

Pressure and Temperature Compensated Flow Control (and Check) Modular Valves

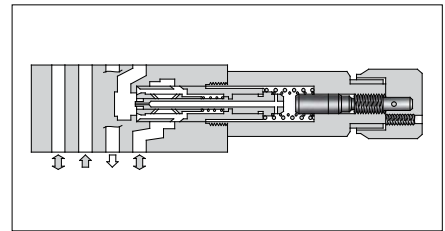
Specifications

| Model Numbers | Max. Operating Pressure MPa | Max. Metered Flow L/min | Max. Free Flow L/min |
|---------------|-----------------------------|-------------------------|----------------------|
| MFP-01-10 | 16 | 35 | — |
| MF*-01-*-10 | | | 35 |

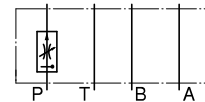


Model Number Designation

| MFA | -01 | -X | -10 |
|--|------------|-----------------------------|---------------|
| Series Number | Valve Size | Direction of Flow | Design Number |
| MFP: Flow Control Valve for P-Line | 01 | — | 10 |
| MFA: Flow Control and Check Valve for A-Line MFB: Flow Control and Check Valve for B-Line MFW: Flow Control and Check Valve for A&B-Lines | | X: Meter-out Y: Meter-in | 10 |



Graphic Symbols

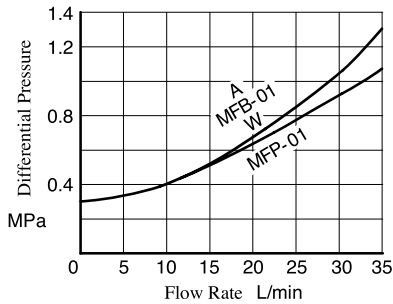


MFP-01

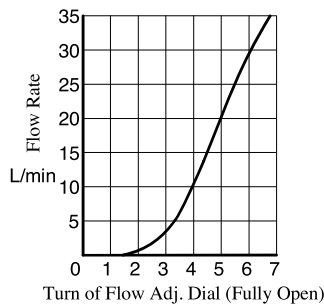
Typical Performance Characteristics

Hydraulic Fluid: Viscosity 35 mm²/s, Specific Gravity 0.850

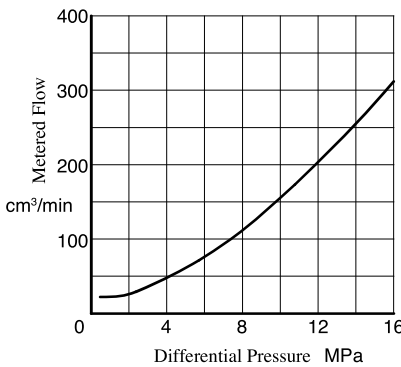
Min. Required Pressure Difference



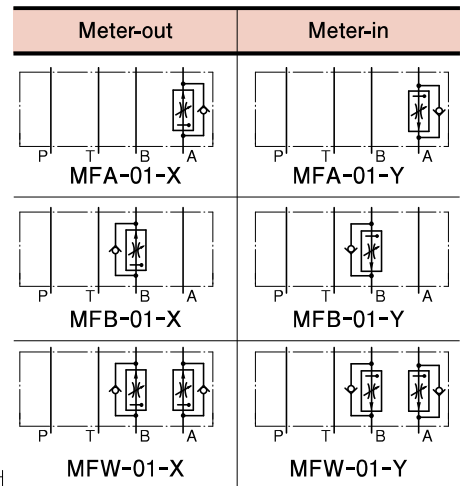
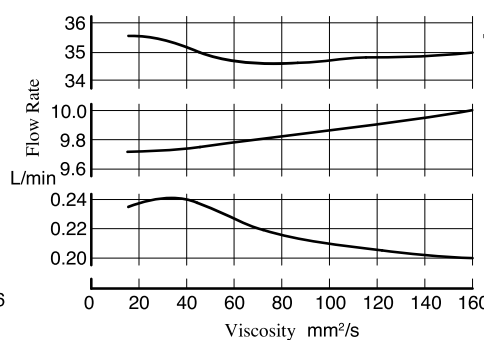
Metered Flow vs. Dial Position



Min. Metered Flow



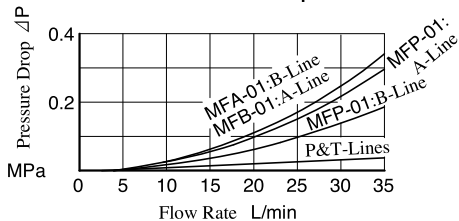
Metered Flow vs. Viscosity



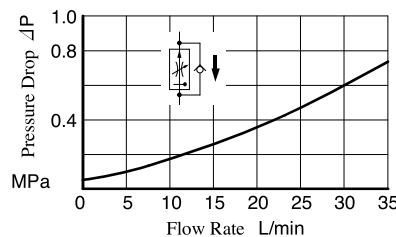
Instructions

- To make flow rate adjustment, loosen locking screw for the dial and turn the flow adjustment dial clockwise or anti-clockwise. For a decrease of flow, turn the dial clockwise. Be sure to re-tighten the locking screw firmly after the adjustment of the flow rate.

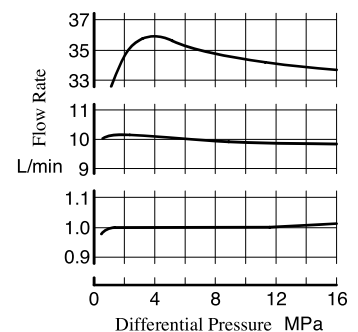
Pressure Drop



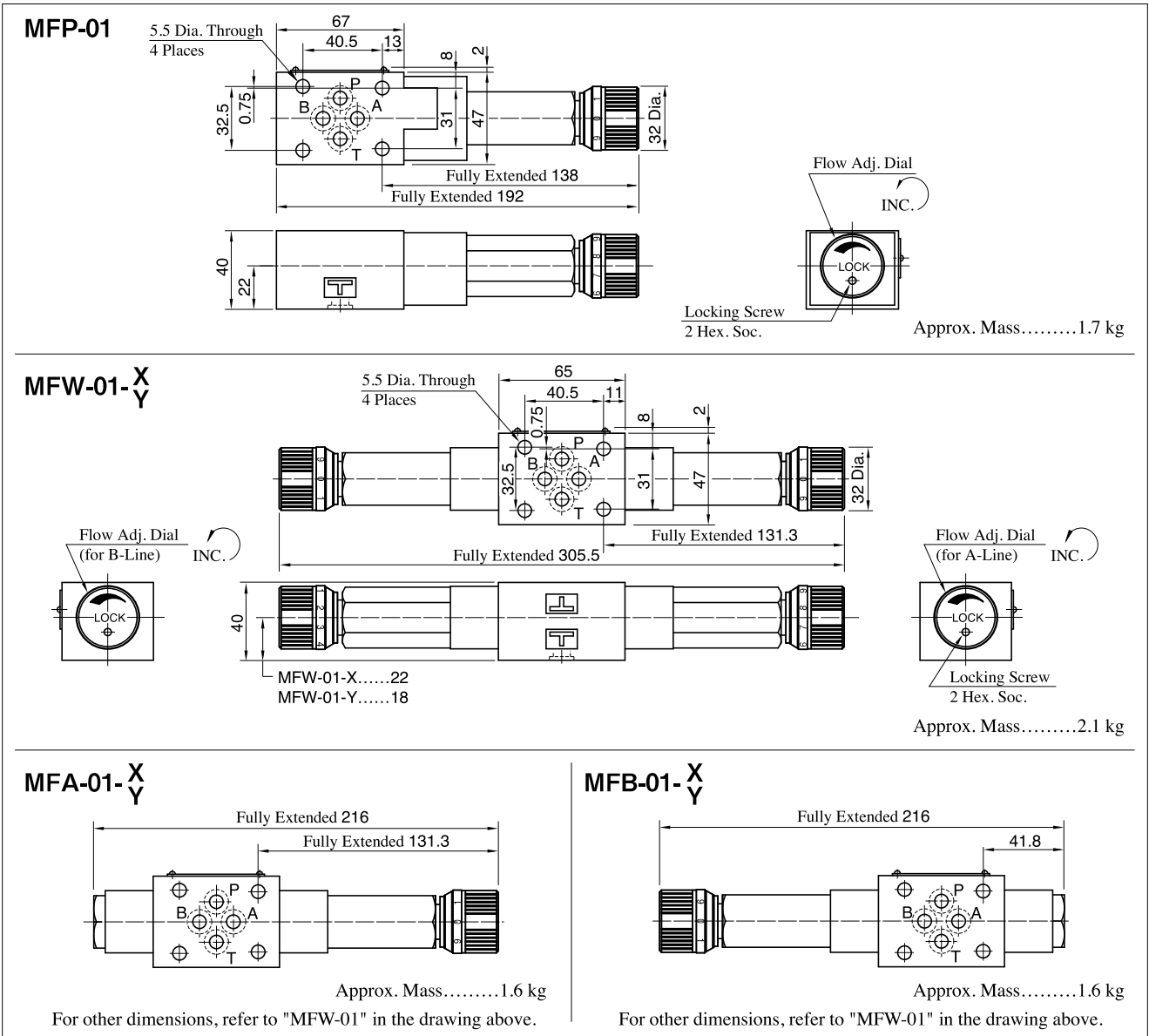
Pressure Drop for Free Flow



Metered Flow vs. Differential Pres.



F
01 Series Modular Valves



List of Seals

