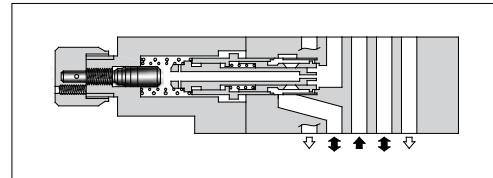


## Pressure and Temperature Compensated Flow Control (and Check) Modular Valves

### 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-03-11	16 (2320)	50 (13.2)	—
MFA-03-*-11 MFB-03-*-11 MFW-03-*-11			70 (18.5)



### Model Number Designation

F-	MFA	-03	-X	-11	*
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	03	—	11	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	11	

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

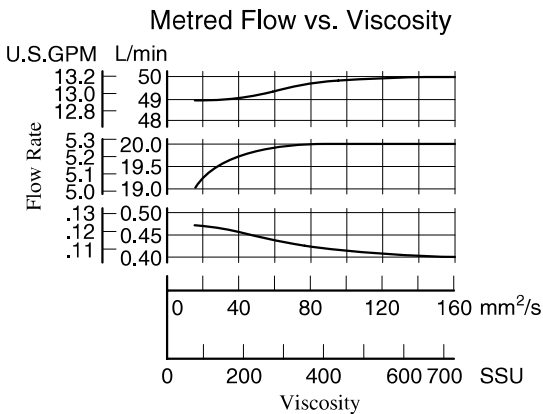
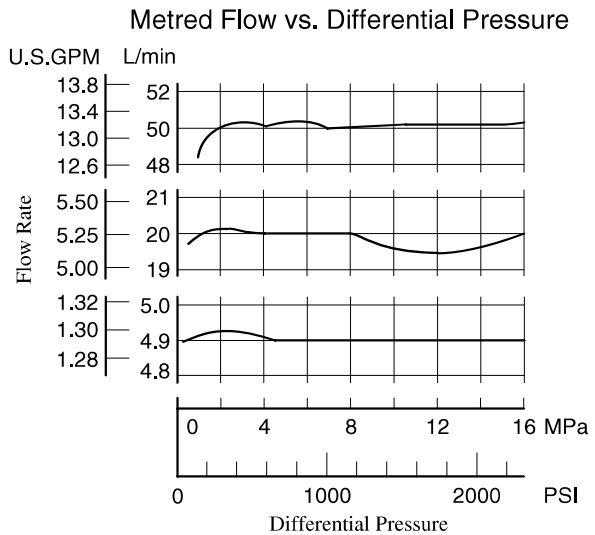
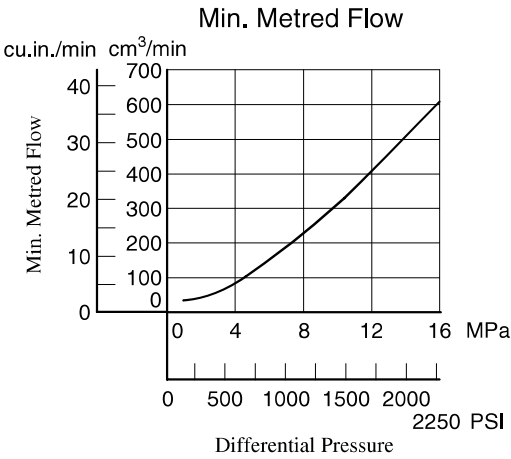
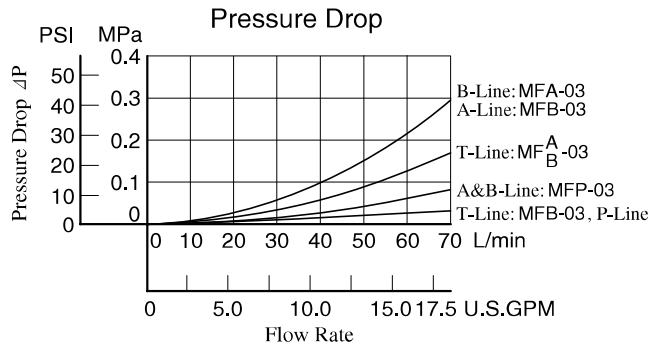
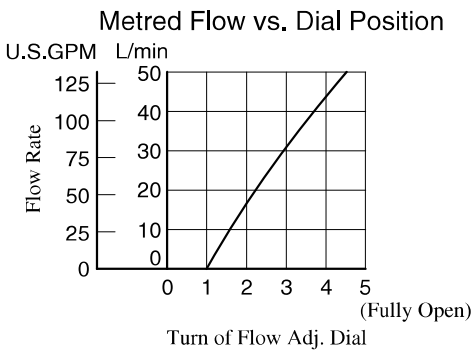
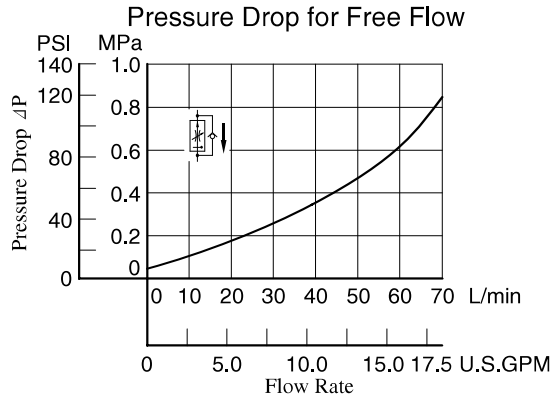
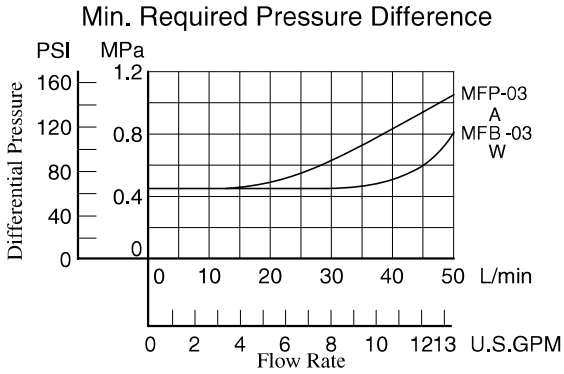
### Instructions

- 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.

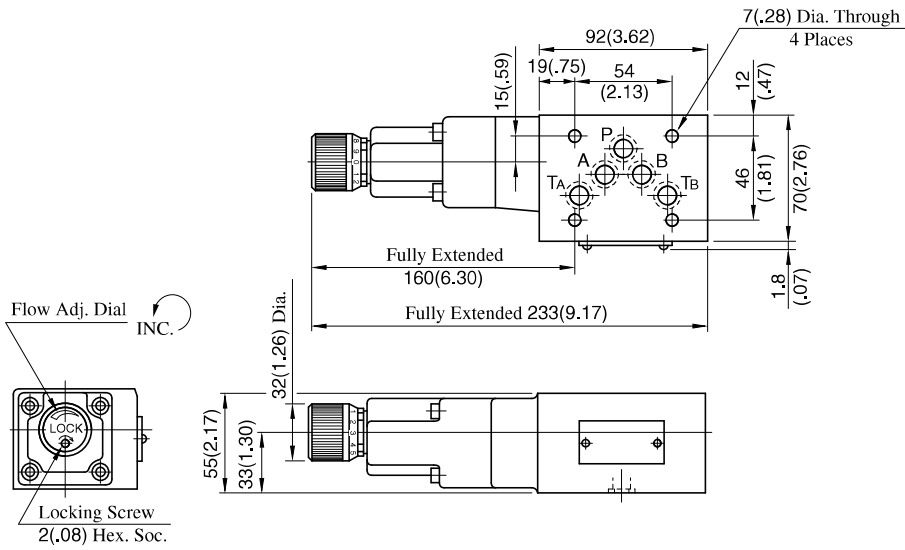
Model No.	Graphic Symbols	Detailed Graphic Symbols	Model No.	Graphic Symbols	Detailed Graphic Symbols
MFP-03					
Model No.	Metre-out		Metre-in		
MFA-03-X			MFA-03-Y		
MFB-03-X			MFB-03-Y		
MFW-03-X			MFW-03-Y		

**Typical Performance Characteristics**

Hydraulic Fluid: Viscosity 35 mm<sup>2</sup>/s (164 SSU), Specific Gravity 0.850



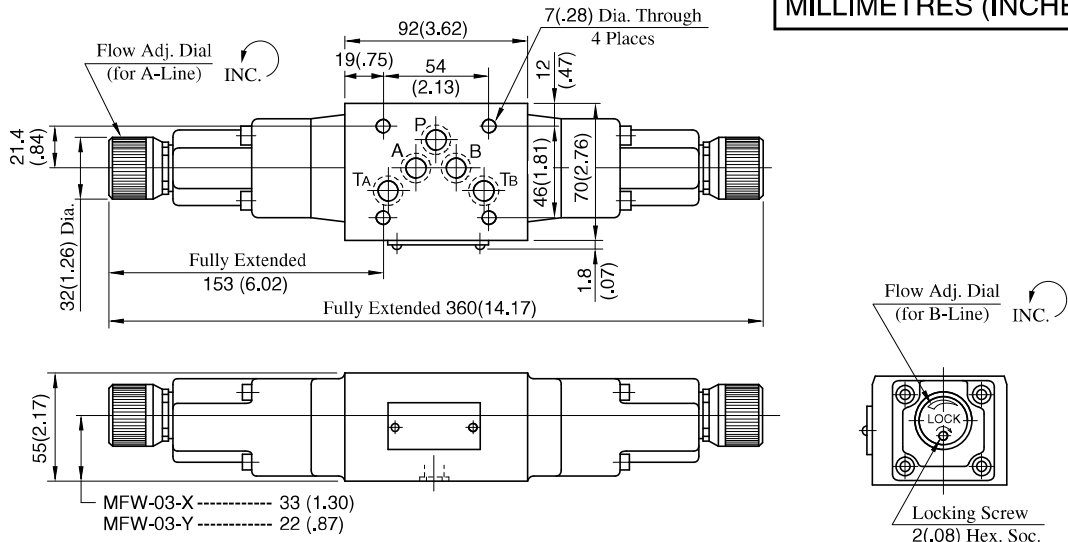
## MFP-03-11



Approx. Mass..... 4.2 kg (9.3 lbs.)

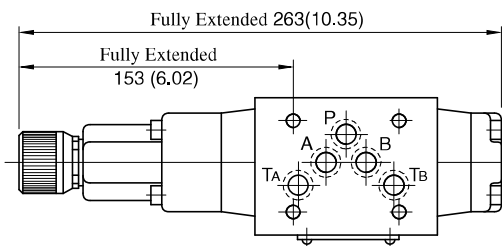
## MFW-03-X-Y-11

**DIMENSIONS IN MILLIMETRES (INCHES)**



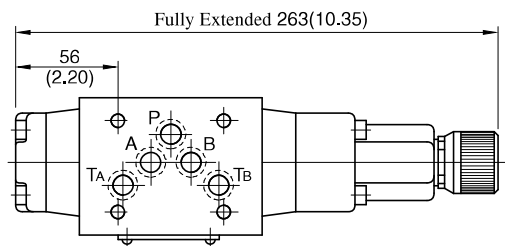
Approx. Mass..... 5.2 kg (11.5 lbs.)

## MFA-03-X-Y-11



Approx. Mass..... 4.1 kg (9.0 lbs.)

## MFB-03-X-Y-11

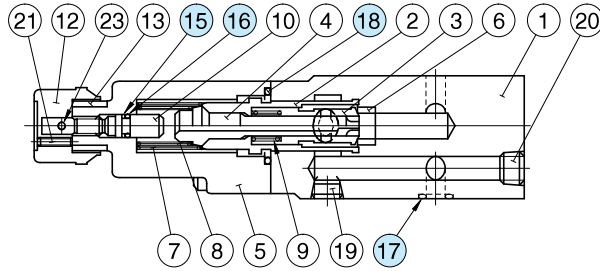


Approx. Mass..... 4.1 kg (9.0 lbs.)

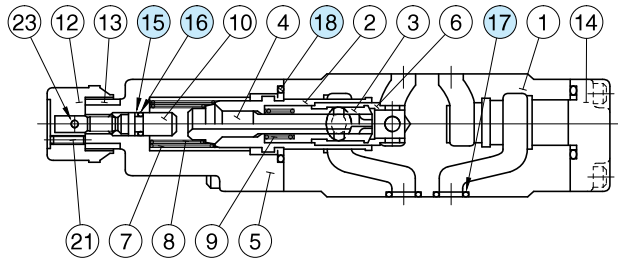
• For other dimensions, refer to "MFW-03" drawing above.

■ Spare Parts List

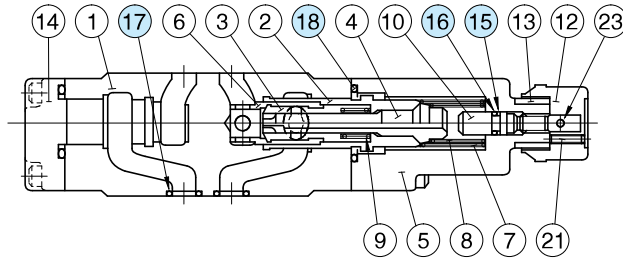
MFP-03-11



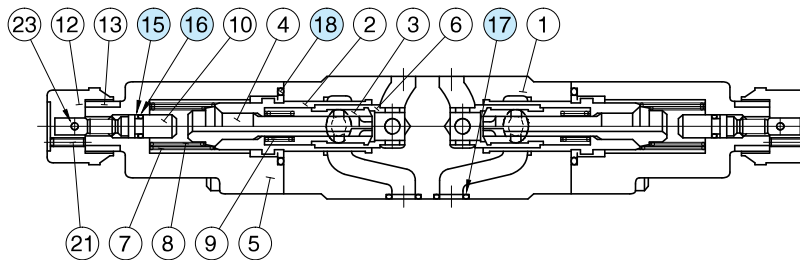
MFA-03-X-11



MFB-03-X-11



MFW-03-X-11



● List of Seals

Item	Name of Parts	Part Numbers	Quantity			
			MFP-03	MFA-03	MFB-03	MFW-03
15	Back Up Ring	SO-BB-P6	1	1	1	2
16	O-Ring	SO-NA-P6	1	1	1	2
17	O-Ring	SO-NB-A014	5	5	5	5
18	O-Ring	SO-NB-P28	1	2	2	2

● List of Seal Kits

Valve Model Numbers	Seal Kit Numbers
MFP-03	KS-MFP-03-10
MFA-03	KS-MFA-03-10
MFB-03	
MFW-03	KS-MFW-03-10

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