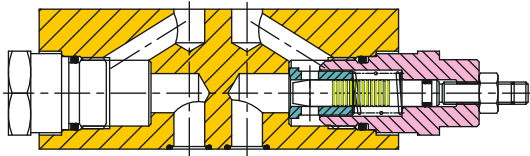


SERIES - MV4-5



Basic Characteristics

Operating Pressure (maximum) - 315 bar (4500 psi)

Rated Capacity (maximum) - 120 L/min

Approx. Weights

MV4 - 5 = 3.1 kg

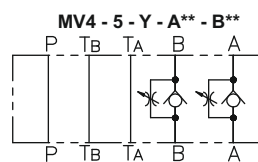
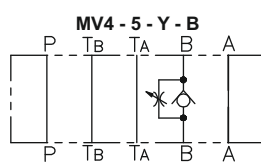
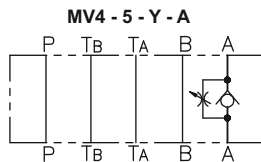
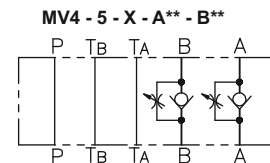
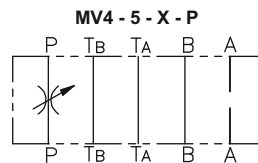
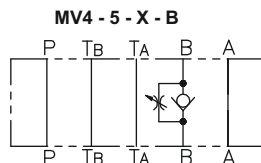
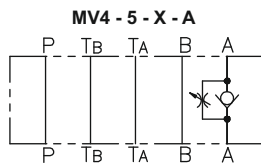
General Description

These valves are adjustable, non compensated flow restrictors. An integral Check Valve around the regulating orifice allows free flow in one direction and metered flow in the other.

Control is available in "A" only, "B" only and "A" and "B" ports as an "X" type (meter-in) or "Y" type (meter-out).

The "P" port is available only in the "X" type (meter-in) and does not contain a reverse flow check. The valve flow setting is adjustable by means of either a hex key adjusting screw and locknut. A normal or fine metering capability is available.

Functional Symbols



ORDERING INFORMATION

MV **4** - **5** - ***** - ***** ***** **W** - (***** ***** **W**) - **30**
 1 2 3 4 5 6 7 8 9 10 11

1. Model Code - MV

2. Model Series - 4

3. Arrangement - CETOP 5

4. Direction of Flow -

X = Meter - in (A and / or B)

Y = Meter - out (A and / or B)

5 & 8. Control Line -

A = Line A (single or dual with B)

B = Line B (single Control)

P = Line P (single Control)

6 & 9. Control Type -

1 = Fine Control

2 = Standard Control

7 & 10. Adjustment type -

W = Screw & Locknut (standard)

10. Design No - 30 (Subject to change)

Typical Model Code :- **MV4 - 5 - X - A2W - 30**
MV4 - 5 - X - A2W - B2W - 30

Operating data

Hydraulic fluids,
temperature range
and filtration
recommendations

Filtration -ISO 4406 code 18/15
Operating temp.-0° to 82°C (32 to 180°F)
Fluid viscosity - 8 - 51 cSt (52-250 SUS)
Fluorocarbon seals are standard and are
suitable for use with phosphate ester type
fluids or their blends. water glycol, water-in-oil
emulsion fluids and petroleum oil.

Minimum controlled flow/quiescent
leakage

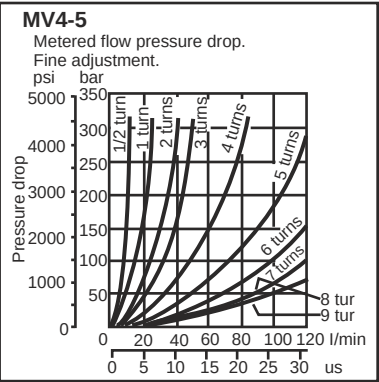
Internal leakage will vary from valve
and with the pressure differential
across the check. Maximum levels are:

Pressure drop bar (psi)	Leakage* cc/min (in ³ /min)
50 (725)	160 (9.5)
100 (1450)	320 (19)
200 (2900)	640 (38)
315 (4500)	990 (60)

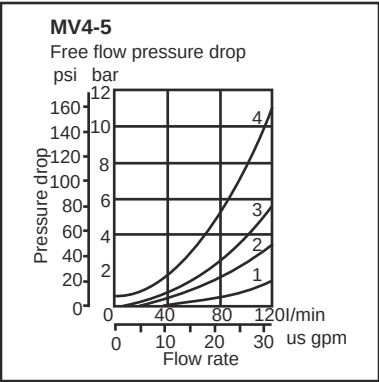
Pressure Drop -

These curves shows the Pressure drop through individual flow passages.
Curves labelled "metered flow/ Pressure drop" refer the Presuure drop
through only the passage containing the flow control regulating orifice. Total
value insertion loss is a value derived from graph 1 or 2 plus the appropriate
valves of lines 1, 2 & 3 from graph 3

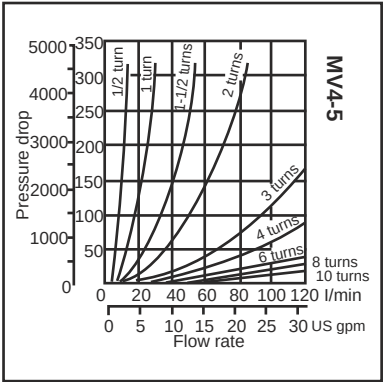
Graph 1



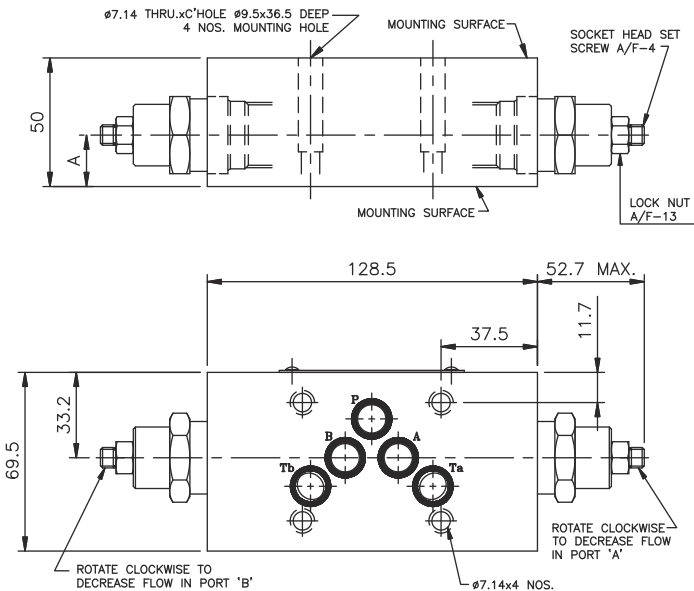
Graph 2



Graph 3



ALL DIMENSIONS ARE IN mm.



MODEL	A
MV4-5-X-DUAL	20
MV4-5-Y-DUAL	30

MODEL	A
MV4-5-X-B	20
MV4-5-Y-B	30

