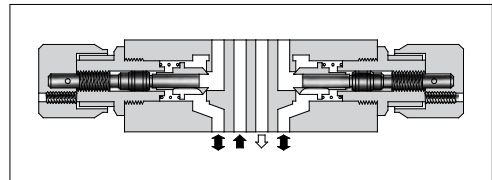


Temperature Compensated Throttle and Check Modular Valves

Specifications

Model Numbers	Max. Operating Pressure MPa (PSI)	Max. Differential Pressure MPa (PSI)	Max. Metred Flow L/min (U.S.GPM)	Min. Metred Flow L/min (U.S.GPM)	Max. Free Flow L/min (U.S.GPM)
MSTA-01-X-10 MSTB-01-X-10 MSTW-01-X-10	31.5 (4570)	14 (2030)	35 (9.25)	0.5 (.13)	35 (9.25)



Model Number Designation

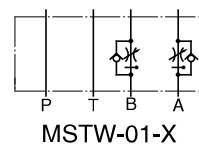
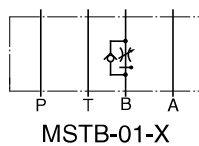
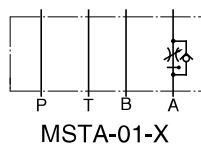
F-	MSTA	-01	-X	-10	*
Special Seals	Series Number	Valve Size	Direction of Flow	Design Number	Design Standard
F: Special Seals for Phosphate Ester Type Fluids (Omit if not required)	MSTA : Temperature Compensated Throttle and Check Valve for A-Line MSTB : Temperature Compensated Throttle and Check Valve for B-Line MSTW : Temperature Compensated Throttle and Check Valve for A&B-Lines	01	X : Metre-out	10	Refer to ★

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

Instructions

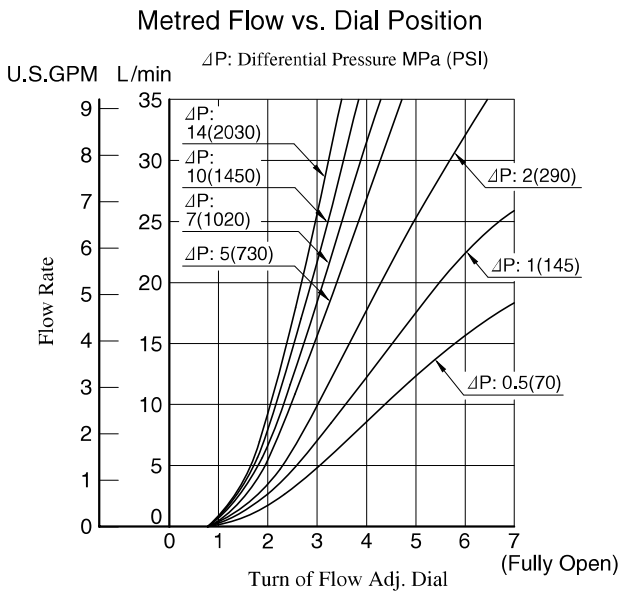
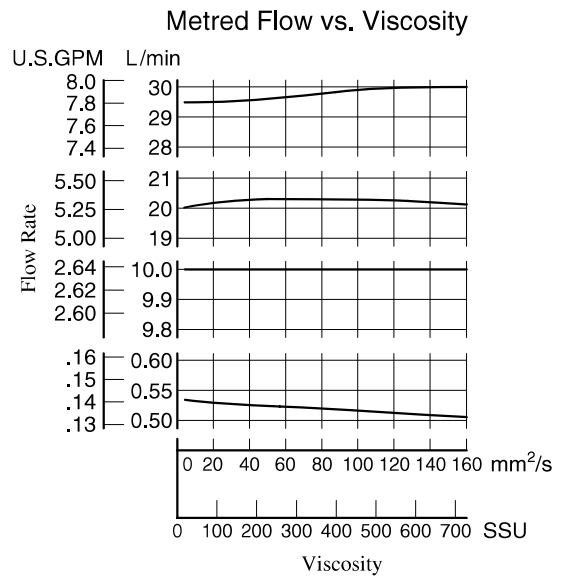
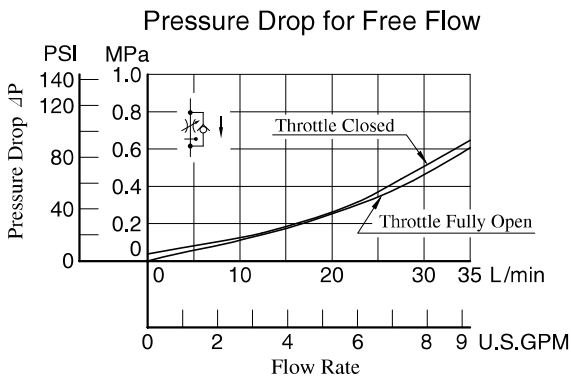
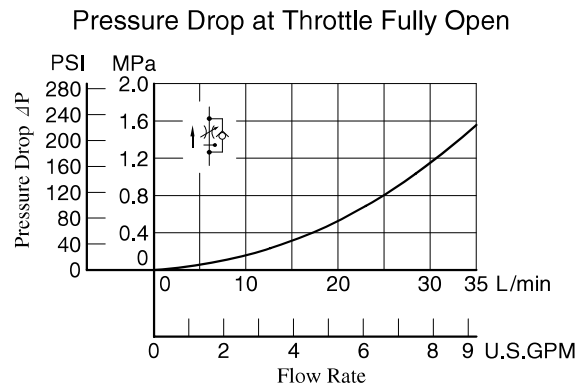
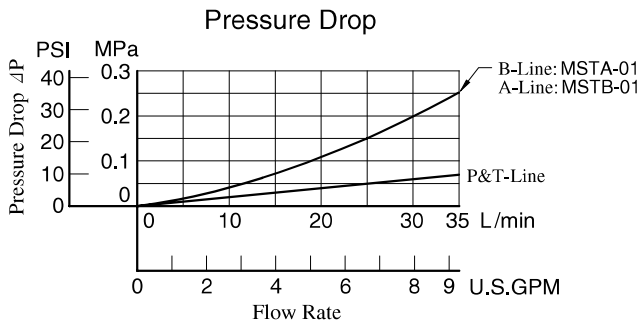
- To make flow rate adjustment, loosen locking screw for the dial and turn the flow adjustment dial clockwise or anti-clockwise. For a decrease of flow, turn the dial clockwise. Be sure to re-tighten the locking screw firmly after the adjustment of the flow rate.

Graphic Symbols



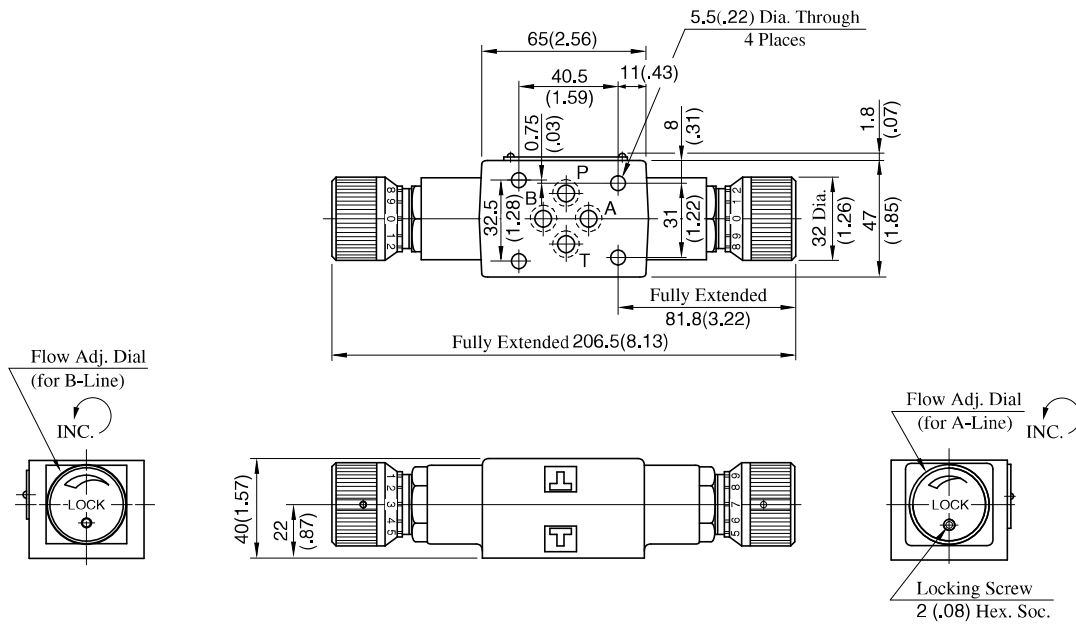
Typical Performance Characteristics

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



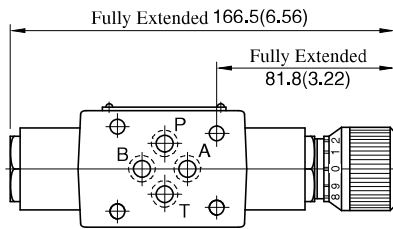
MSTW-01-X-10

**DIMENSIONS IN
MILLIMETRES (INCHES)**



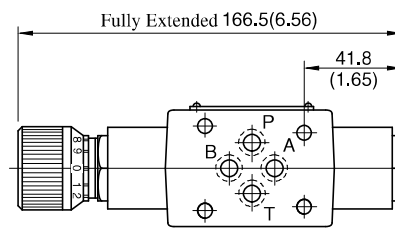
Approx. Mass..... 1.5 kg (3.3 lbs.)

MSTA-01-X-10



Approx. Mass..... 1.3 kg (2.9 lbs.)

MSTB-01-X-10



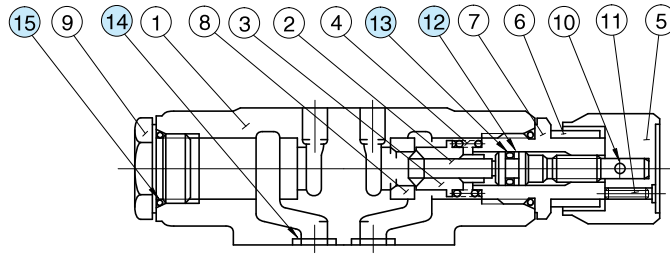
Approx. Mass..... 1.3 kg (2.9 lbs.)

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

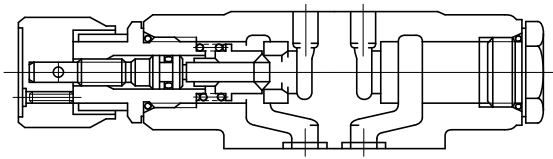


■ Spare Parts List

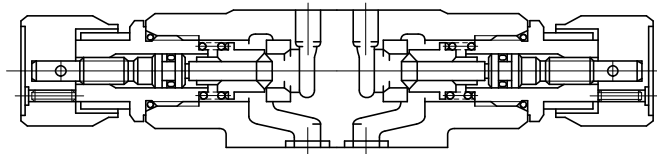
MSTA-01-X-10



MSTB-01-X-10



MSTW-01-X-10



● List of Seals

Item	Name of Parts	Part Numbers	Quantity		
			MSTA	MSTB	MSTW
12	Back Up Ring	SO-BB-P6	1	1	2
13	O-Ring	SO-NA-P6	1	1	2
14	O-Ring	SO-NB-P9	4	4	4
15	O-Ring	SO-NB-P18	2	2	2

● List of Seal Kits

Valve Model Numbers	Seal Kit Numbers
MSTA-01	KS-MFA-01-10
MSTB-01	
MSTW-01	KS-MFW-01-10

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