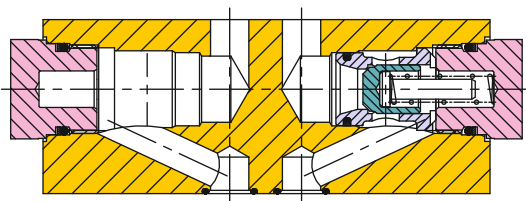


SERIES - MV3-5



Basic Characteristics

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

Rated Capacity (maximum) - 120 L/min

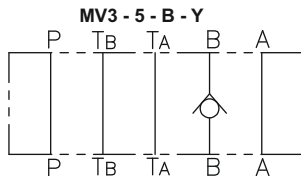
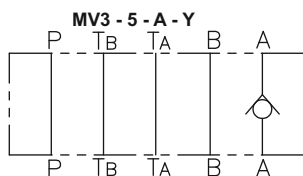
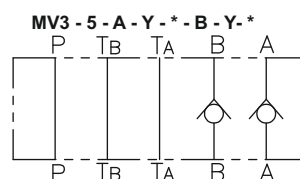
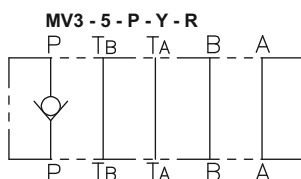
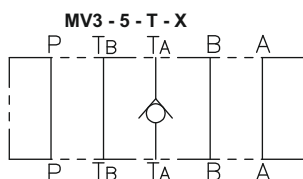
Approx. Weights

MV3 - 5 = 2.9 kg

General Description

These Modular Valves are self-operating spring loaded poppet type single or dual check units. Location of the check element can be in the "A", "B", "P" or "T" port. A check in the "P" port is available as "Y" single check model only. A check in the "T" port is available as an "X" single check model only. The dual check unit has identical check elements in both the "A" and "B" port. Check Valve cracking (opening) pressure of (15 psi) (36 psi) (73 psi) are available.

Functional Symbols



ORDERING INFORMATION

MV 3 - 5 - * - * - * - (B * - * - * -) - 30

1 2 3 4 5 6 7 8 9 10

1. Model Code - MV

2. Model Series - 3

3. Arrangement - CETOP 5

4. Port Operated Upon -
A = Check in A port (Y model only-single or dual)
B = Check in B port (Y model only-single)
P = Check in P port (Y model only-single)
T = Check in Ta port (X model only-single)

5 & 8. Control Line - Direction to check function
X = Free Flow from Load
Y = Free Flow to Load

6 & 9. Cracking Pressure -
R = 15 psi
HY = 36 psi
HU = 72 psi

7. Port Operated Upon -
B = Check in B port (dual check model only)

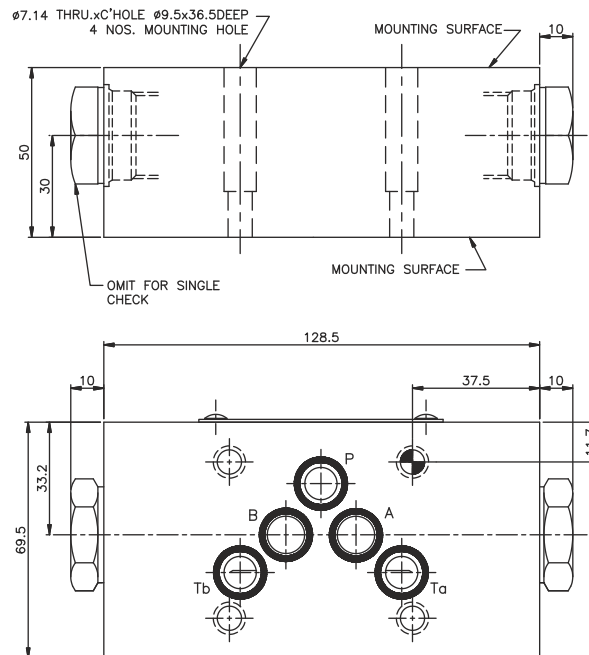
10. Design No - 30 (Subject to change)

Typical Model Code :- **MV3 - 5 - A - Y - R - 30**
MV3 - 5 - A - Y - R - B - Y - R - 30

DIRECT CHECK VALVES

MV3-5

ALL DIMENSIONS ARE IN mm. MV3-5

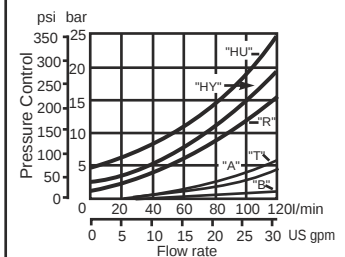


Operating data

Hydraulic fluids, temperature range and filtration recommendations

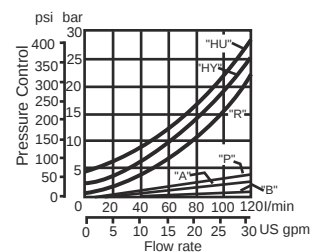
Filtration -ISO 4406 code 18/15
Operating temp. -0° to 82°C (32 to 180°F)
Fluid viscosity - 8 - 51 cSt (52-250 SUS)
Fluorocarbon seals are standard and are suitable for use with phosphate ester type fluids or their blends, water glycol, water-in-oil emulsion fluids and petroleum oil.

Graph 1



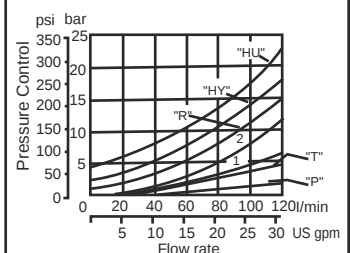
"A" port Δp is different than "B" port due to internal construction.

Graph 2



"A" port Δp is different than "B" port due to internal construction.

Graph 3



Model type	Curve reference for flow path				Graph number
	P	T	A	B	
MV3-5-P-Y-R MV3-5-P-Y-HY MV3-5-P-Y-HU	R HY HU	T	A	B	1
MV3-5-T-X-R MV3-5-T-X-HY MV3-5-T-X-HU	P	R HY HU	A	B	2
MV3-5-A-Y-R MV3-5-A-Y-HY MV3-5-A-Y-HU	P	T	R HY HU	1 2	3
MV3-5-B-Y-R MV3-5-B-Y-HY MV3-5-B-Y-HU	P	T	1 2	R HY HU	3
MV3-5-A-Y-*-B-Y-*	P	T	▲	▲	3

- Flow towards actuator
- Flow from actuator
- ▲ Use R, HY, HU curve from graph 3 as applicable