01 Series Modular Valves

Class	Name and Model Numbers	Graphic Symbols	Page	Class	ss Name and Model Numbers		Graphic Symbols	
Solenoid Operated Directional Valve (S-) DSG-01-***-70 E-DSG-01-***-D*-70 T-DSG-01-***-D24*-70 G-DSG-01-***-51		P T B A	*		Throttle Valves (for "P-Line") MSP-01-50 Throttle Valves (for "T-Line") MST-01-50	+		F-29 F-29
	Releif Valves (for "P-Line") MBP-01-*-70		F-12		Check and Throttle Valves (for "P-Line") MSCP-01-30	*		F-30
	Releif Valves (for "A-Line") MBA-01-*-70		F-12		Throttle and Check Valves (for "A-Line", Meter-out) MSA-01-X-70			F-31
	Releif Valves (for "B-Line") MBB—01—*—70		F-12	Valves	Throttle and Check Valves (for "A-Line", Meter-in) MSA-01-Y-70			F-31
	Reducing Valves (for "P-Line") MRP-01- *-70		F-14	Control Valves	Throttle and Check Valves (for "B-Line", Meter-out) MSB-01-X-70		₩	F-31
	Reducing Valves (for "A-Line") MRA — 01 — * — 70		F-14	Flow C	Throttle and Check Valves (for "B-Line", Meter-in) MSB-01-Y-70		€#-	F-31
	Reducing Valves (for "B-Line") MRB—01— * —70		F-14		Throttle and Check Valves (for "A&B-Lines", Meter-out) MSW-01-X-70		W 16	F-31
Valves	Two Pressure Reducing Valves (for "P-Line")		F-16		Throttle and Check Valves (for "A&B-Lines", Meter-in) MSW-01-Y-70		€# #\$	F-31
ontrol	MRDP-01-*-*-*-10	<u> </u>			Throttle and Check Valves (for "A&B-Lines", Meter-out, Meter-in) MSW-01-XY-70		**	F-31
Pressure Control Valves	Brake Valves MBR-01-*-30		F-18		Throttle and Check Valves (for "A&B-Lines", Meter-in, Meter-out) MSW-01-YX-70		OH 143	F-31
	Sequence Valves (for "P-Line") MHP-01-**-70		F-19		Check Valves (for "P-Line") MCP-01-*-70	*		F-33
	Counterbalance Valves (for "A-Line") MHA-01-*-70 Counterbalance Valves		F-19		Check Valves (for "A-Line") MCA-01-*-70		*	F-33
	(for "B-Line") MHB-01-*-70 Pressure Switch Valves		F-19	SS	Check Valves (for "B-Line") MCB-01-*-70		*	F-33
	(for "P-Line") MJP-01-*-*-10 Pressure Switch Valves		F-22	ol Valves	Check Valves (for "T-Line") MCT-01-*-70		*	F-33
	(for "A-Line") MJA-01-*-*-10 Pressure Switch Valves		F-22	Control	Check Valves (for "A&B-Line")		*	F-33
	(for "B-Line") MJB-01-*-*-10 Pressure Switch Valves		F-22	ctional	MCW-01-*-70 Anti-Cavitation Valves MAC-01-30		• • •	F-35
	(for "A&B-Line") MJW-01-J-*-10 Flow Control Valves	***************************************	F-22	Directio	Pilot Operated Check Valves (for "A-Line")			F-36
Flow Control Valves	(for "P-Line") MFP-01-10 Flow Control and Check Valves		F-25		MPA-01-*-*-70 Pilot Operated Check Valves (for "B-Line")			F-36
	(for "A-Line", Meter-out) MFA-01-X-10 Flow Control and Check Valves		F-25		MPB-01-*-*-70 Pilot Operated Check Valves (for "A&B-Lines")		F	F-36
	(for "A-Line", Meter-in) MFA-01-Y-10 Flow Control and Check Valves		F-25	H	MPW-01-*-*-70 End Plates (Blocking Plates))	T	<u> </u>	F-38
	(for "B-Line", Meter-out) MFB-01-X-10 Flow Control and Check Valves		F-25	Bolts	MDC-01-A-30 End Plates (Bypass plates) MDC-01-B-30			F-38
	(for "B-Line", Meter-in) MFB-01-Y-10 Flow Control and Check Valves		F-25	Mounting Bolts	MDC-01-B-30 Connecting Plates (for "P&A-Lines")			F-38
	(for "A&B-Lines", Meter-out) MFW-01-X-10 Flow Control and Check Valves		F-25	and Mou	MDS-01-PA-30 Connecting Plates (for "P&B-Lines")			F-38
	(for "A&B-Lines", Meter-in) MFW-01-Y-10 Temperature Compensated Throttle and		F-25	lates ar	MDS-01-PB-30 Connecting Plates (for "A&T-Lines")			F-38
	Check Valves (for "A-Line", Meter-out) MSTA-01-X-10 Temperature Compensated Throttle and		F-27	Modular Plates	MDS-01-AT-30 Base Plates			
	Check Valves (for "B-Line", Meter-out) MSTB-01-X-10 Temperature Compensated Throttle and		F-27	Moc	MMC-01-*-40 Bolt Kits			F-39 F-41
	Check Valves (for "A&B-Lines", Meter-out) MSTW-01-X-10	E: Directional Control Val	F-27		Bolt Kits MBK-01-*-70			

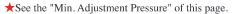
Relief Modular Valves

Specifications

Model Numbers	Max. Operating Pressure MPa	Max. Flow L/min	
MB *-01-*-*-70	35	60	

Model Number Designation

MBP	-01	-B	-B	-70	
Series Number	Valve Size	Pres. Adj. Range MPa	Pres. Adj. Screw Position	Design Number	
MBP: Relief Valve for P-Line	01	B: ★-7 C: 3.5-14	None: A Port Side B: B Port Side	70	
MBA: Relief Valve for A-Line MBB: Relief Valve for B-Line	01	H: 7-21 K: 14-35	_	/0	

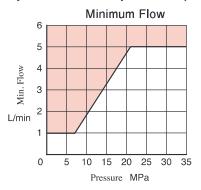


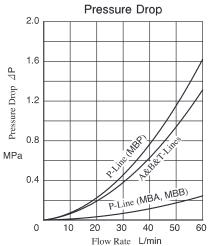
Instructions

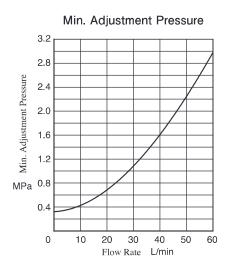
- The minimum adjustment pressure equals the value obtained from the minimum adjustment pressure characteristics plus the tank line back pressure of this page. This back pressure should include the value of the T-line pressure drop characteristics of the valves stacked to the base plate side of the modular valve.
- ●To make pressure adjustment, loosen the lock nut and turn the pressure adjustment screw clockwise or anti-clockwise. For an increase of pressure, turn the screw clockwise. Be sure to re-tighten the lock nut firmly after making adjustment to the pressure.
- In case of a small flow, the setting pressure may become unstable. To avoid this, refer to the minimum flow characteristic curve of the next page and use the valve within a range as shown with
 .

Typical Performance Characteristics

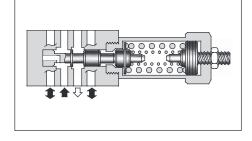
Hydraulic Fluid: Viscosity 35 mm²/s, Specific Gravity 0.850



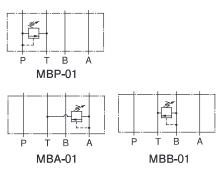




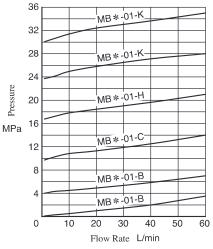


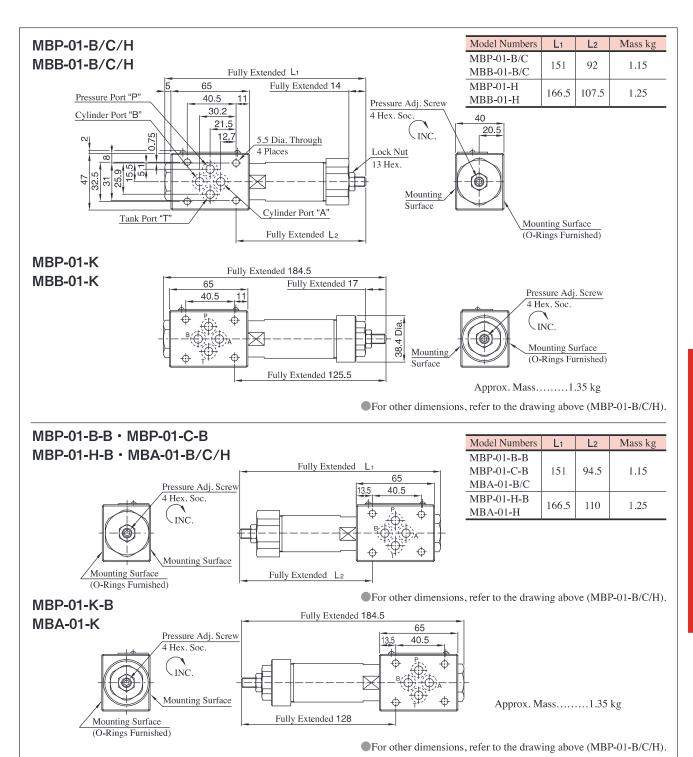


Graphic Symbols



Nominal Override Characteristics





List of Seals

