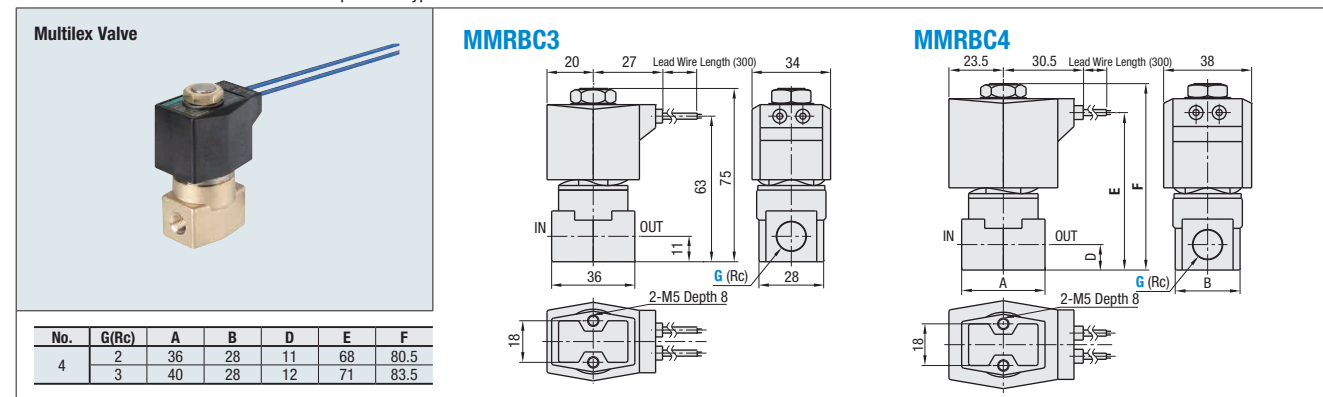


Multilex Valve / Solenoid Valves (Pilot-Kick) / Silencer

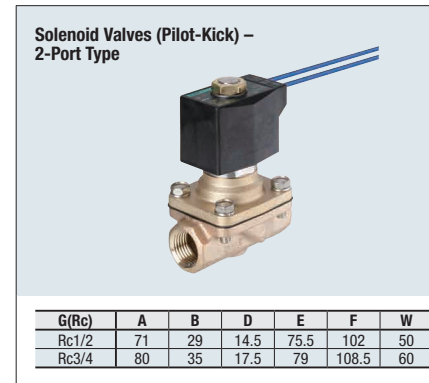
2-Port Type

We have included versatile Multilex Valves and pilot kick type Solenoid Valves in stock.



Part Number	G (Rc)	Rated Voltage (V)	Orifice Diameter (mm)	Max. Operating Pressure Differential (MPa)			Max. Operating Pressure (MPa)	Flow Rate Characteristics			Power Consumption (W)				Mass (kg)	
				Air	Water / Warm Water / Kerosene	Oil (50 mm ² /S)		AC 50/60 Hz	AC 50 Hz	AC 60 Hz	AC 50 Hz	AC 60 Hz				
MMRBC	3	1 (Rc1/8)	B	3.0	1.0	0.7	0.5	1.1	0.52	0.31	5.2/3.8	12	10	17	14	0.35
	2	2 (Rc1/4)	C	4.0	1.0	0.7	0.5	2.10	0.48	0.54	6.7/5.7	18	15	29	24	0.43
	4	3 (Rc3/8)	(200 VAC)													

⊖ C=[dm²/(s · bar)] ⊕ Normally closed.



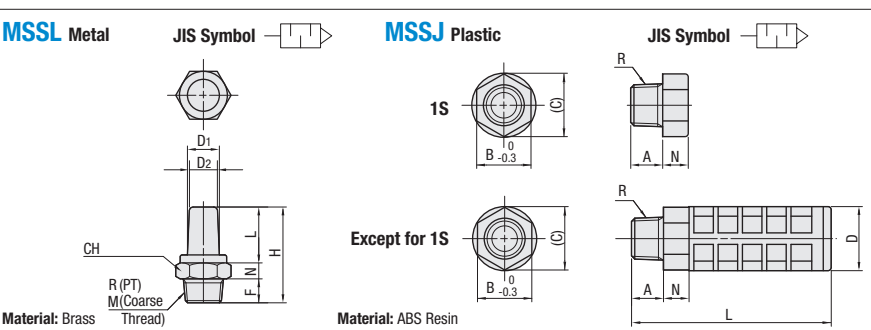
Part Number	G (Rc)	Rated Voltage (V)	Orifice Diameter (mm)	Min. Operating Pressure Differential (MPa)	Max. Operating Pressure Differential (MPa)			Flow Rate Characteristics				Apparent Power				Mass (kg)						
					Air	Water / Kerosene	Oil (50 mm ² /S)	C	b	Cv	S (mm ²)	AC 50/60 Hz	AC 50 Hz	AC 60 Hz	AC 50 Hz		AC 60 Hz					
MDPN	2 (Rc1/4)	B	12	0	1	1	0.7	9.2	0.36	2.0	10/8	24	19	61	54	0.65						
	3 (Rc3/8)	C	12					11	0.46	2.4							10/8.5	25	21	84	75	1.00
	4 (Rc1/2)	C	16					20	0.31	4.5												
	6 (Rc3/4)	C	23					—	—	8.6												

⊖ C=[dm²/(s · bar)] ⊕ Normally closed.

Part Number Example	Part Number	G(Rc)	Rated Voltage (V)
MMRBC3	2	B	
MDPN1	4	B	



Part Number	R (PT)	D ₁	D ₂	N	F	L	H	CH (Width Across Flats)	Effective Sectional Area (mm ²)	
MSSL	1	R1/8	8	7	4	6	14	24	12	20
	2	R1/4	12	10	4	8	18	30	16	45
	3	R3/8	14	11	5	9	21	35	18	86
	5	M5	5	4	3	5	12	20	8	2



Part Number	R	A	B (C)	D	L	N	Effective Sectional Area (mm ²)		
MSSJ	1	R1/8	7	14	16.1	33	7	12	
	1S	R1/8	10	10	—	—	6	12	
	2	R1/4	10	17	19.6	20.1	62.5	8	40
MSSJ	2S	R1/4	10	14	16.2	16	36	7	20
	3	R3/8	12	24	26	26.3	68	11	63

Material: Brass

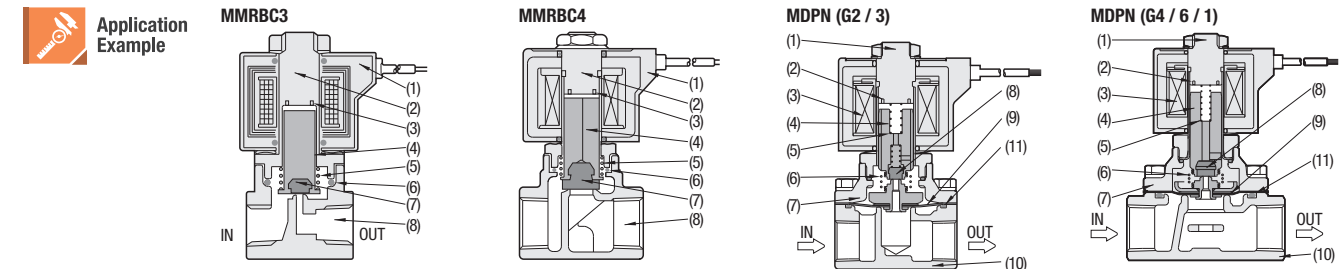
Material: ABS Resin

RoHS10

RoHS10

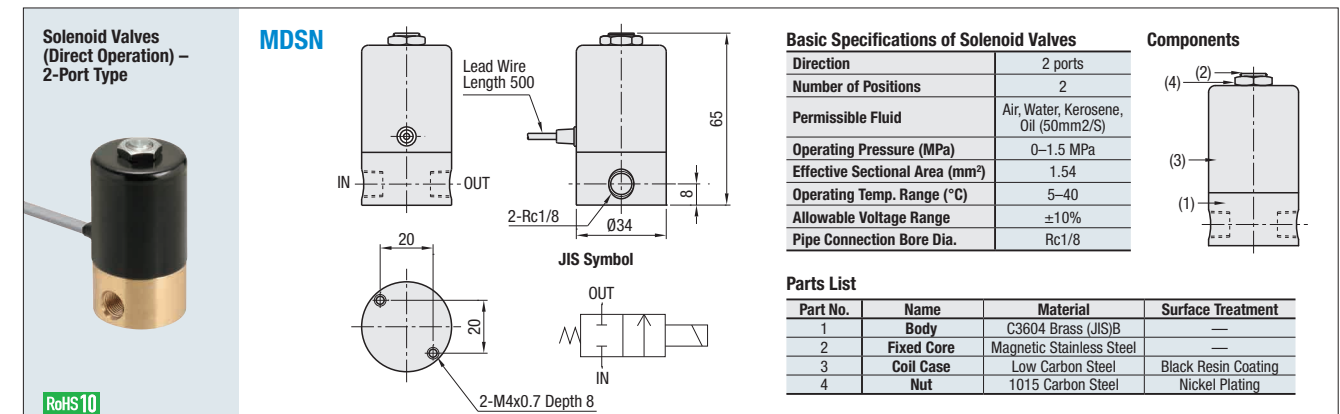
Solenoid Valves (Direct Operation)

2-Port Type

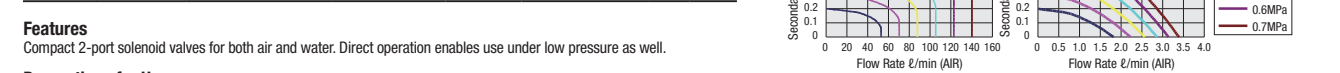


Part No.	Name	Material	Part No.	Name	Material
1	Coil	—	5	Plunger Spring	304 Stainless Steel
2	Core Assembly	405 Stainless Steel or Equivalent	6	O-Ring	NBR Rubber
3	Shading Coil	Cu	7	Seal	NBR Rubber
4	Plunger	405 Stainless Steel or Equivalent	8	Body	C3771 Brass

Part Number	MMRBC	MDPN
Applicable Fluid	Air / Vacuum [(1.33 x 10 ⁵ Pa(abs))] / Water / Kerosene / Oil (50 mm ² /S or Low)	—
Operating Pressure Differential Range (MPa)	0-5 (Size Dependent)	0-1.0 (Size Dependent)
Max. Operating Pressure (MPa)	—	—
Pressure Resistance (MPa)	25 (with Water)	4 (with Water)
Fluid Medium Temp. (°C)	—	-10-60°C (Not to be frozen)
Ambient Temperature (°C)	-20-60	-10-60
Heat Resistance Class	B	
Environment	No corrosive or explosive gases in surroundings	
Valve Structure	Direct Poppet Design	Pilot Type Poppet Design Diaphragm Driven
Valve Seat Leakage (cm ³ /min) (AIR)	0.2 or Less (with Air)	1 or Less (with Air)
Mounting Orientation	Flexible	
Body / Seal - Materials	Brass / Nitrile Rubber	



Part No.	Name	Material	Surface Treatment
1	Body	C3604 Brass (JIS)B	—
2	Fixed Core	Magnetic Stainless Steel	—
3	Coil Case	Low Carbon Steel	Black Resin Coating
4	Nut	1015 Carbon Steel	Nickel Plating



Features
Compact 2-port solenoid valves for both air and water. Direct operation enables use under low pressure as well.

Precautions for Use
Operating Environment
- Use the solenoid valves at temperatures between 5 and 40°C. Avoid any use and storage in a corrosive atmosphere.
- Keep the solenoid valves away from strong impacts and vibrations. They may be closed from being open, and vice versa.

Fluid Quality
- When compressed air is used as a fluid, remove drainage and dust through an air filter.
- When the fluid is water, remove grit and rust inside a pipe through a filter. Do not run poor quality water.

Installation
- Install the Solenoid Valves horizontally with the coil part upward.
- The body might be damaged if the M4 screws are excessively tightened up.

Plumbing
- Before plumbing, cleanse and flush the valves thoroughly to remove cutting chips, dust and cutting oil.
- Make sure that plumbing will not cause a strong turbulence on the IN side.

Maintenance
- Do not disassemble the solenoid valves.

