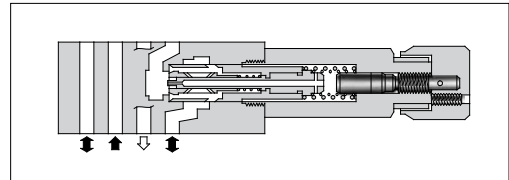


Pressure and Temperature Compensated Flow Control (and Check) Modular Valves

Specifications

Model Numbers	Max. Operating Pressure MPa (PSI)	Max. Metred Flow L/min (U.S.GPM)	Max. Free Flow L/min (U.S.GPM)
MFP-01-10	16 (2320)	35 (9.25)	—
MFA-01-*-10			35 (9.25)
MFB-01-*-10 MFW-01-*-10			



Model Number Designation

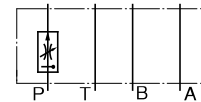
F-	MFA	-01	-X	-10	
Special Seals	Series Number	Valve Size	Direction of Flow	Design Number	Design Standard
F: Special Seals for Phosphate Ester Type Fluids (Omit if not required)	MFP : Flow Control Valve for P-Line	01	—	10	Refer to ★
	MFA : Flow Control and Check Valve for A-Line MFB : Flow Control and Check Valve for B-Line MFW : Flow Control and Check Valve for A&B-Lines		X: Metre-out Y: Metre-in	10	

★ Design Standards: None Japanese Standard "JIS", European Design Standard and N. American Design Standard

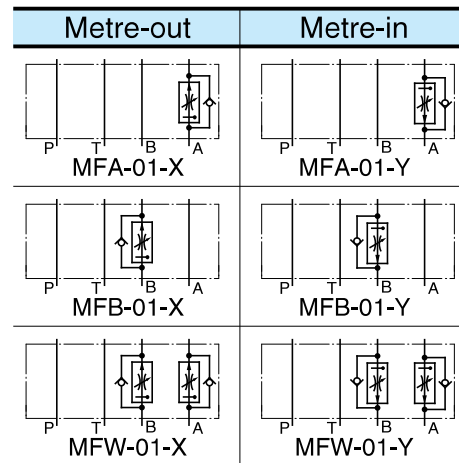
Instructions

- 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.

Graphic Symbols



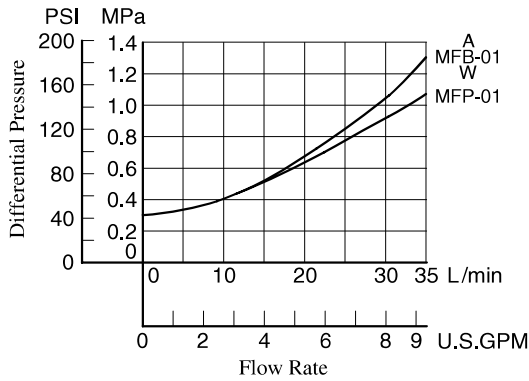
MFP-01



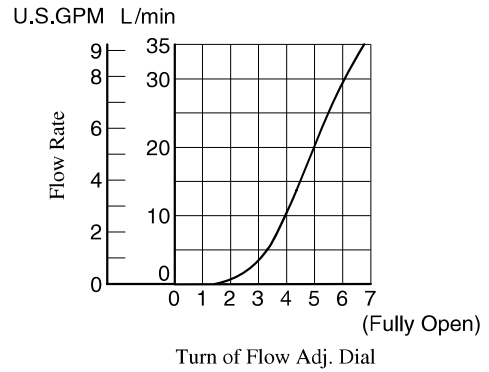
Typical Performance Characteristics

Hydraulic Fluid: Viscosity 35 mm²/s (164 SSU), Specific Gravity 0.850

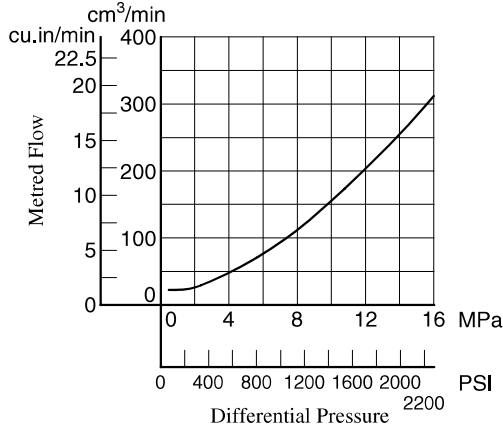
Min. Required Pressure Difference



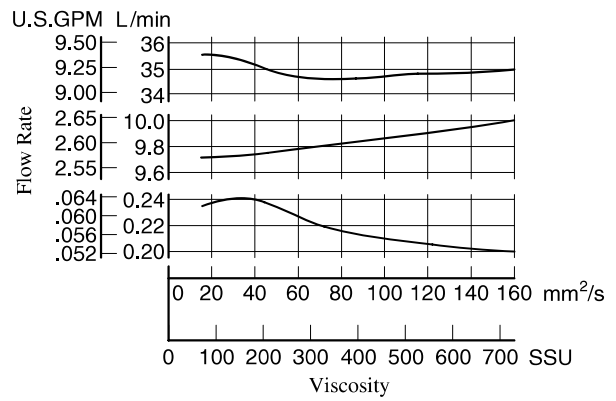
Metred Flows vs. Dial Position



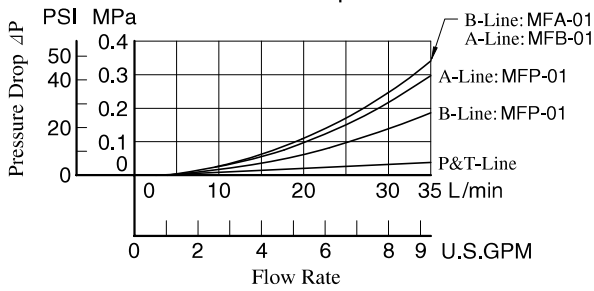
Min. Metred Flow



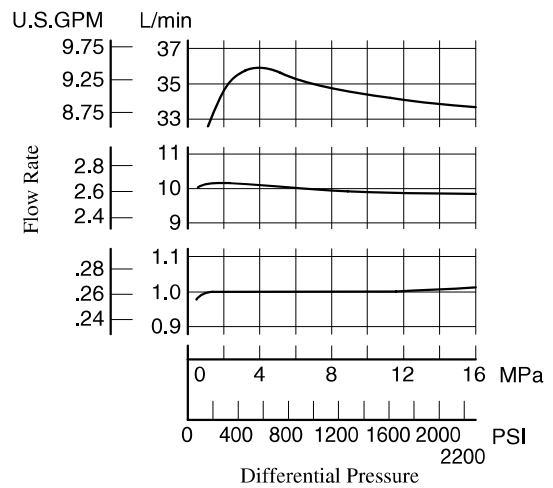
Metred Flow vs. Viscosity



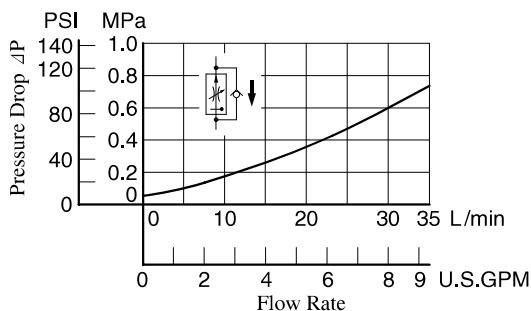
Pressure Drop



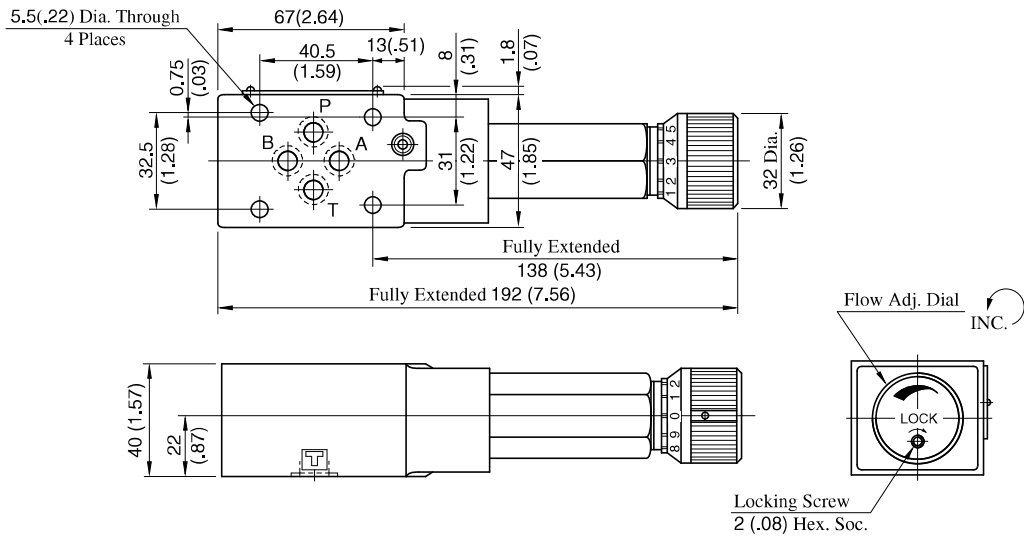
Metred Flow vs. Differential Pres.



Pressure Drop for Free Flow

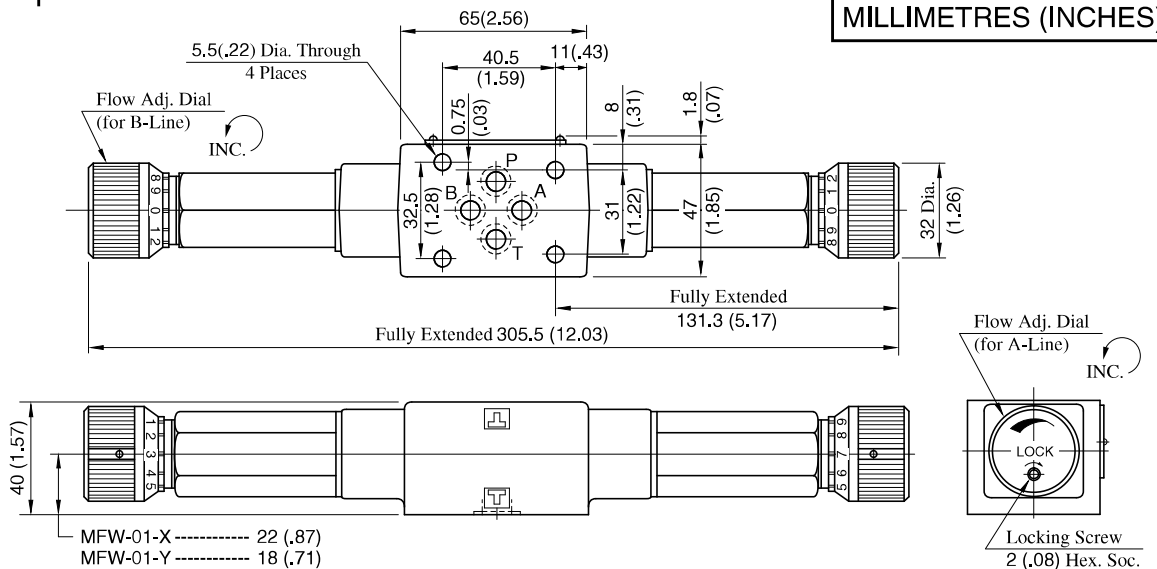


MFP-01-10



Approx. Mass..... 1.7 kg (3.8 lbs.)

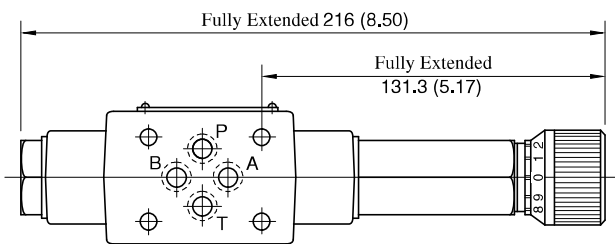
MFW-01-X-10



**DIMENSIONS IN
MILLIMETRES (INCHES)**

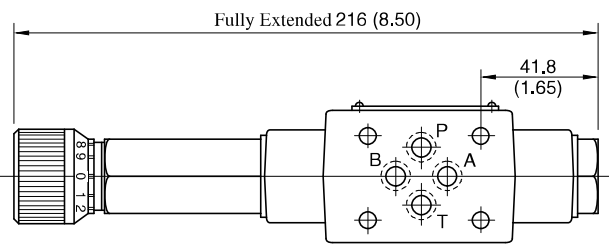
Approx. Mass..... 2.1 kg (4.6 lbs.)

MFA-01-X-10



Approx. Mass..... 1.6 kg (3.5 lbs.)

MFB-01-X-10



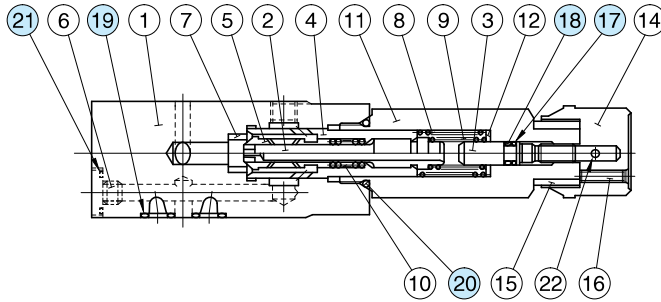
Approx. Mass..... 1.6 kg (3.5 lbs.)

• For other dimensions, refer to "MFW-01" drawing above.

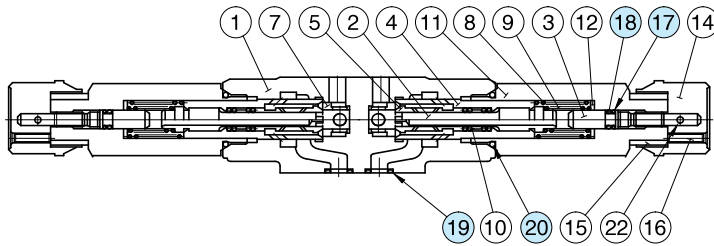


■ Spare Parts List

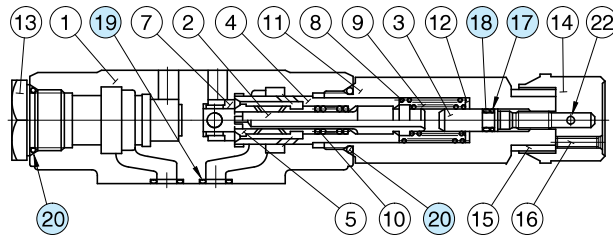
MFP-01-10



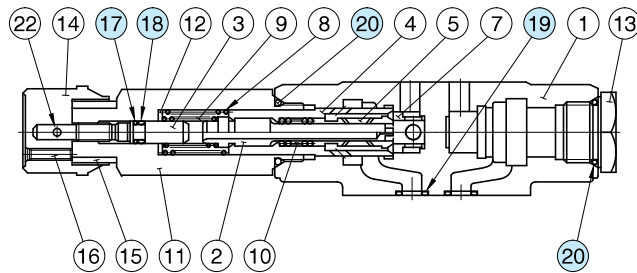
MFW-01-X_Y-10



MFA-01-X_Y-10



MFB-01-X_Y-10



● List of Seals

Item	Name of Parts	Part Numbers	Quantity			
			MFP-01	MFA-01	MFB-01	MFW-01
17	Back Up Ring	SO-BB-P6	1	1	1	2
18	O-Ring	SO-NA-P6	1	1	1	2
19	O-Ring	SO-NB-P9	4	4	4	4
20	O-Ring	SO-NB-P18	1	2	2	2
21	O-Ring	SO-NB-P10	1	—	—	—

Note: When ordering seals, please specify the seal kit number from the table right.

● List of Seal Kits

Valve Model Numbers	Seal Kit Numbers
MFP-01	KS-MFP-01-10
MFA-01	KS-MFA-01-10
MFB-01	
MFW-01	KS-MFW-01-10