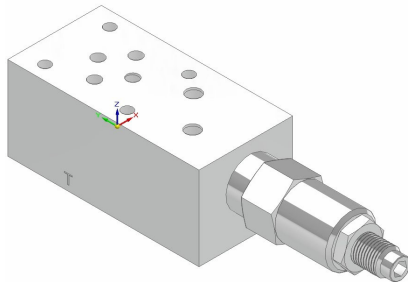


Overview



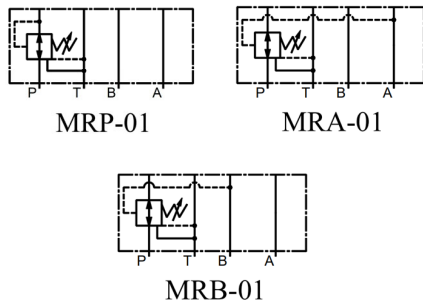
Description

Modular pressure reducing valves are used to reduce the pressure in a hydraulic circuit to a predetermined value and maintain constant secondary pressure. They are suitable for hydraulic systems where different pressure levels are required in individual circuits.

Features

- Installation and mounting space can be minimized.
- No special skill is required for assembly. Any alteration/addition to the hydraulic circuit can be made quickly and easily.
- Problems such as oil-leaks, vibration and noise which may be caused by piping are minimized, increasing the reliability of the hydraulic system.
- Maintenance of the system check-ups can be easily carried out as they are normally installed in stackable units.

Symbol



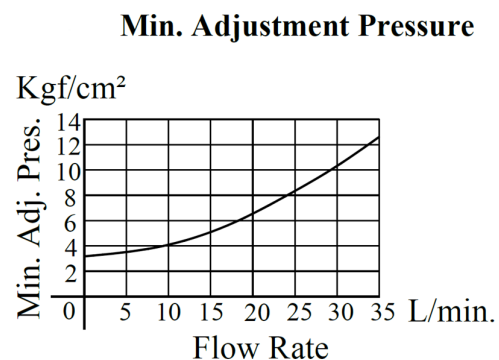
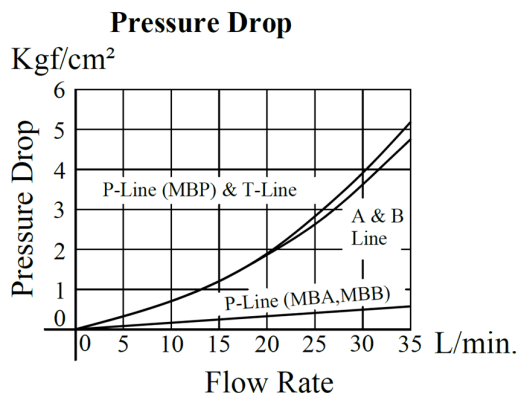
Instruction

- Minimum Adjustment Pressure varies according to the back pressure at tank line. Therefore, please obtain it from the following formula.
- Min. Adjustment pressure = value obtained from minimum adjustment pressure characteristics curve and back pressure at tank line.
- The back pressure at the tank line should be obtained by adding the tank line pressure drop for each valve to be stacked.
- To make pressure adjustment, loosen the lock nut and turn the pressure adjustment screw clockwise or anticlockwise.
- For an increase of pressure, turn the screw clockwise. Be sure to retighten the lock nut firmly after making adjustment to the pressure.
- In case of a small flow, the setting pressure may become unstable. To avoid this, refer to the minimum flow characteristic curves to the left and use the value within a range as shown.

Rating

Operating Pressure	: 210 kgf/cm ²
Maximum Flow	: 35 L/min
Flow Rating	: Refer Pressure drop VS Flow Graph
Temperature	: -15 ⁰ to +70 ⁰ C
Viscosity	: 15 to 400 cSt
Fluids	: Hydraulic Fluids with viscosities of 35 cSt, Specific Gravity 0.850

Performance



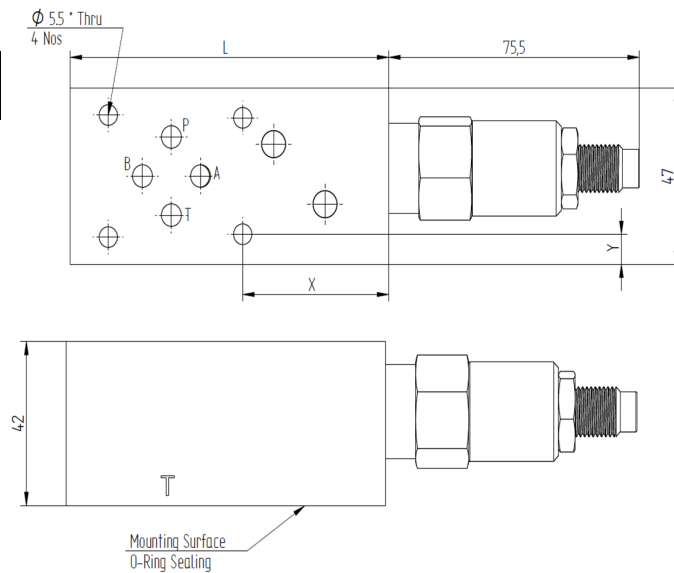
Model Code

MB_	-	01	-	-	A
MBP = Modular Relief valves P-Line MBA = Modular Relief Valves A-Line MBB = Modular Relief Valves B-Line		Size	<u>Pressure Adjustment Range</u> (Kgf/cm ²) 10 = 10 to 100 Bar 21 = 20 to 230 Bar		<u>Material</u> A = Aluminium

Installation Specifications

Unit = Millimeters

Model	L	X	Y
MRP-01	96	44	8



Note: Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.