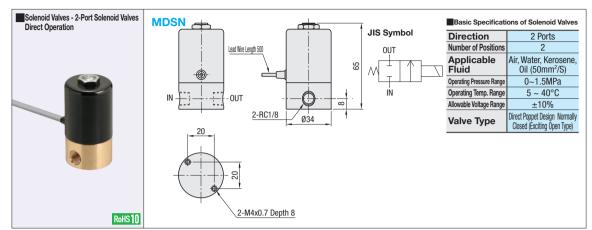
2-Port Solenoid Valves / Multilex Valves

Direct Operation / Pilot-Operated



Part	Rated Voltage	Rated Voltage(mA)	Pipe Connection	Orifice Dia.	Effective Sectional	C.,	Mass	Unit Price		ompon	ent List		Components
Number		50/60Hz ` ´	Bore Dia.	(mm)	Area(mm²)	CV	(kg)	Unit Price				S Surface Treatment	(4) (2)
MDON	B(100VAC)	88/73	D-4/0	G4 0	4.54	0.00	0.04		2		C3604B Magnetic Stainless Steel	-	
MDSN	C(200VAC)	43/37	Rc1/8	Ø1.6	1.54	0.09	0.31			Coil Case Nut	SPC S15C	Black Resin Paint Nickel Plating	
Orde Exam		- Rated Voltage (V)											3 + 1

■Features

Compact 2-port solenoid valves for air, water and oil.

Direct operation enables use under low pressure as well.

Easy mount bracket are included.

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.

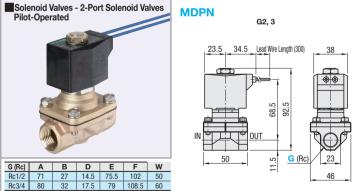
 -Keep the solenoid valves away from strong impacts and vibrations. They may be closed
- from being open, and vice versa.
- Fluid Quality

 When compressed air is used as a fluid, removes 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
- 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 thoroughly the valves to remove cutting chips, dust
- and cutting oil.

 Note that plumbing will not cause a strong turbulence on the IN side.

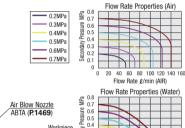
 Maintenance
- Do not disassemble the solenoid valves.



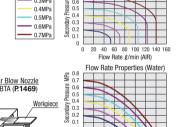
MDPN	
G2, 3	G4, 6
23.5 34.5 Lead Wire Length (300) 38 1N 45 Lead Wire Length (300) 46 1N 46 Length (300) 46 46 Length (300) 47 46 Length (300) 48 47 Length (300) 48 48 Length (30	23.5 34.5 Lead Wire Length (300) 38 G (Rc) B

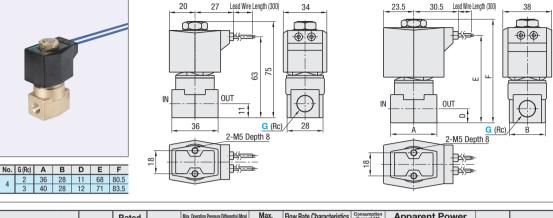
Part Numb	er		Date d Vallance	0.:::- D:-	Min. Operating	Max. Operatir	ng Pressure Dif	ferential (Mpa)	Flow F	Rate Ch	aracte	eristics	Consumption Current (W)	App	arer	it Po	wer	M	Unit	Price
Type	No.	(Rc)	(V)		Rated Voltage Orifice Dia.	(mm)	Differential Air	Air	Air Water,	Oil (50mm²/S)	C*	b	Cv S	AC	Holding Starting		ting		Rated Vo	oltage (V)
.,,,,,		(',	` '	` ′	(Mpa)	2	Kerosene	(50mmr/5)		_	••	(mm³)	50/60Hz	50Hz	60Hz	50Hz	60Hz	` 5,	В	С
	1	2 (Rc1/4)	B	12 (C) 12	0		1 1	1 0.6	9.2	0.36	2.0	-	10/8	24	19	61	54	0.65		
MDPN		3 (Rc3/8)	(100VAC)			1			11	0.46	2.4	-	10/6	24				0.65		
MIDPN		4 (Rc1/2)	C	16					20	0.31	4.5	-	10/8.5	25	21	84	75	0.90		
		6 (Rc3/4)	(200VAC)	23					-	-	8.6	162	10/0.5 25	20	41			1.00		
Normally closed.									*C=	dm3/(s •	bar)]									

Normally closed.









MMRBC4

Part Numb	et Number		Rated Outs - Die		Max. Operating Pressure Differential (Mpa) Max.		Flow Rate Characteristics		Consumption Current (W)	Apparent Power		ver						
Part Numb	ei	(Rc)	voitage	Orifice Dia. (mm)	Air	Water, Warm	Oil	Operating Pressure	C*	b	Cv	AC	Hole	ding	Star	ting	Mass (kg)	Unit Price
Туре	No.	(NC)	(V)	(111111)	AII	Water, Kerosene	(50mm ² /S)	(MPa)		D	CV	50/60Hz	50Hz	60Hz	50Hz	60Hz	(kg)	
MMDDC	3	1 (Rc1/8) 2 (Rc1/4)	(100VAC)	3.0	1.0	0.7	0.5	_	1.1	0.52	0.31	5.2/3.8	12	10	17	14	0.35	
MMRBC	4	2 (Rc1/4) 3 (Rc3/8)	(200VAC)	4.0	1.0	0.7	0.5	5	2.10	0.48	0.54	6.7/5.7	18	15	29	24	0.43 0.45	
Normally close	ed.								? *C:	=[dm ³ /	(s•bar	:)]						

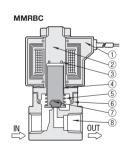
Multilex Valves

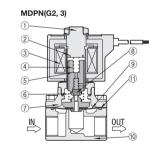
Features: Universal Multilex Valves for various fluids such as air, water and oil, etc.

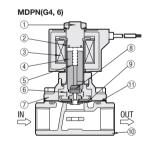
MMRBC3











Com	none	nt	List

	inponent List					
Part Number	Name		Part Number	Name	Material	1
1	Coil	-	(5)	Plunger Spring	SUS304	_
2	Core Assembly	SUS405 Equivalent	6	0-Ring	NBR	_
3	Shading Coil	Cu	7	Seal	NBR	_
-	Dlunger	CHCAGE Equivalent	(0)	Main Dadu	C2771	_

Component List										
Part Number	Name		Part Number	Name						
1	Core Assembly	SUS405 Equivalent / SUS316L / SUS403	7	Stuffing	C3771					
2	Shading Coil	Cu	8	Seal	NBR					
3	Coil	-	9	Diaphragm Assembly	SUS303, 304, NBR					
4	Plunger Assembly	SUS405 Equivalent / SUS304 * / NBR	10	Main Body	CAC407					
(5)	Plunger Spring	SUS304	(1)	0-Ring	NBR					
_	Viole Caring	CHCOUA	* Fan Ca	anastian Diameter De 1/0	0/4 CHC004 is not susilable					

C	-:4:-	

■ Specifications	⑥ Kick Spring	* For Connection Diameter Rc 1/2, 3/4, SUS304 is not available.					
Part Number	MMRBC	MDPN					
Applicable Fluid	Air / Vacuum [(1.33x10 ³ Pa(abs)], Wai	ater, Kerosene, Oil (50mm², S or Less)					
Operating Pressure Difference Range (MPa)	0 ~ 5 (Size Dependent)	0 ~ 1.0 (Size Dependent)					
Max. Operating Pressure (MPa)	•	2					
Pressure Resistance (MPa)	25 (w/Water)	4 (w/Water)					
Fluid Temp. (°C)	-10 ~ 60 (Non-Freezing)						
Ambient Temperature (°C)	-20~60	-10~60					
Heat Resistant Class	E	В					
Atmosphere	No Corrosive or Explosive Gases in Surroundings						
Valve Structure	Direct Poppet Design	Pilot Poppet Design Diaphragm Drive					
Valve Seat Leak (cm³/min) (ANR)	0.2 or Less (w/Air)	1 or Less (w/Air)					
Mounting Orientation	Flexible						
Material (Body, Seal)	Brass Nitrile Rubber						