

Temperature Compensated Throttle and Check Modular Valves

Specifications

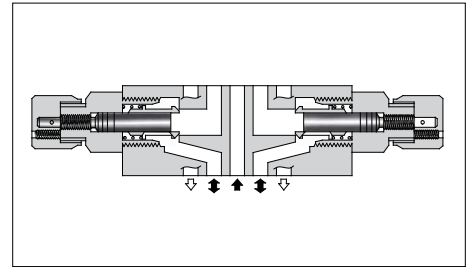
Model Numbers	Max. Operating Pressure MPa	Max. Differential Pressure MPa	Max. Metered Flow L/min	Min. Metered Flow L/min	Max. Free Flow L/min
MST*-03-X-20	25	25	70	2 (1)*	70

*The figures in parentheses are the values when the differential pressure is less than 3.5 MPa.

Model Number Designation

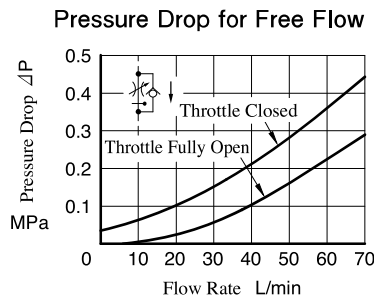
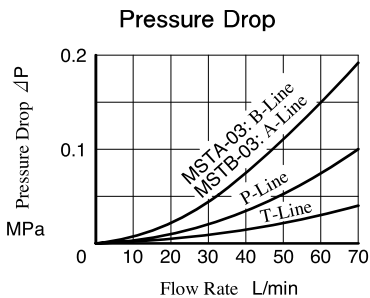
MSTA	-03	-X	-20
Series Number	Valve Size	Direction of Flow	Design Number
MSTA: for A-Line MSTB: for B-Line MSTW: for A&B-Lines	03	X: Meter-out	20

Temperature Compensated Throttle and Check Valve

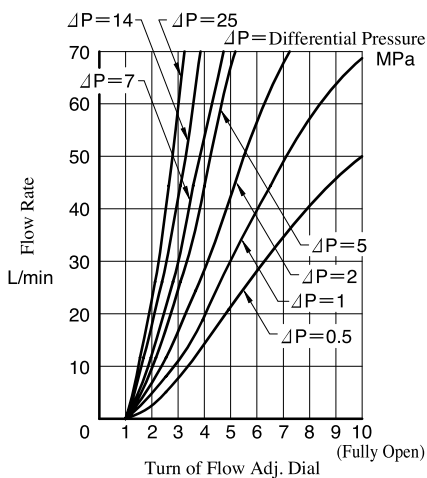


Typical Performance Characteristics

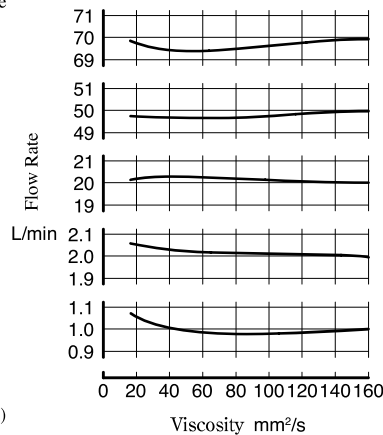
Hydraulic Fluid: Viscosity 35 mm²/s, Specific Gravity 0.850



Metered Flow vs. Dial Position



Metered Flow vs. Viscosity

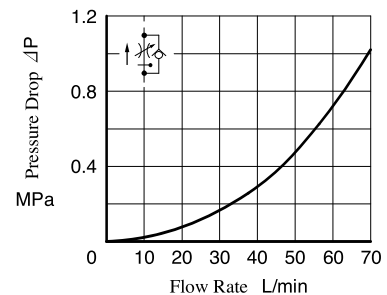


Model Numbers	Graphic Symbols	Detailed Graphic Symbols
	Meter-out	
MSTA-03-X		
MSTB-03-X		
MSTW-03-X		

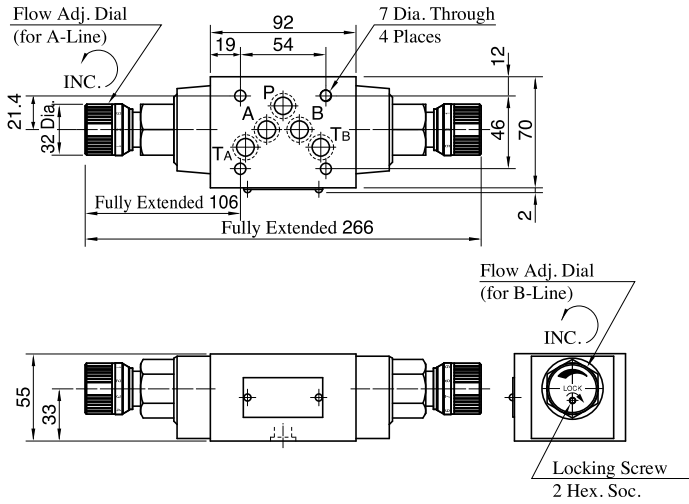
Instructions

- 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 at Throttle Fully Open

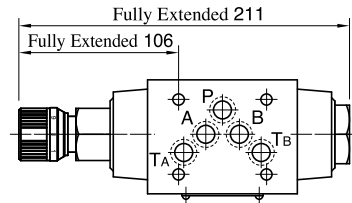


MSTW-03-X



Approx. Mass.....3.7 kg

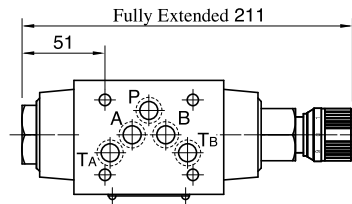
MSTA-03-X



Approx. Mass.....3.5 kg

For other dimensions, refer to "MSTW-03" in the drawing left.

MSTB-03-X

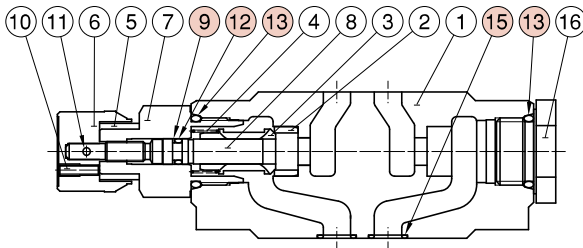


Approx. Mass.....3.5 kg

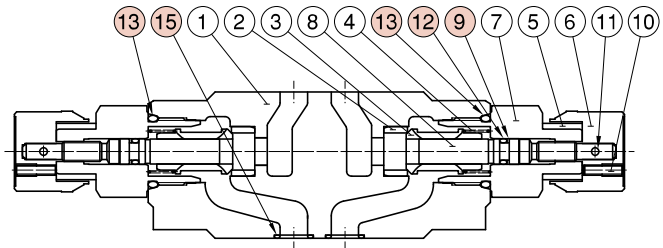
For other dimensions, refer to "MSTW-03" in the drawing left.

List of Seals

**MSTA-03-X
MSTB-03-X
MSTW-03-X**



MSTA-03-X



MSTW-03-X

●MSTB-03-X : The pressure adjustment part is built in the right side.

Item	Name of Parts	Part Numbers	Qty.		
			MSTA-03	MSTB-03	MSTW-03
9	Back-up Ring	900-VK411915-2	1	1	2
12	O-Ring	OR NBR-70-1 P7-N	1	1	2
13	O-Ring	OR NBR-90 P24-N	2	2	2
15	O-Ring	AS568-014 (NBR-90)	5	5	5