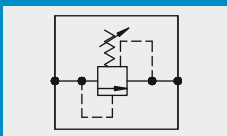
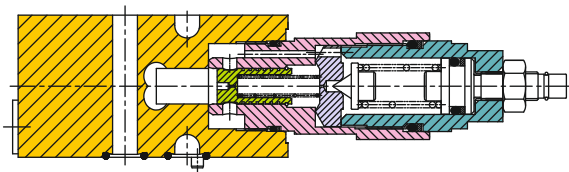


RELIEF VALVES (SINGLE RELIEF FUNCTION & DUAL RELIEF FUNCTION)



SERIES - MV1-3/MV2-DRF-3



Basic Characteristics

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

Rated Capacity (maximum) - 60 L/min

Approx. Weights

MV1-3 = 1.3 kg

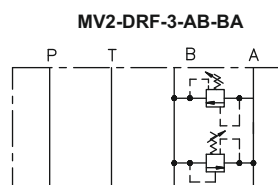
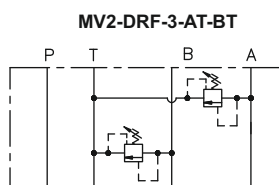
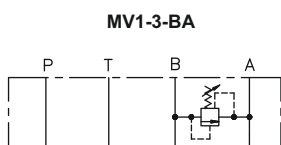
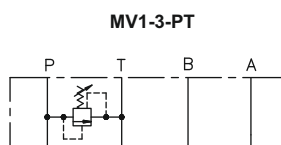
MV2-DRF-3 = 2.5 kg

General Description

These two-stage adjustable Pressure Relief Valves limit the maximum pressure in the line(s) controlled by the Integral Relief Valve elements.

Pressure adjustment options of control Screw / locknut design are available. The two-stage operation is basically identical to long-established Balanced Piston Valves.

Functional Symbols



ORDERING INFORMATION

MV ¹ ***or*** ² **- 3** ³ **- **** ⁴ **- *** ⁵ **- W** ⁶ **- (B * - * - W -)** ⁷ **- *** ⁸ **- 40** ⁹ ¹⁰ ¹¹

1. Model Code - MV

2. Model Series - 1 (Single Relief)
2 - DRF (Dual Relief)

3. Arrangement - CETOP 3

4. Control Line -

AT = A port Control & T port discharge (dual with BT)
BT = B port Control & T port discharge (single)
PT = P port Control & T port discharge (single)
AB = A port Control & B port discharge (dual with BA)
BA = B port Control & A port discharge (single)

5 & 8. Pressure Range -

C = 44 - 725 psi HC = 145 - 2900 psi
HI = 44 - 1450 psi YO = 725 - 4350 psi

6 & 9. Adjustment type -

W = Screw & Locknut (standard)

7. Control Line -

BA = B port Control & A port discharge (dual with AB)
BT = B port Control & T port discharge (dual with AT)

10. Gauge Port Thread Type - (for PT & AT only)

B = 1/4" BSPF
S = 7/16"-20 UNF-2B } Omit if no gauge port

11. Design No - 40 (Subject to change)

Typical Model Code :- **MV1 - 3 - AT - C - W - B - 40 (single relief)**

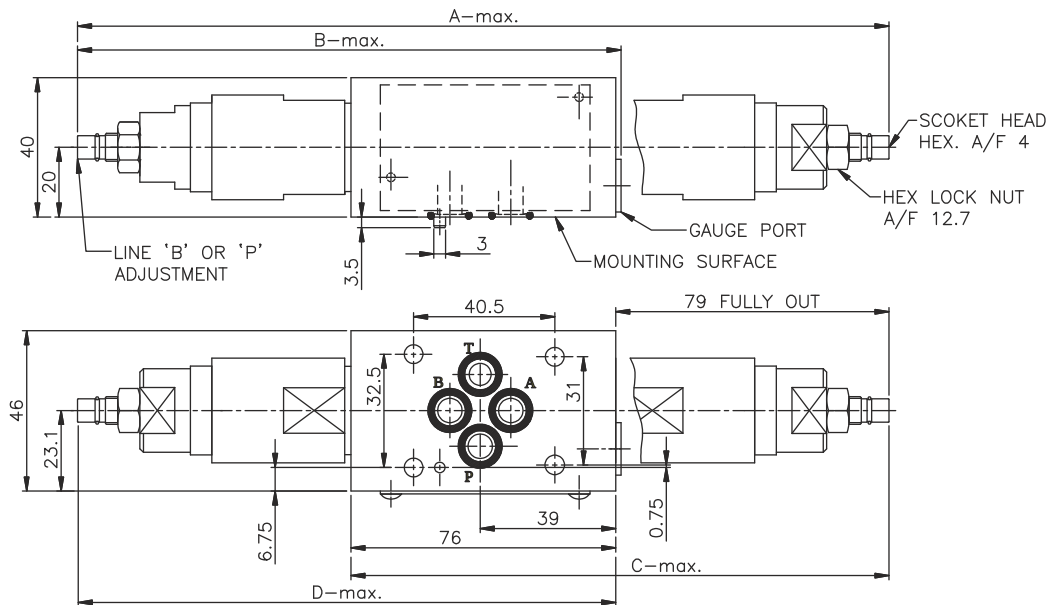
MV2 - DRF - 3 - AB - C - W - BA - C - W - 40 (dual relief)

RELIEF VALVES

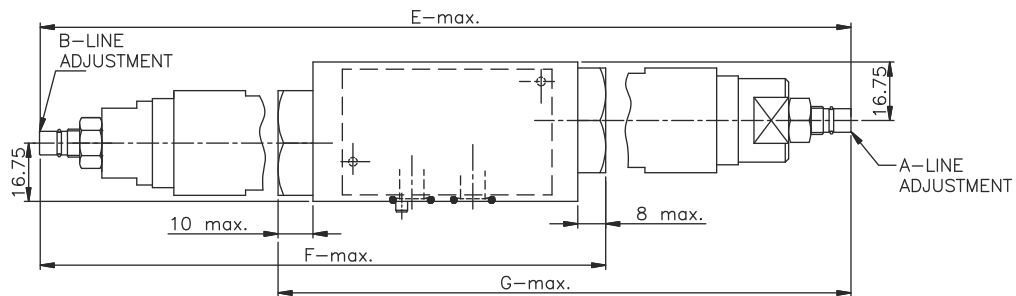
MV1-3/MV2-DRF-3

ALL DIMENSIONS ARE IN mm.

MODEL:- AT, BT, PT, AT-BT



MODEL:- AB, BA, AB-BA



MODEL CODE	A	B	C	D	E	F	G
MV1-3-AT-*W-40	-	-	154	-	-	-	-
MV1-3-BT-*W-40	-	-	-	156	-	-	-
MV1-3-AT-*W-*W-40	-	160	-	-	-	-	-
MV1-3-PT-*W-40	-	-	-	156	-	-	-
MV1-3-PT-*W-*W-40	-	160	-	-	-	-	-
MV2-DRF-3-AT-*W-BT-*W-40	234	-	-	-	-	-	-
MV1-3-AB-*W-*W-40	-	-	-	-	-	-	164
MV1-3-BA-*W-40	-	-	-	-	-	164	-
MV2-DRF-3-AB-*W-BA-*W-40	-	-	-	-	234	-	-

TO ADJUST VALVE SETTING SLACKEN OFF LOCKNUT & TURN ADJUSTER SCREW. TURN CLOCKWISE TO INCREASE PRESSURE, COUNTER-CLOCKWISE TO DECREASE PRESSURE. RE-TIGHTEN LOCKNUT AFTER COMPLETING ADJUSTMENT.

Performance Characteristics

Pressure override
Typical performance for PT models at max. pressure settings with mineral oil at 21 cSt (102 SUS) and at 50°C (122°F).

