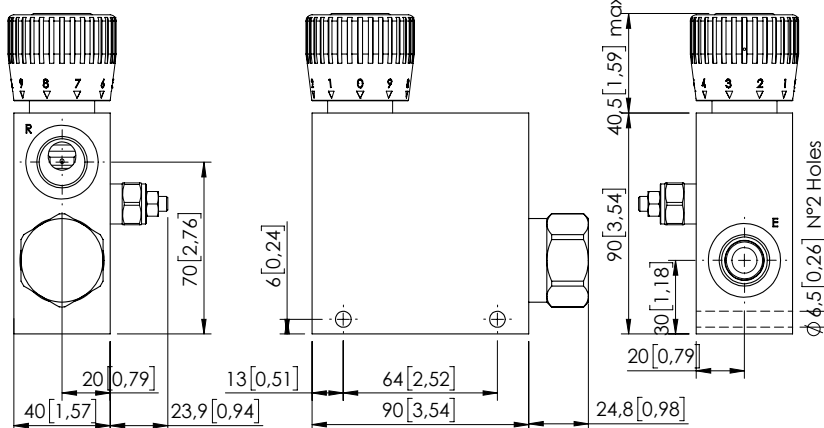
MFCT-090-LPZR

3 WAYS COMPENSATED
WITH RELIEF VALVE

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 _d : | 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) |

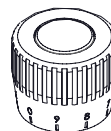


Dimensions: mm [inches]

NOTES

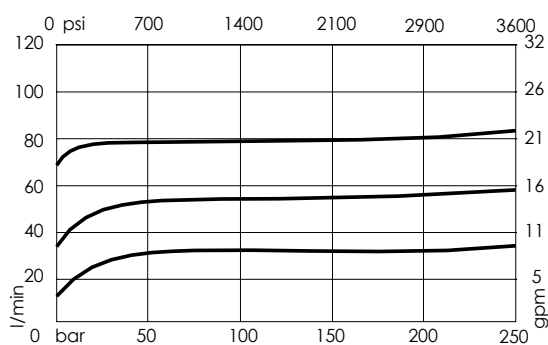
For other configurations/quick codes not available in this catalogue page please consult factory

OPTIONS



Graduated handknob
for flow regulation
under pressure

CURVES



ORDERING CODES

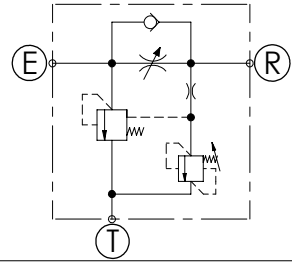
| Quick code | Description | Ports | Manifold | Max. pressure | Max. inlet flow | Max. regulated flow | Options |
|------------|---------------------------|---------------|-----------|--------------------|-------------------|-----------------------|--------------------|
| MF000218 | MFCT-090-LPZR-06-G12-N210 | 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



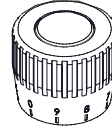
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| Max. operating pressure: | See table |
| Rated flow: | See table |
| Weight: | 1,44 kg (3 lbs) |
| Contamination class to ISO 4406: | See technical spec. |
| MTF _d : | 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) |

OPTIONS

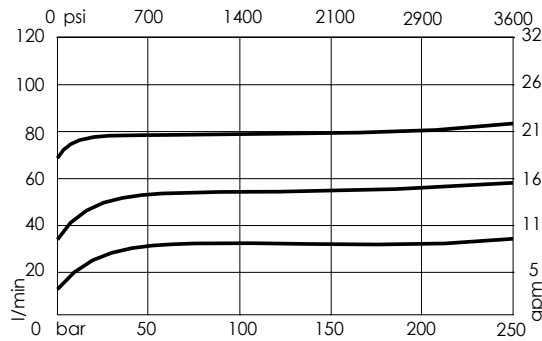


Graduated handknob
for flow regulation
under pressure

NOTES

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

CURVES



ORDERING CODES

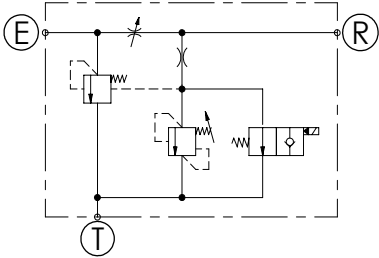
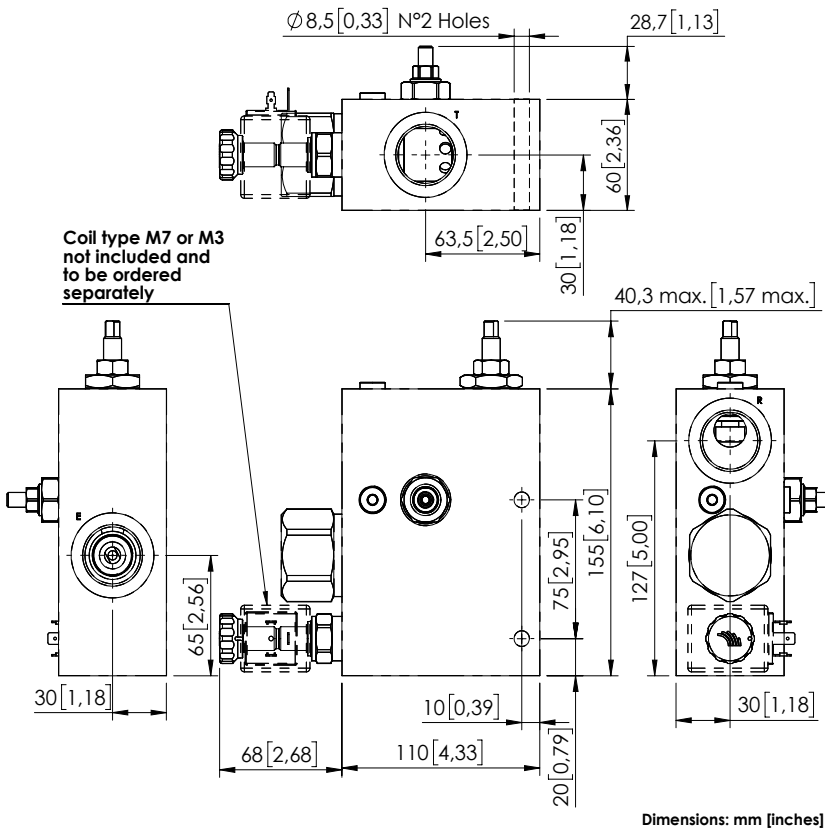
| Quick code | Description | Ports | Manifold | Max. pressure | Max. inlet flow | Regulated flow range | Options |
|------------|---------------------------|---------------|-----------|--------------------|-------------------|-----------------------|--------------------|
| MF000226 | MFCT-090-TPZR-06-G12-N210 | 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-280-MVTR

3 WAYS COMPENSATED
WITH RELIEF VALVE AND
ELECTRIC UNLOADING



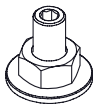
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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

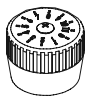
OPTIONS



Screw and locknut

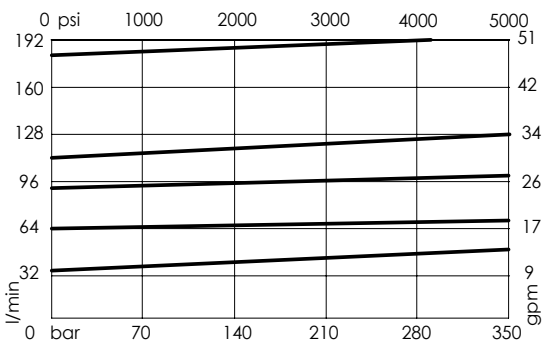


Handknob and locknut



Graduated handknob

CURVES

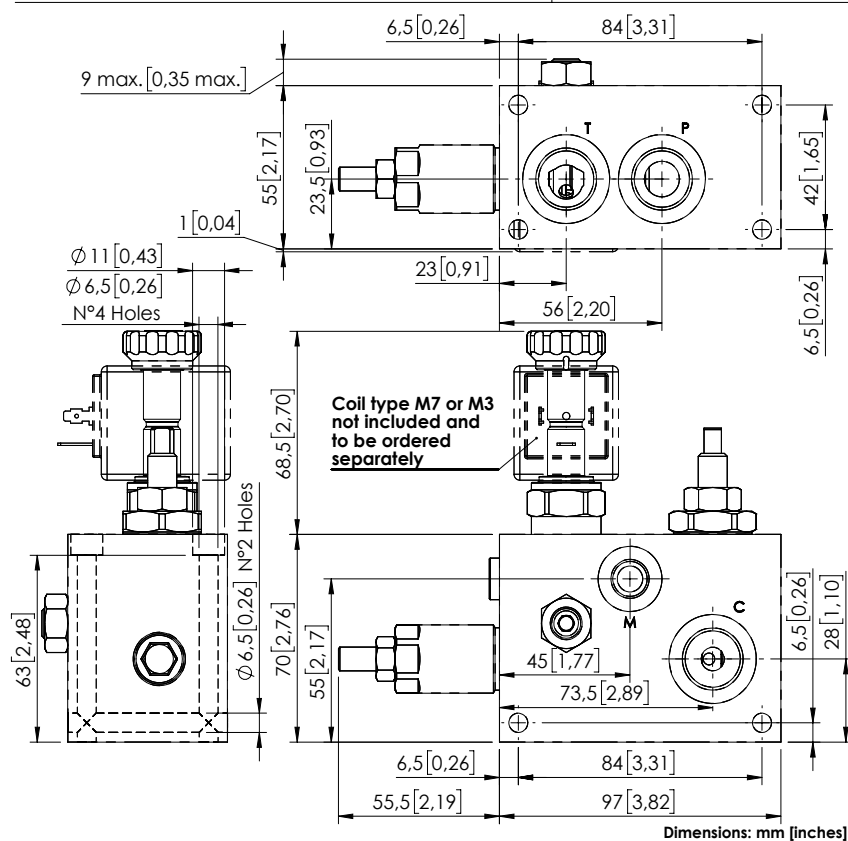


ORDERING CODES

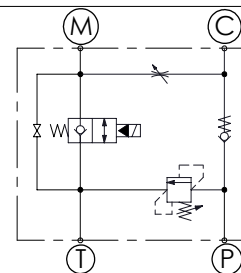
| Quick code | Description | Ports | Standard setting Q=5 l/min (1,3 gpm) | Adjustment range | Pressure increase | Options |
|------------|---------------------------|-------------|---|-----------------------------|------------------------------|-------------------|
| MF000143 | MFCT-280-MVTR-19-G10-N250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

BPND-025-LLET

SOLENOID OPERATED VALVES
STANDARD INTEGRATED CIRCUITS

Dimensions: mm [inches]



SPECIFICATIONS

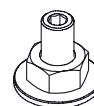
| | |
|----------------------------------|---------------------------------------|
| Max. operating pressure: | 250 bar (5000 psi) |
| Rated flow: | 25 l/min (7 gpm) |
| Manifold: | Aluminium |
| Weight: | 1,3 kg (2,9 lbs) |
| Coil type: | M7 or M3 type |
| Contamination class to ISO 4406: | See technical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

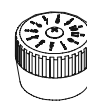
OPTIONS



Screw and locknut

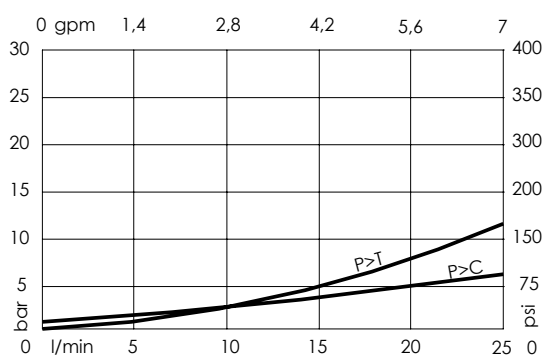


Handknob and locknut



Graduated handknob

CURVES



ORDERING CODES

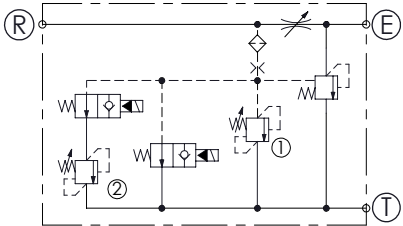
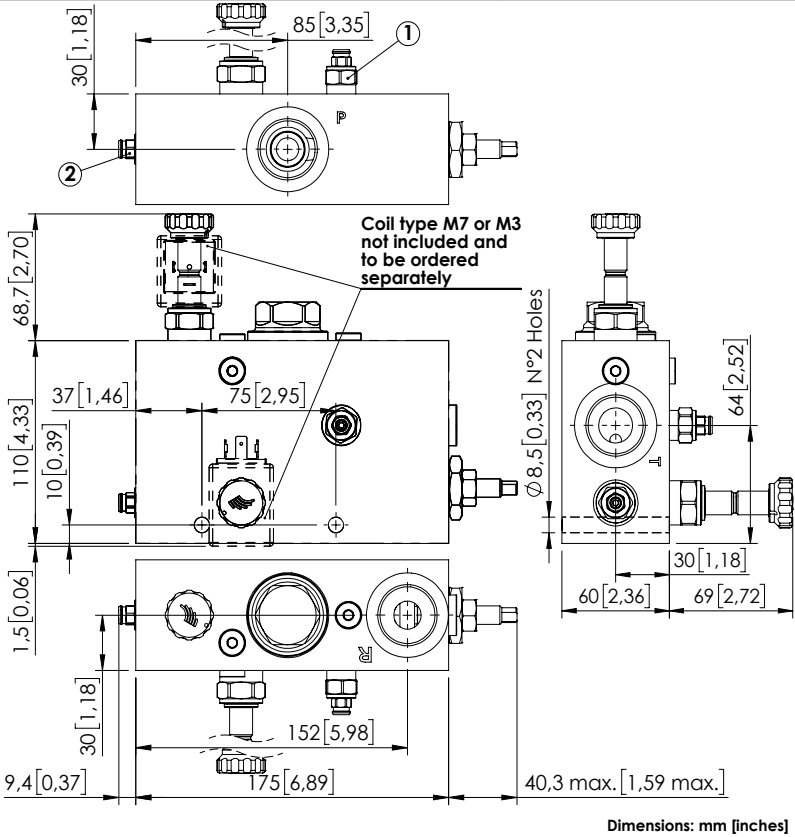
| Quick code | Description | Ports | Standard setting Q=5 l/min (1,3 gpm) | Adjustment range | Pressure increase | Options |
|------------|---------------------------|----------------------------|---|------------------------------|-------------------------------|-------------------|
| BP000081 | BPND-025-LLET-NP-G12-N250 | 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 |
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Revision B1

FLOW REGULATOR

MFCT-150-LHTR

3 WAYS COMPENSATED
WITH RELIEF VALVE



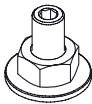
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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. |
| MTF _d : | 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

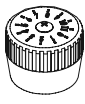
OPTIONS



Screw and locknut

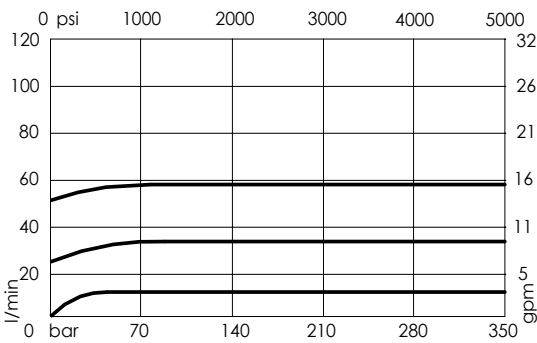


Handknob and locknut



Graduated handknob

CURVES




ORDERING CODES

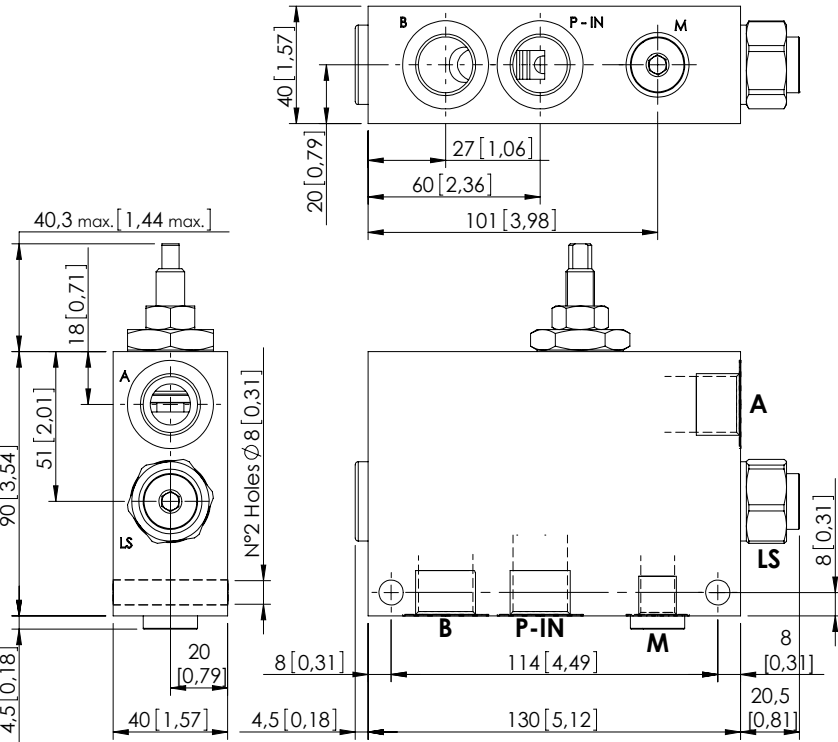
| Quick code | Description | Ports | Standard setting Q=5 l/min (1,3 gpm) | Adjustment range | Pressure increase | Options |
|------------|---------------------------|-------------|--|-----------------------------|-----------------------------|-------------------|
| MF000344 | MFCT-150-LHTR-90-G10-N210 | 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 |
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FLOW REGULATOR

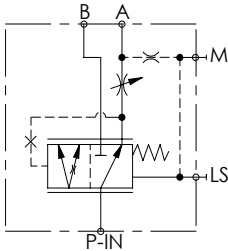
MFPT-100-RHAR

PRESSURE COMPENSATED
PRIORITY FLOW REGULATOR





Dimensions: mm [inches]



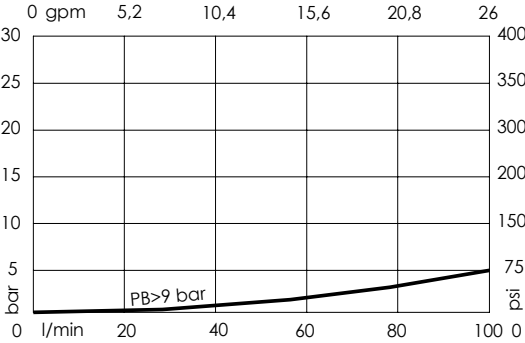
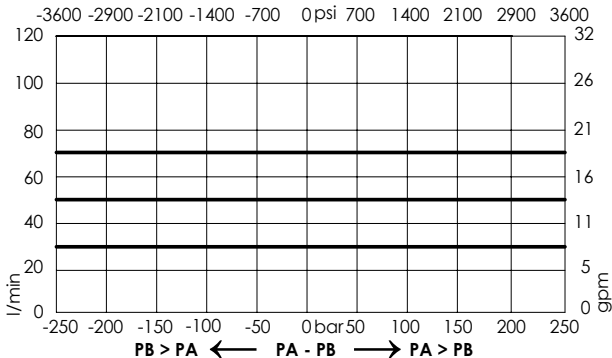
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| Max. operating pressure: | See table |
| Rated flow: | See table |
| Weight: | 3,38 kg (7,5 lbs) |
| Contamination class to ISO 4406: | See technical spec. |
| MTTFd: | 150 - 1200 years: See technical spec. |

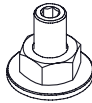
NOTES

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, 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


CURVES




OPTIONS



Screw and locknut



Handknob and locknut



Graduated handknob

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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Revision A1

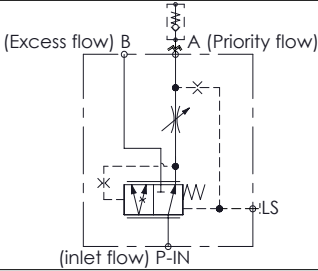
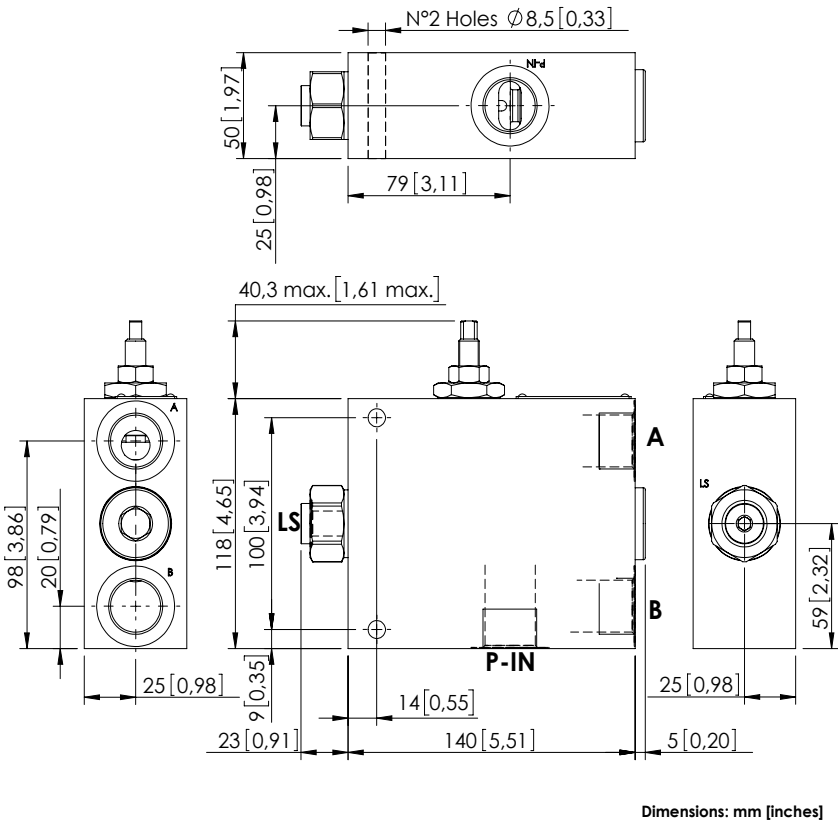
13.19.330

Rev. 01/24

FLOW REGULATOR

MFPT-200-RHAR

PRESSURE COMPENSATED
PRIORITY



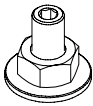
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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 _d : | 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

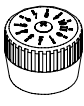
OPTIONS



Screw and locknut

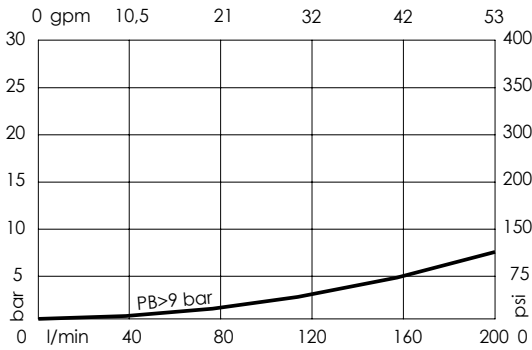
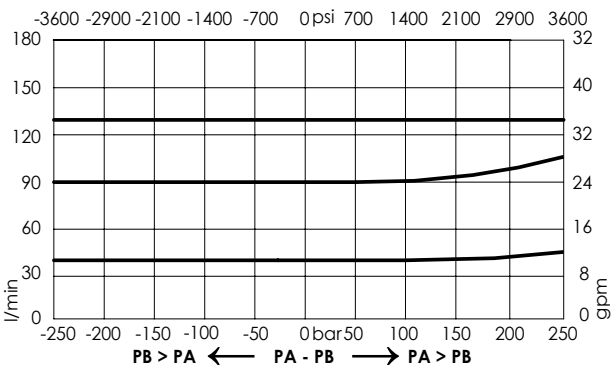


Handknob and locknut



Graduated handknob

CURVES



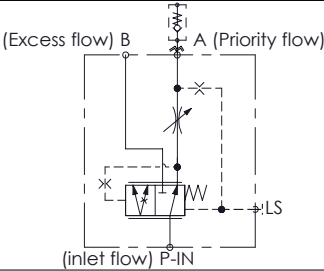
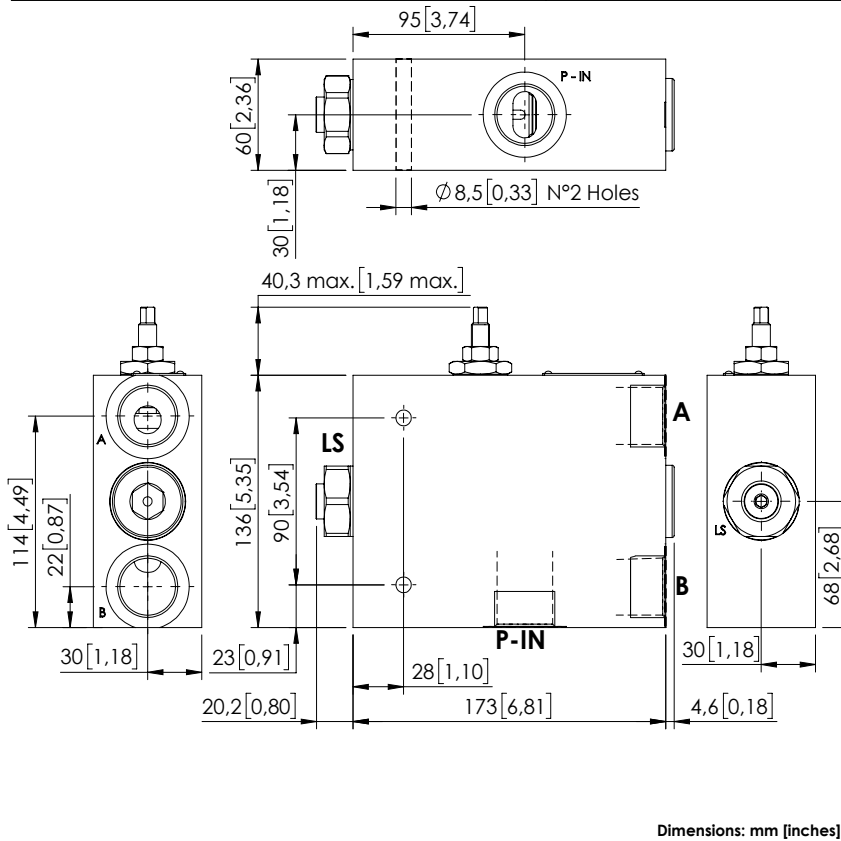
ORDERING CODES

| 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 |
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FLOW REGULATOR

MFPT-300-RHAR

PRESSURE COMPENSATED
PRIORITY



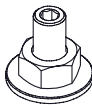
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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. |
| MTTFd: | 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

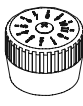
OPTIONS



Screw and locknut

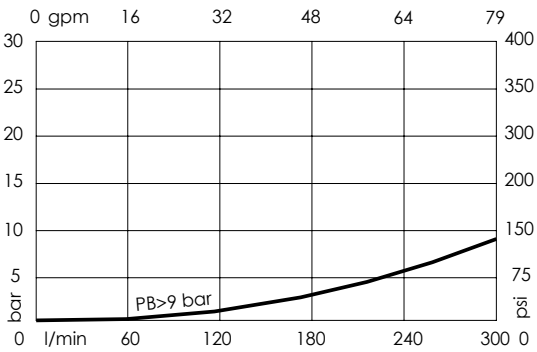
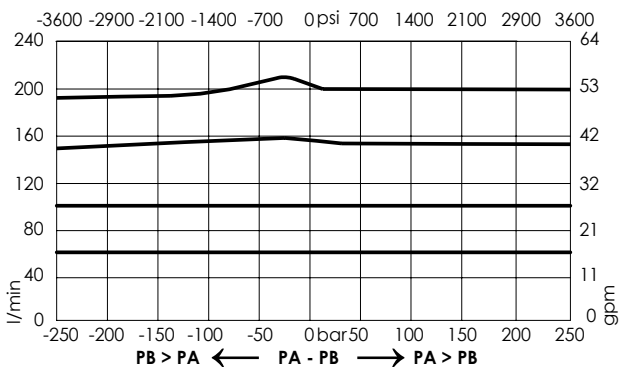


Handknob and locknut



Graduated handknob

CURVES



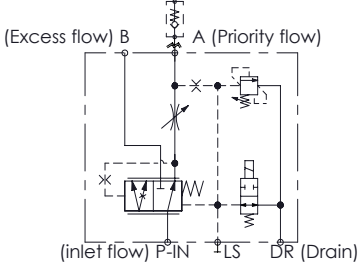
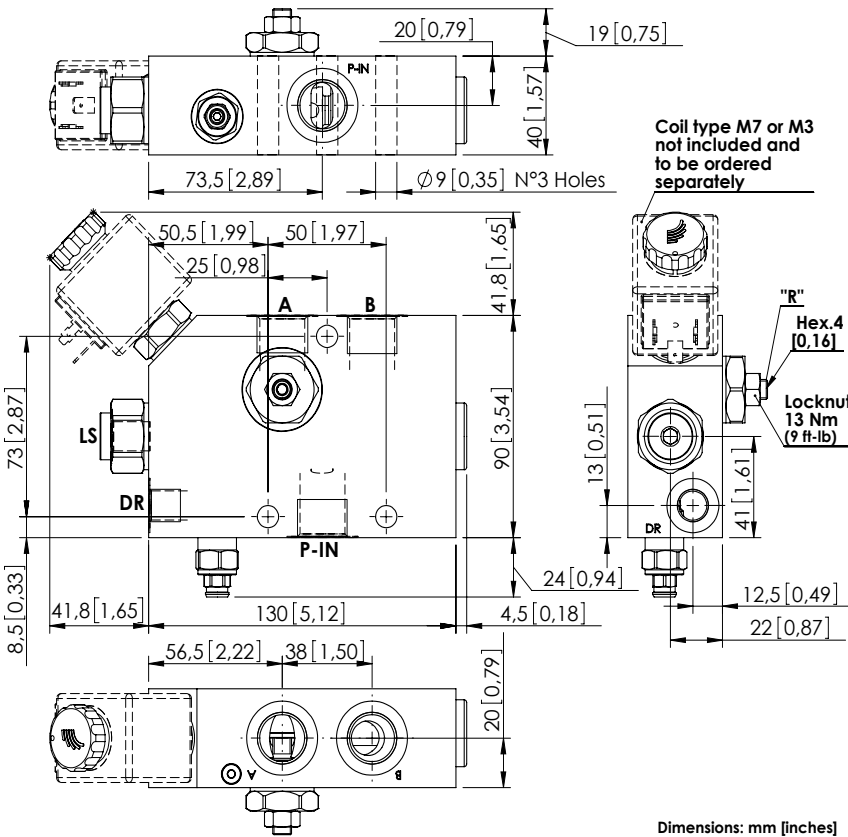
ORDERING CODES

| 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 |
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FLOW REGULATOR

MFPT-100-MHAR

PRESSURE COMPENSATED
PRIORITY
FLOW REGULATOR FOR
AUXILIARY CIRCUITS



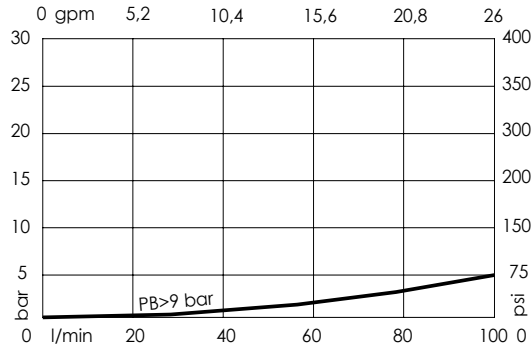
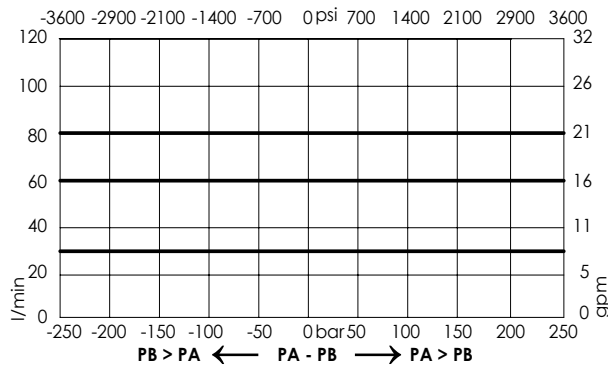
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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 _d : | 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

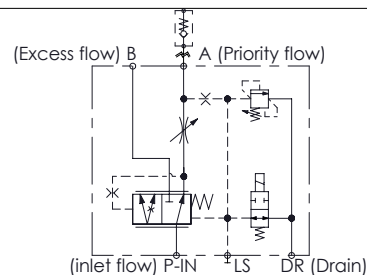
CURVES



ORDERING CODES

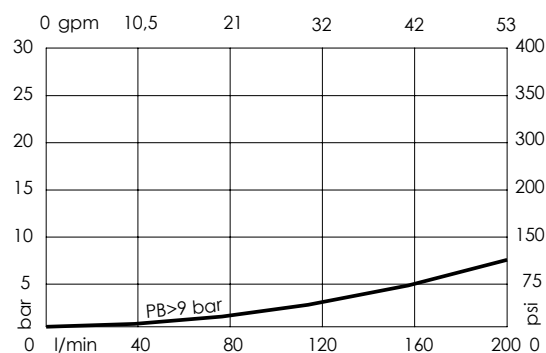
| Quick code | Description | Ports | Standard setting Q=5 l/min (1,3 gpm) | Adjustment range | Pressure increase |
|------------|---------------------------|-----------------------------------|---|--------------------------------|------------------------------|
| MF000053 | MFPT-100-MHAR-85-G12-V210 | 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) |
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PRESSURE COMPENSATED PRIORITY FLOW REGULATOR FOR AUXILIARY CIRCUITS



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|--|--|
| 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. | |
| MTTF_d: | 150 - 1200 years: See technical spec. |

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.

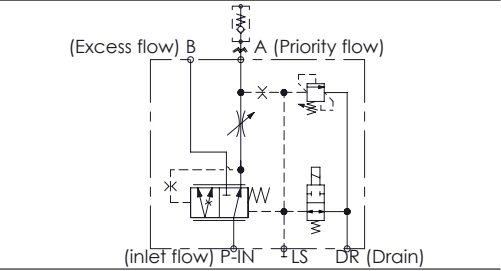
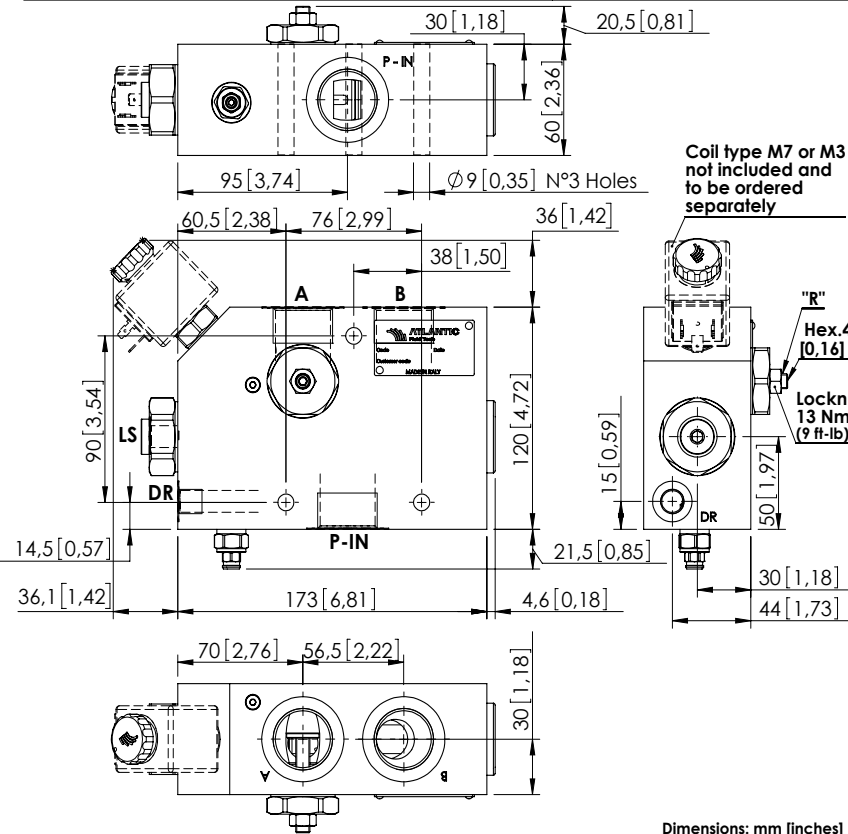


| Quick code | Description | Ports | Standard setting Q=5 l/min (1.3 gpm) | Adjustment range | Pressure increase |
|------------|---------------------------|---|---|---------------------------------------|-------------------------------------|
| MF000055 | MFPT-200-MHAR-14-G34-V210 | P-IN,A,B: G 3/4" 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) |
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FLOW REGULATOR

MFPT-300-MHAR

PRESSURE COMPENSATED
PRIORITY
FLOW REGULATOR FOR
AUXILIARY CIRCUITS



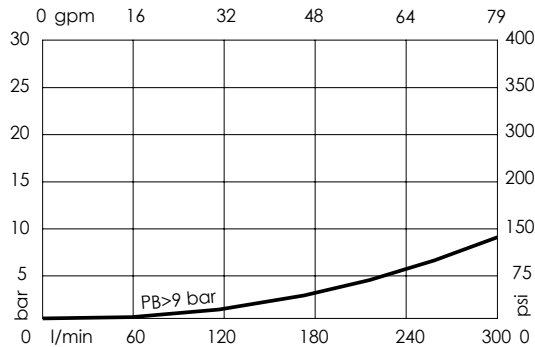
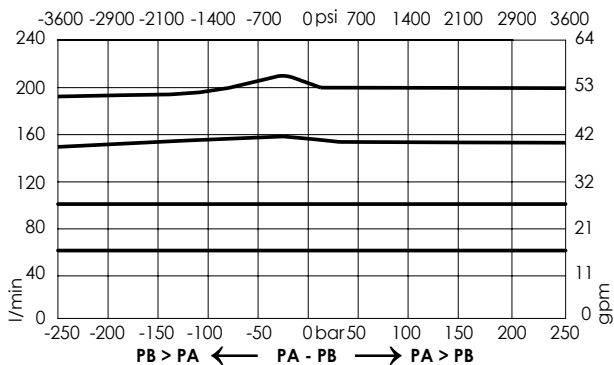
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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. |
| 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



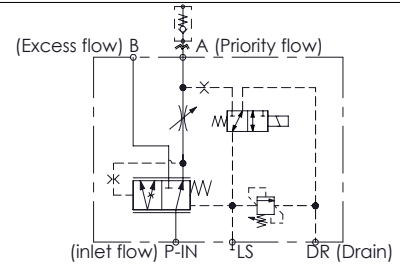
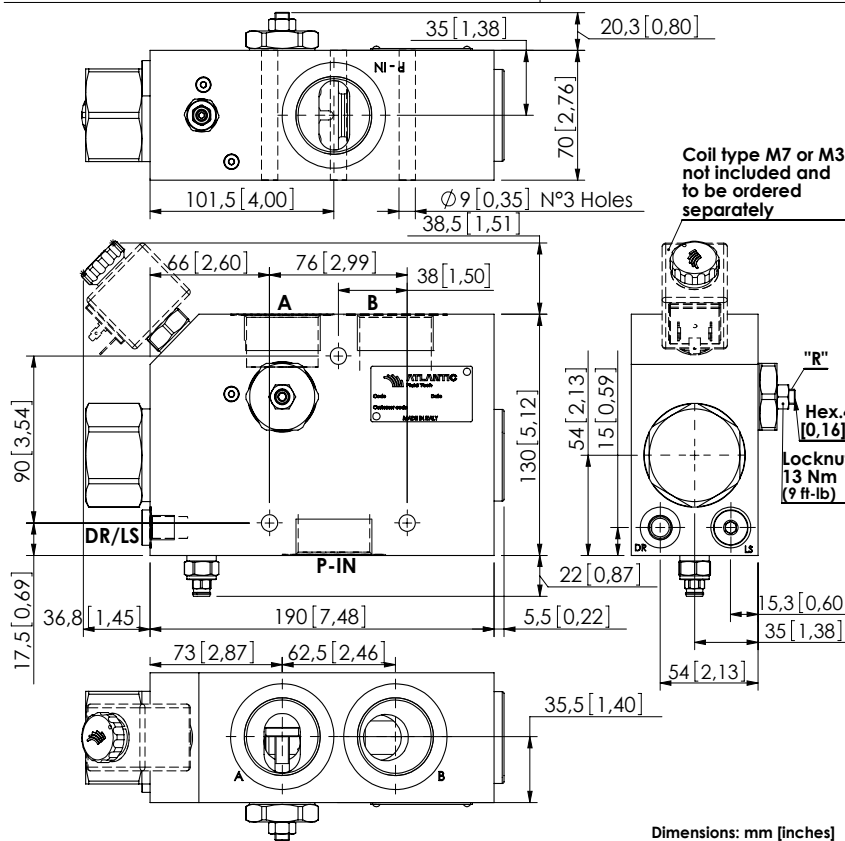
ORDERING CODES

| Quick code | Description | Ports | Standard setting | 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) |
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FLOW REGULATOR

MFPT-400-MHAR

PRESSURE COMPENSATED
PRIORITY
FLOW REGULATOR FOR
AUXILIARY CIRCUITS



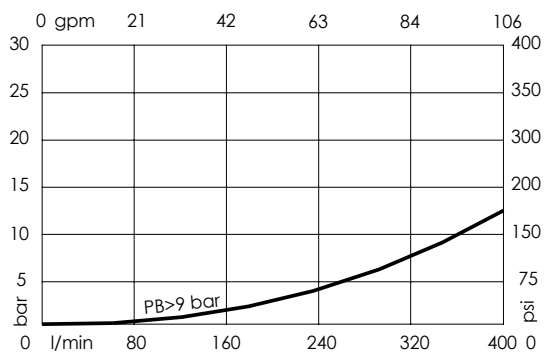
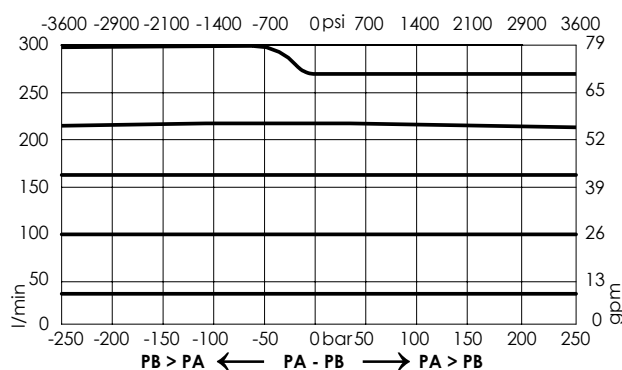
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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. |
| 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

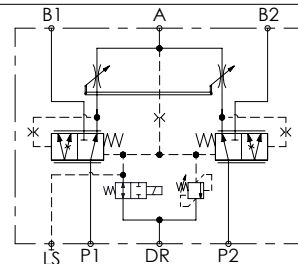
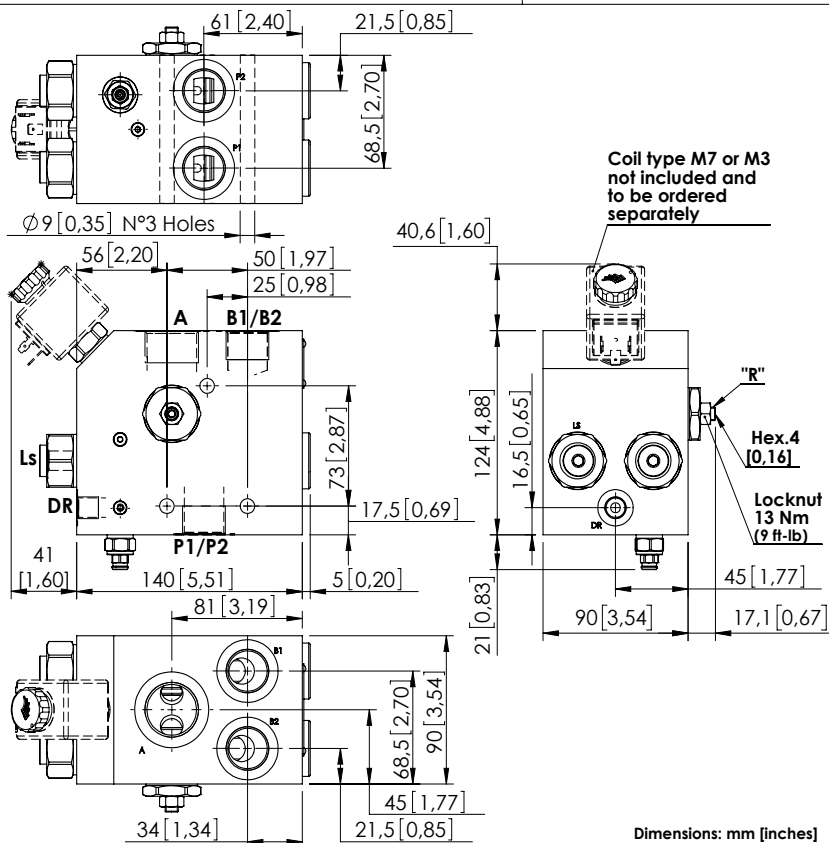
| Quick code | Description | Ports | Standard setting Q=5 l/min (1,3 gpm) | Adjustment range | Pressure increase |
|------------|---------------------------|-------------------------------------|---|--------------------------------|------------------------------|
| MF000071 | MFPT-400-MHAR-30-G11-V210 | 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) |
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Revision B1

FLOW REGULATOR

MFTT-200-MHAR

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



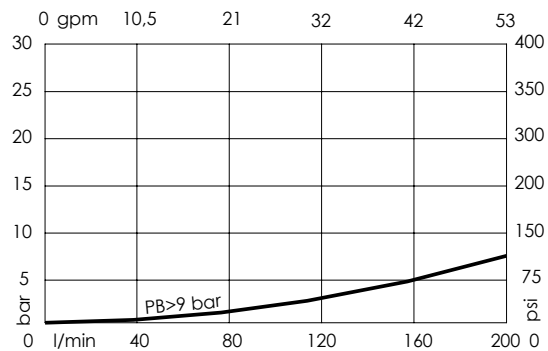
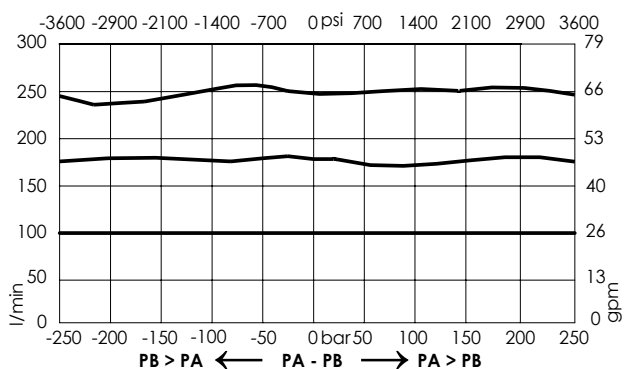
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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

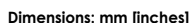
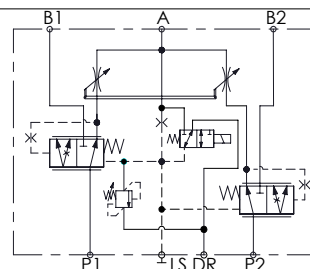


ORDERING CODES

| 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) |
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Revision C1

PRESSURE COMPENSATED PRIORITY FLOW REGULATOR FOR AUXILIARY CIRCUITS

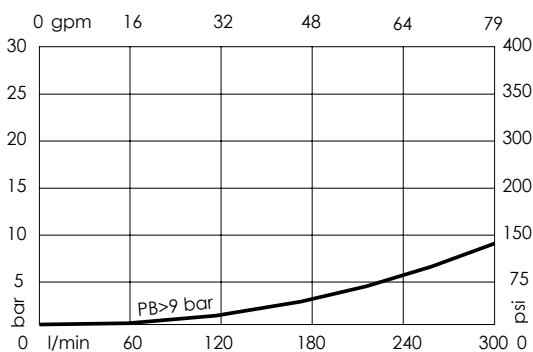


| | |
|---|---------------------------------------|
| Max. operating pressure: | 350 bar (5000 psi) |
| Rated flow: | 2 x 300 l/min (2x79 gpm) |
| Regulated flow: | 1,5-300 l/min (0,4-79 gpm) |
| Manifold: | Steel |
| Weight: | 22,36 kg (49,3 lbs) |
| Contamination class to ISO 4406:See technical spec.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

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 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 4 for suitable check valves.
For other configurations/quick codes not available in this catalogue page please consult factory.

The graph plots flow rate (l/min and gpm) against pressure difference (Psi and bar). The x-axis has two scales: Psi (-3600 to 3600) and bar (-250 to 250). The y-axis has two scales: l/min (0 to 450) and gpm (0 to 119). Three curves are shown, representing different pump configurations:

- PB > PA (Top Curve):** Flow rate is nearly constant at approximately 375 l/min across the entire pressure range.
- PA - PB (Middle Curve):** Flow rate starts at ~280 l/min at -250 bar, dips to a minimum of ~280 l/min at 50 bar, and then rises slightly to ~300 l/min at 250 bar.
- PA > PB (Bottom Curve):** Flow rate starts at ~75 l/min at -250 bar and increases steadily to ~100 l/min at 250 bar.

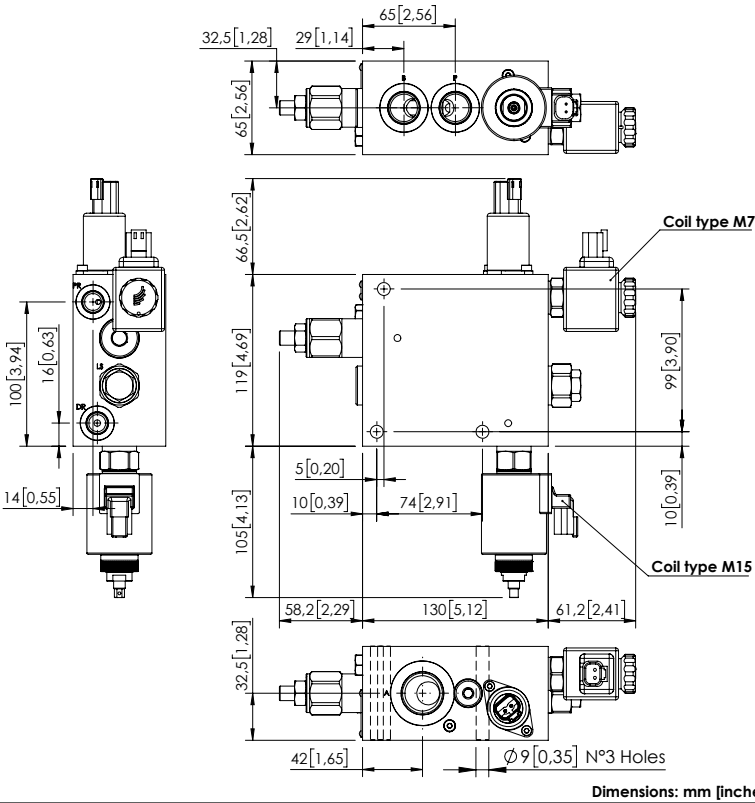


| Quick code | Description | Ports | Standard setting Q=5 l/min (1,3 gpm) | Adjustment range | Pressure increase |
|------------|---------------------------|---|---|---------------------------------------|--|
| MF000275 | MFTT-300-MHAR-30-G11-V350 | P1,P2,B1,B2: G 1" A: G 1-1/4" , DR,LS: G 1/4" | 350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

MFPT-100-MHAR

PROPORTIONAL VALVE



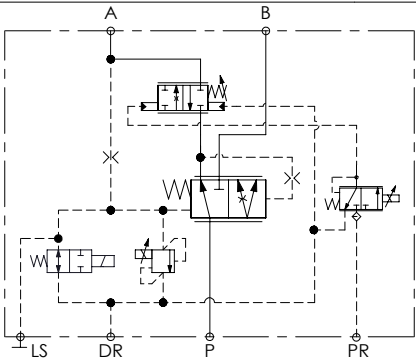
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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. |
| MTTFd: | 150 - 1200 years: See technical spec. |

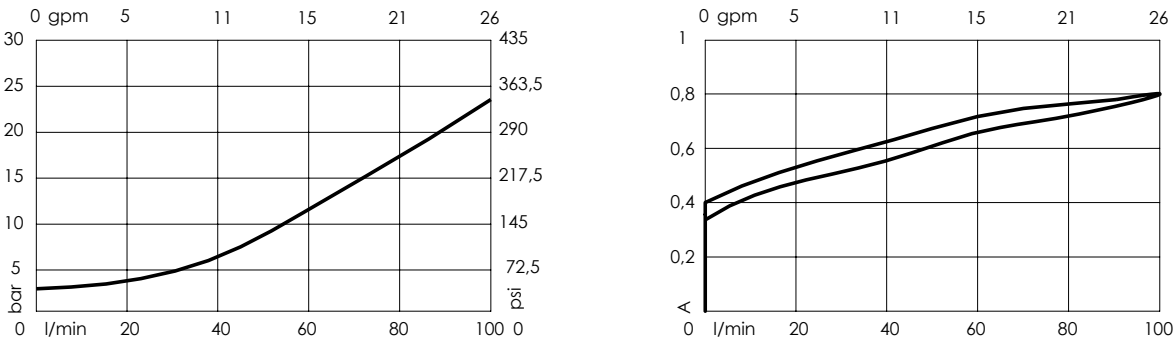
NOTES

- 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

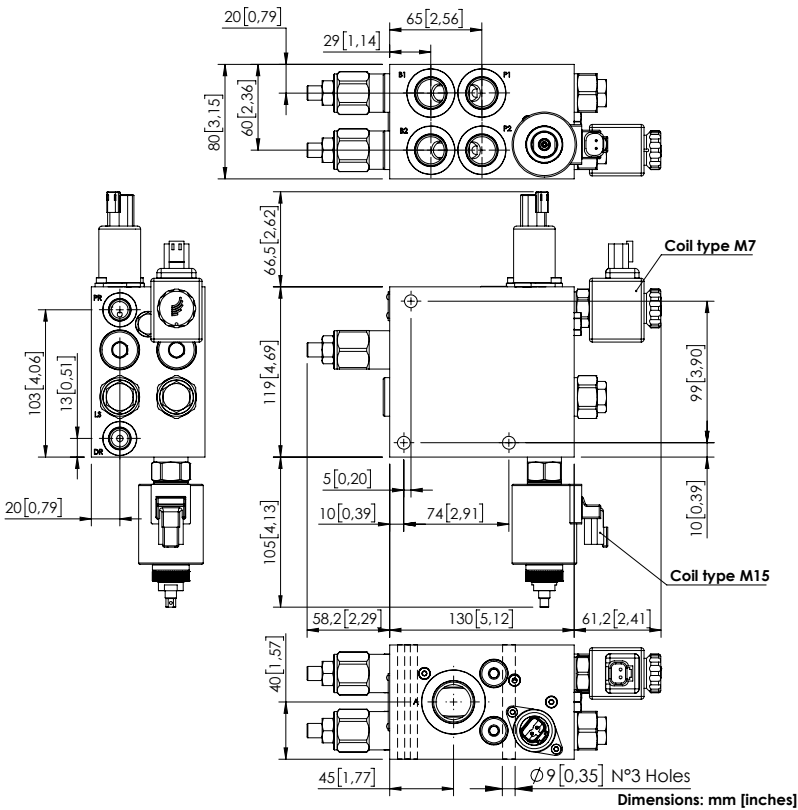
| Quick code | Description | Type of coil | Mail ports size | Setting range |
|------------|-------------------------------|--------------|--|------------------------------|
| MF000406 | MFPT-100-MHAR-85-J34-V350-12V | 12V - DT04 | P,B: 1/2" JIS A: 3/4" JIS PR,DR,LS: 1/4" JIS | 30- 350 bar (430 - 5000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



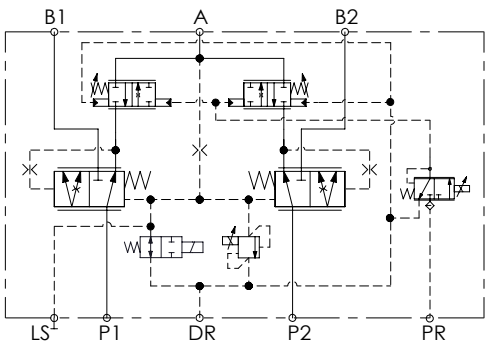
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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 _a : | 150 - 1200 years: See technical spec. |

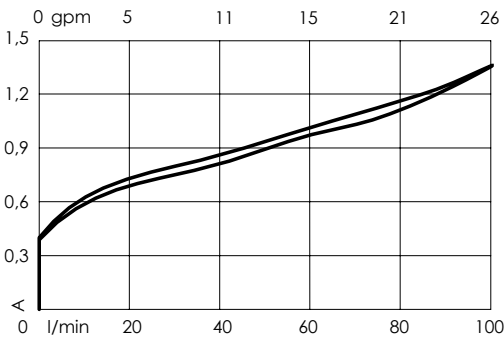
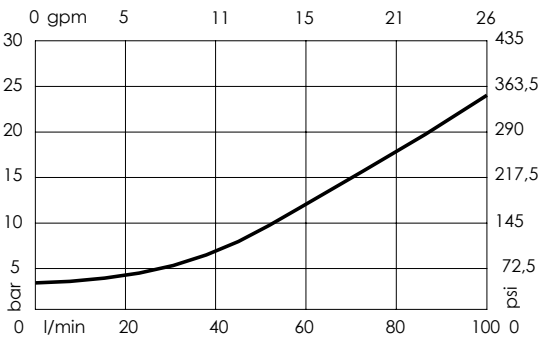
NOTES

- 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

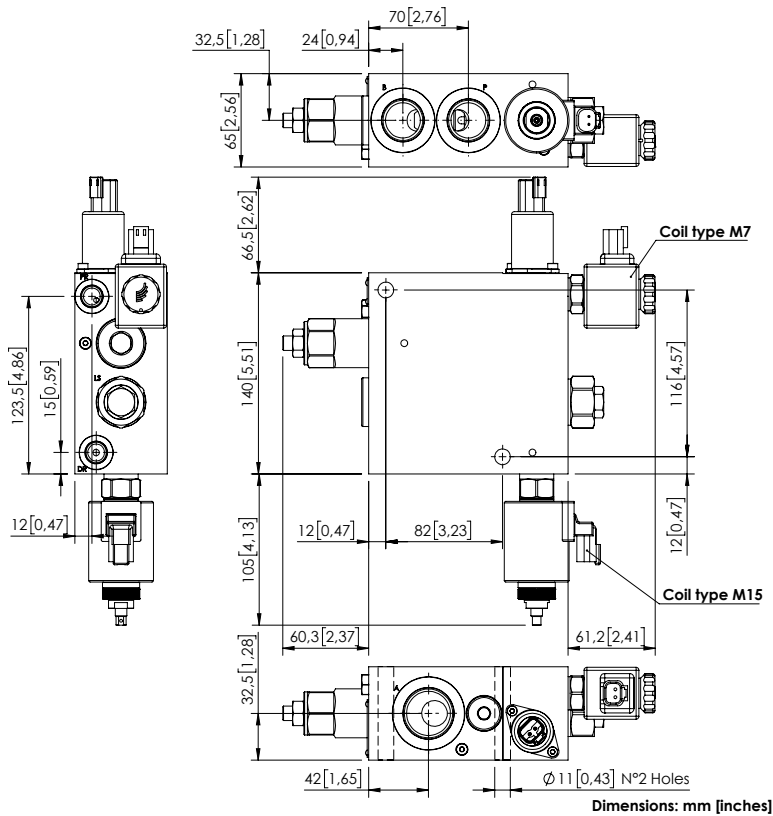
| Quick code | Description | Type of coil | Mail ports size | Setting range |
|------------|-------------------------------|--------------|--|------------------------------|
| MF000408 | MFFT-100-MHAR-15-J34-V350-12V | 12V - DT04 | P1,P2,B1,B2: 1/2" JIS A: 3/4" JIS PR,DR,LS: 1/4" JIS | 30- 350 bar (430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



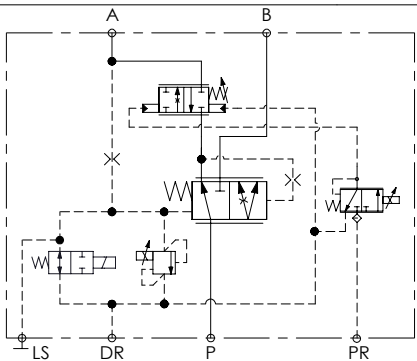
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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. |
| MTTFd: | 150 - 1200 years: See technical spec. |

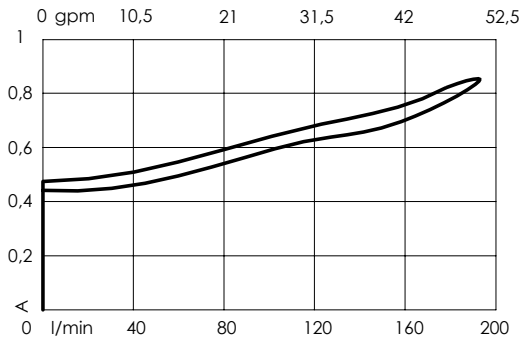
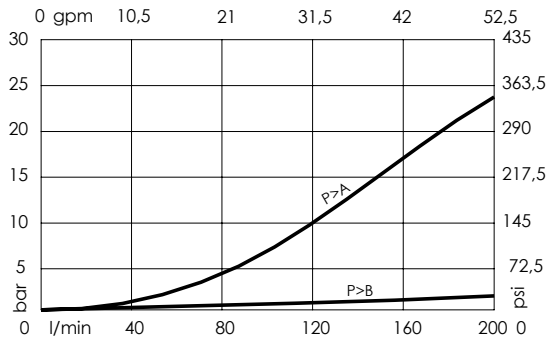
NOTES

- 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

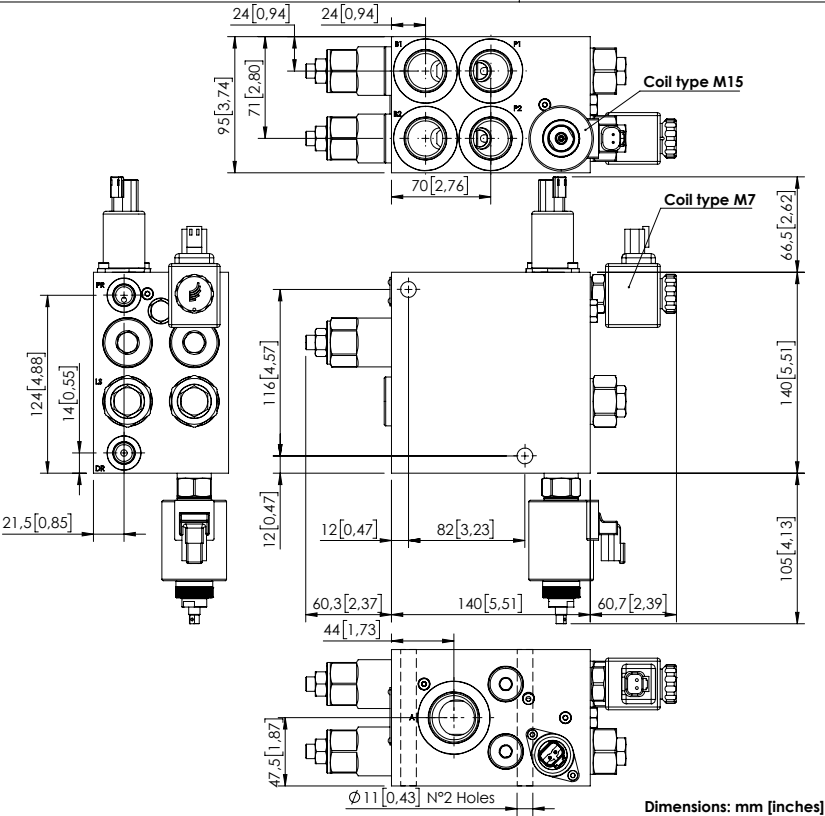
| Quick code | Description | Type of coil | Mail ports size | Setting range |
|------------|-------------------------------|--------------|--|------------------------------|
| MF000410 | MFPT-200-MHAR-16-J10-V350-12V | 12V - DT04 | P,B: 3/4" JIS A: 1" JIS PR,DR,LS: 1/4" JIS | 30- 350 bar (430 - 5000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

Revision A1

FLOW REGULATOR

MFTT-200-MHAR

PROPORTIONAL VALVE



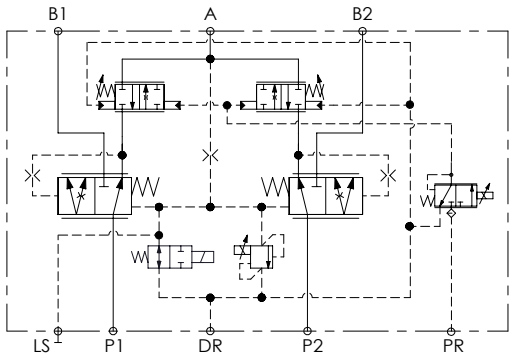
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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. |
| MTTFd: | 150 - 1200 years: See technical spec. |

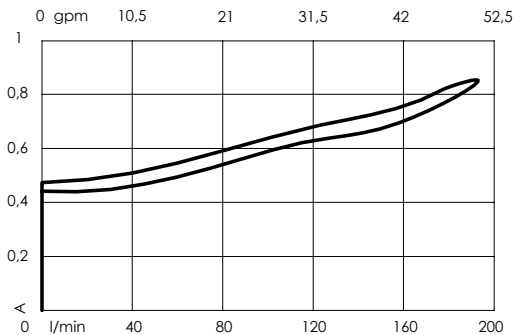
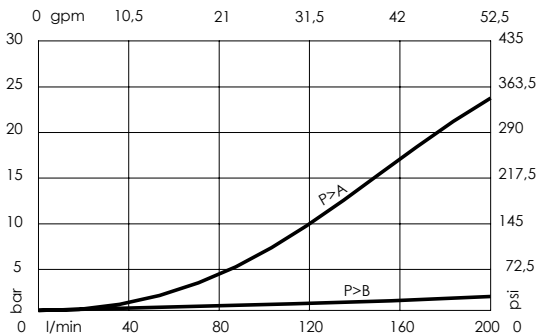
NOTES

- 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

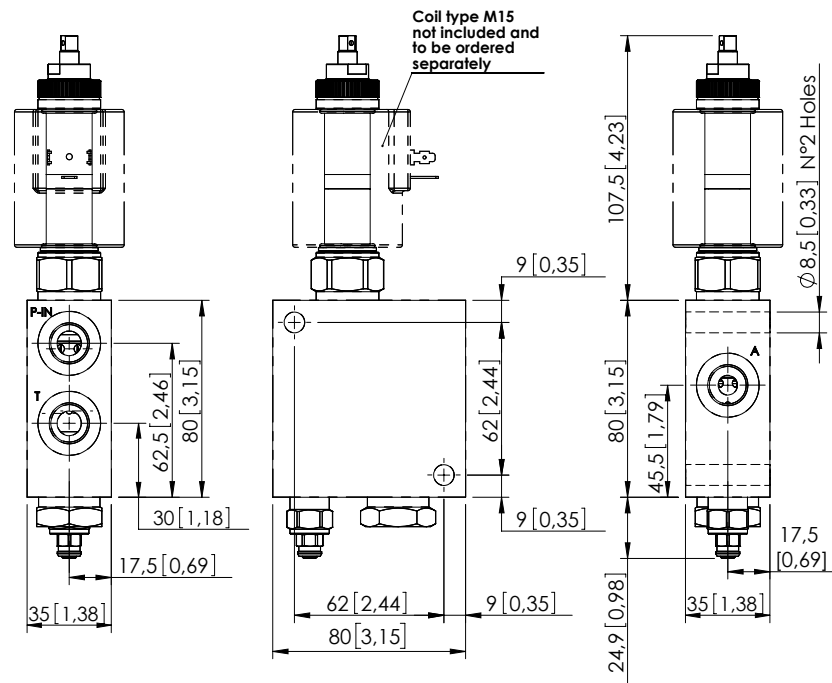
| Quick code | Description | Type of coil | Mail ports size | Setting range |
|------------|-------------------------------|--------------|--|------------------------------|
| MF000412 | MFTT-200-MHAR-30-J10-V350-12V | 12V - DT04 | P,B: 3/4" JIS A: 1" JIS PR,DR,LS: 1/4" JIS | 30- 350 bar (430 - 5000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

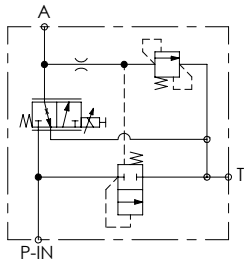
FLOW REGULATOR

MFCZ-040-LSLR

PROPORTIONAL VALVE
COMPENSATED



Dimensions: mm [inches]



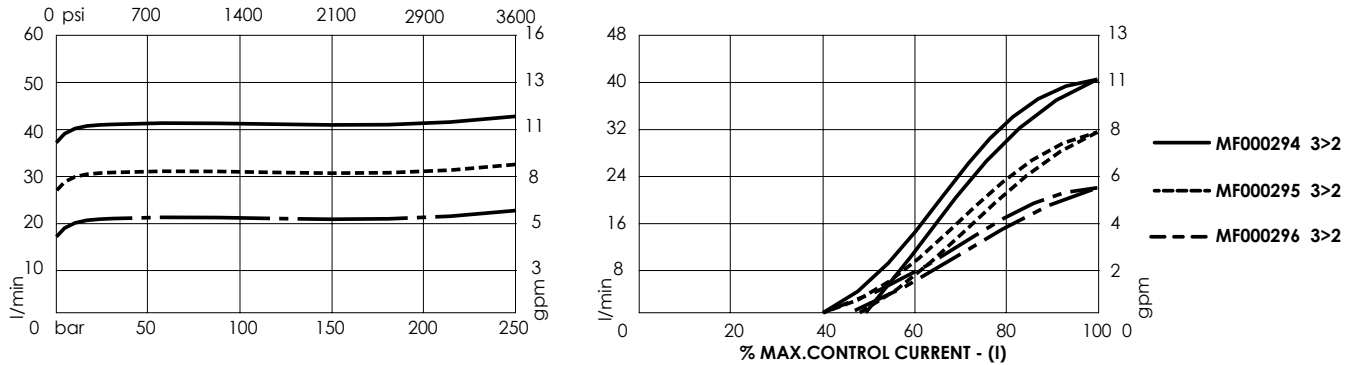
SPECIFICATIONS

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

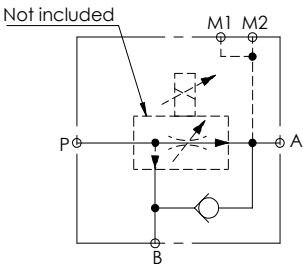
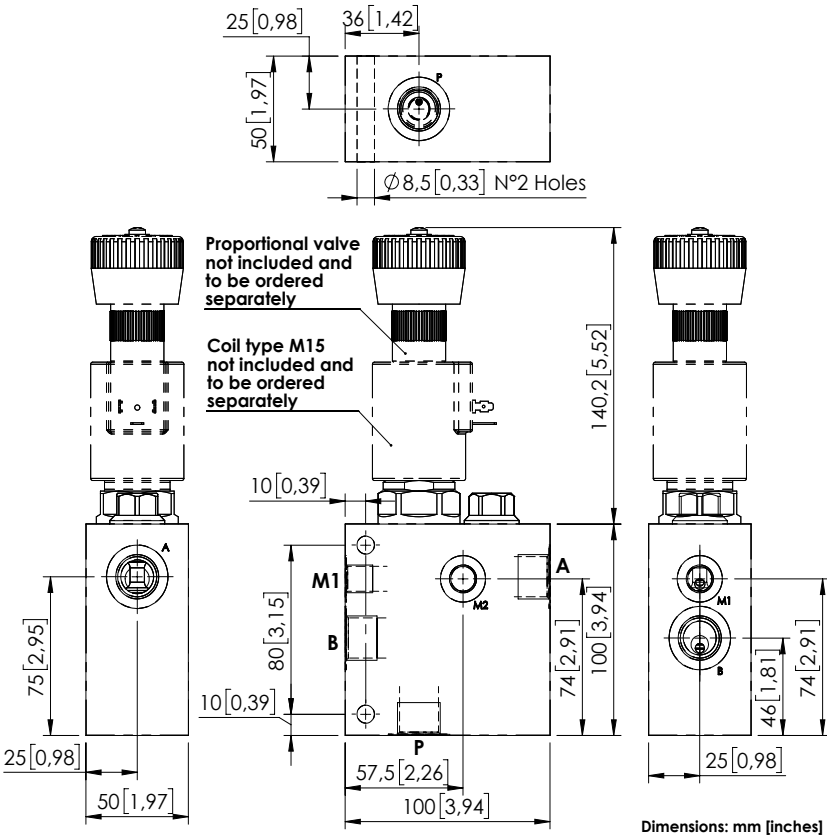
| Quick code | Description | Rated flow | Ports | Threshold current (with 12VDC coil) | Max control current (with 12VDC coil) |
|------------|---------------------------|-------------------|------------------|--|--|
| MF000294 | MFCZ-040-LSLR-40-G38-N210 | 40 l/min (11 gpm) | A,P-IN,T: G 3/8" | 800 mA (± 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%) |
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Revision A1

FLOW REGULATOR

MFPC-140-AMLR

PROPORTIONAL VALVES
WITH ANTICAVITATION



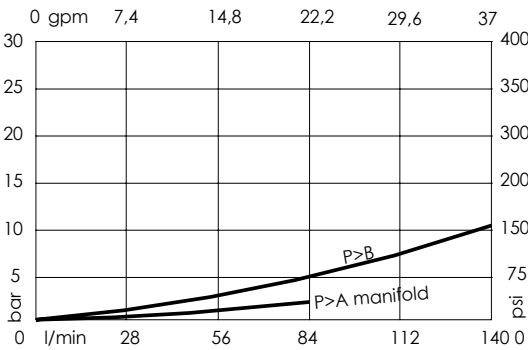
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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 _d : | 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

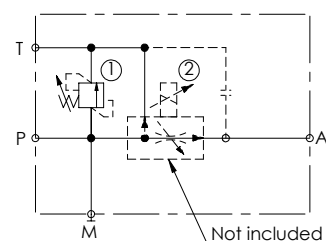
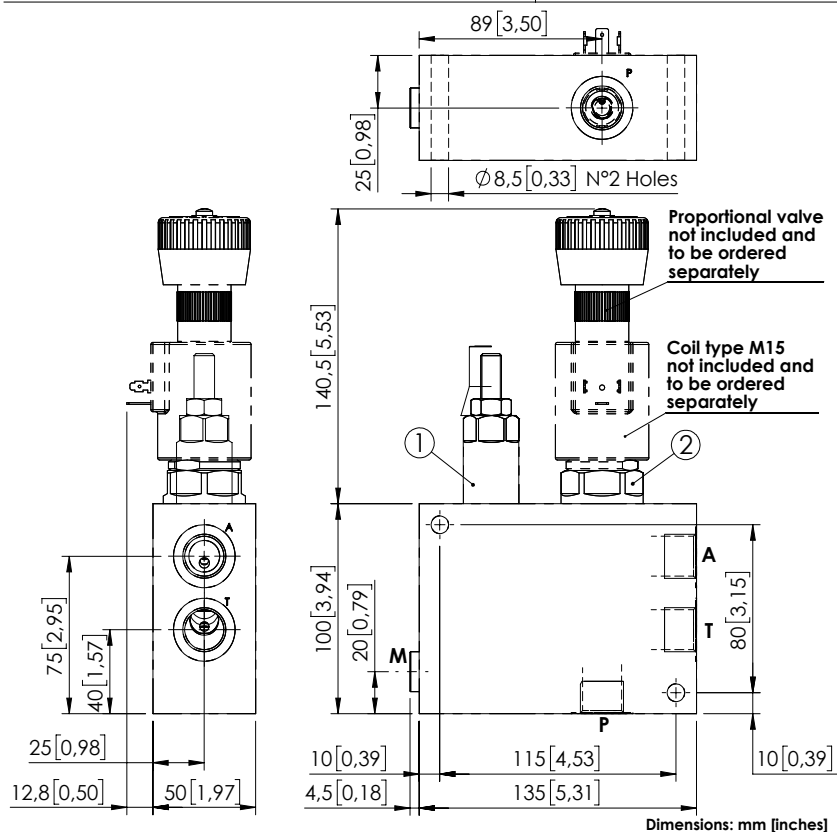


ORDERING CODES

| 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) |
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FLOW REGULATOR

MFPC-140-LMLR

PROPORTIONAL VALVE
WITH RELIEF

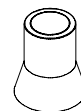
SPECIFICATIONS

| | |
|----------------------------------|-----------------------|
| 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

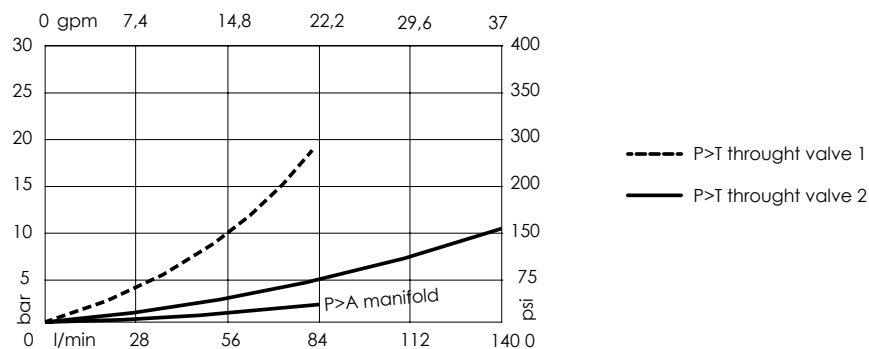
See chapter 21.00.000 for coil.
See chapter 16.00.000 for proportional valve info.
For other configurations/quick codes not available in this catalogue page please consult factory

SEALING CAP



Ordering code:
AT000021

CURVES



ORDERING CODES

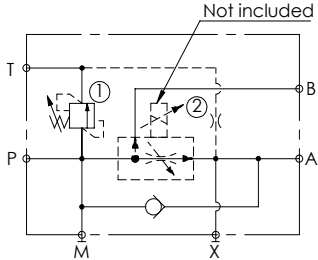
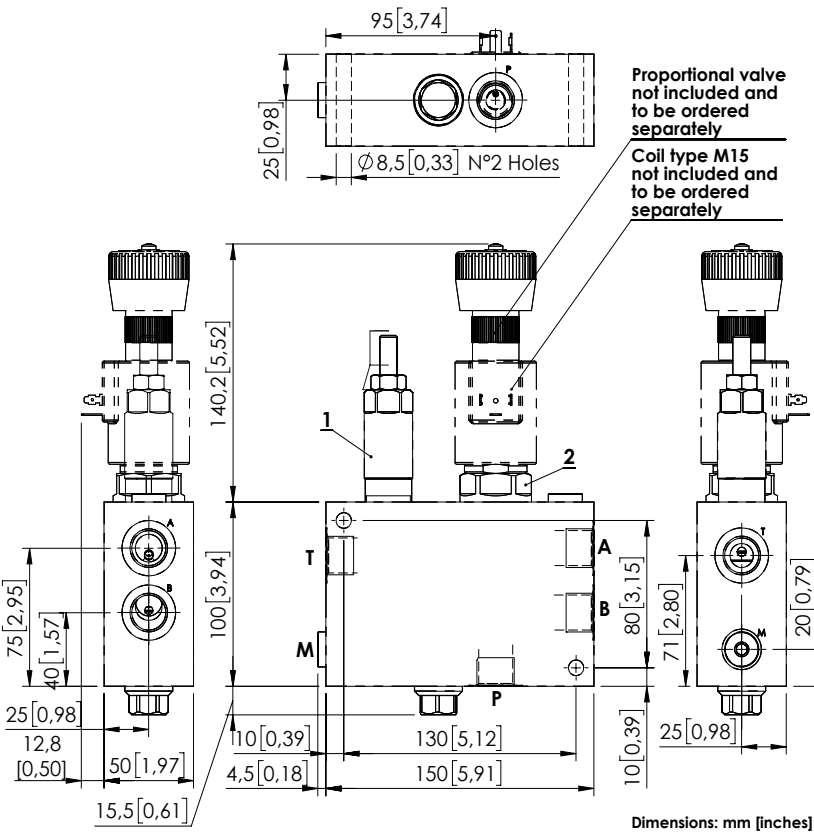
| Quick code | Description | Ports | Standard setting Q=5 l/min (1,3 gpm) | Adjustment range | Pressure increase |
|------------|---------------------------|----------------------------|---|---------------------------|-------------------------------|
| MF000350 | MFPC-140-LMLR-80-G12-N320 | P,A,T: G 1/2" M: G 1/4" | 200 bar (2900 psi) | 60-210 bar (850-3000 psi) | 24 bar/turn (350 psi/turn) |
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Revision A1

FLOW REGULATOR

MFPC-140-TMLR

PROPORTIONAL VALVES
WITH BYPASS CHECK
WITH RELIEF



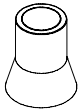
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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 _d : | 150 - 1200 years: See technical spec. |

NOTES

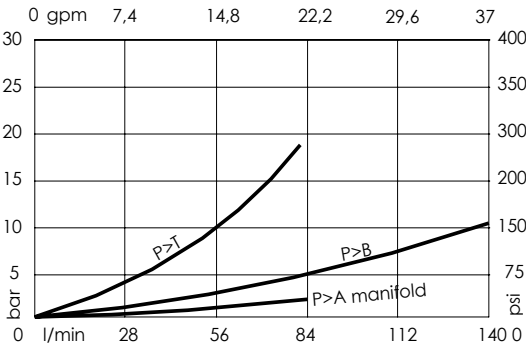
See chapter 21.00.000 for coil.
See chapter 16.00.000 for proportional valve info.
For other configurations/quick codes not available in this catalogue page please consult factory

SEALING CAP



Ordering code:
AT000021

CURVES



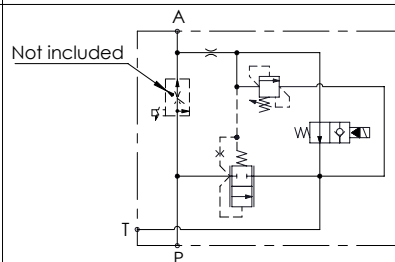
ORDERING CODES

| 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) |
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FLOW REGULATOR

MFPC-200-MMAR

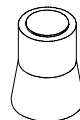
PROPORTIONAL VALVES
WITH UNLOADING
WITH RELIEF



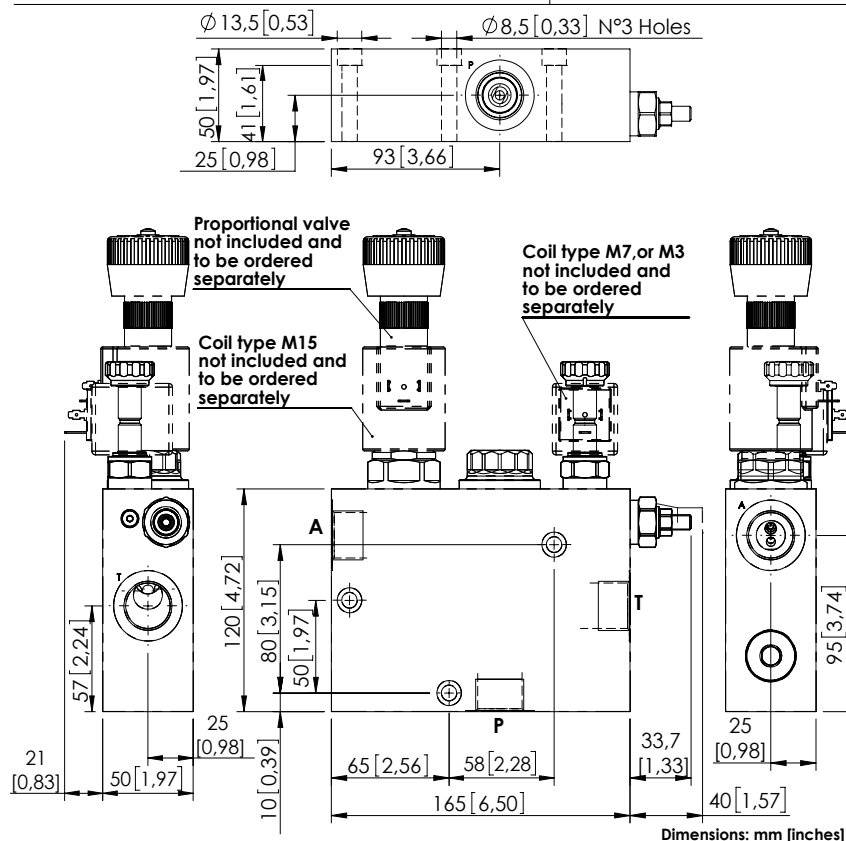
SPECIFICATIONS

| | |
|----------------------------------|---------------------------------------|
| 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. |

SEALING CAP



Ordering code:
AT000020



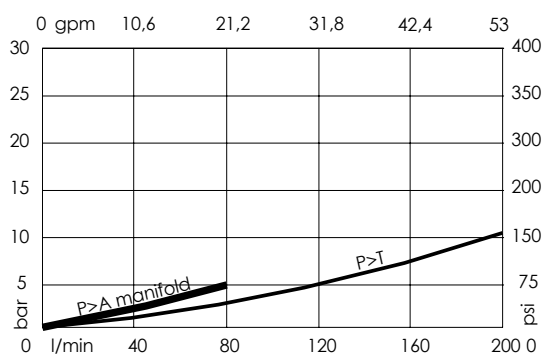
NOTES

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

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) |
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Revision A1