

Queen

2-way pilot operated diaphragm solenoid valves normally open, energized to close

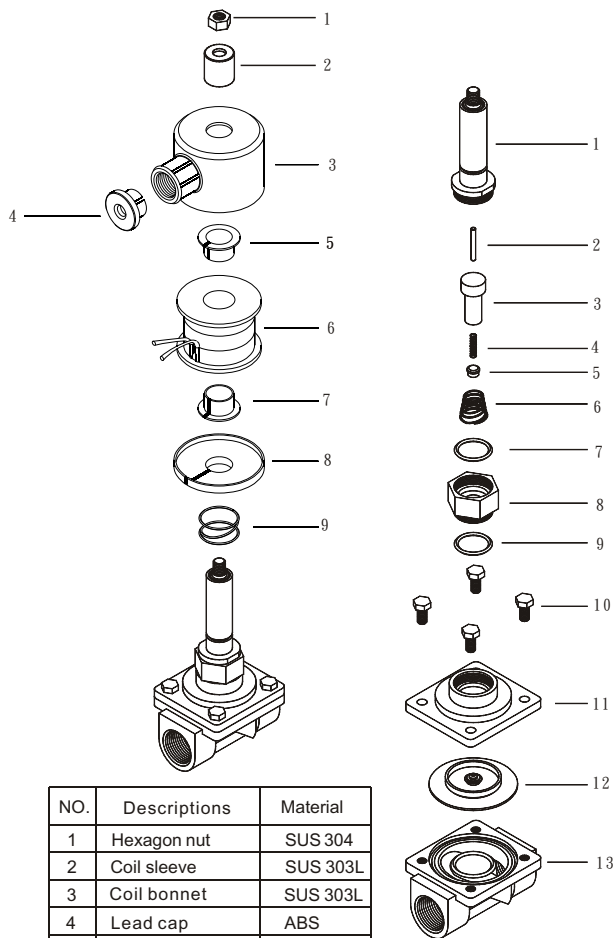


Features:

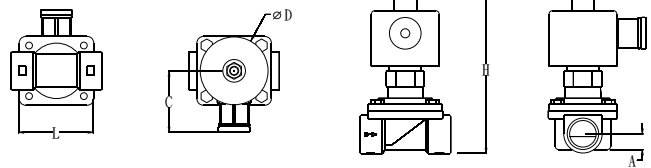
1. Suitable for air, inert gases, vacuum (10 TORR), water, kerosene oil, and oil (Below 50 cst).
2. Pilot operated, pressure range from 0.3kg*f/cm² to 10kg*f/cm².
3. Can be mounted in vertical and horizontal position.

Model	Connection	Orifice (mm)	Cv Value	Operating pressure (kg*f/cm ²)		Max. Media Temp.	Power Consumption VA
				Air, Water Inert gases	Oil (Below 50cst)		
MD-10C	PT 3/8"	16	3.7	0.3-10	0.3-7	90°C	26
MD-15C(SCS ¹³ ₁₄)	PT 1/2"	16	3.7				
MD-20C(SCS ¹³ ₁₄)	PT 3/4"	23	6.3				
MD-25C(SCS ¹³ ₁₄)	PT 1"	28	8				
MD-32C(SCS ¹³ ₁₄)	PT 1 1/4"	32	13				
MD-40C(SCS ¹³ ₁₄)	PT 1 1/2"	40	20.3				
MD-50C(SCS ¹³ ₁₄)	PT 2"	50	32				

* NPT on request. * (SCS13) Valve bonnet, Valve body material SCS13.
(SCS14) Valve bonnet, Valve body material SCS14.



NO.	Descriptions	Material
1	Hexagon nut	SUS 304
2	Coil sleeve	SUS 303L
3	Coil bonnet	SUS 303L
4	Lead cap	ABS
5	Bobbin sleeve	SPC
6	Coil	B class
7	Bobbin sleeve	SPC
8	Spacer	SPC
9	Coil spring	SWP2



Model	Connection	L (mm)	H (mm)	A (mm)	∅D (mm)	C (mm)
MD-10C	PT 3/8"	70	147	15	62	56
MD-15C(SCS13) / (SCS14)	PT 1/2"	70	147	15		
MD-20C(SCS13) / (SCS14)	PT 3/4"	80	157	17.5		
MD-25C(SCS13) / (SCS14)	PT 1"	90	167	23		
MD-32C(SCS13) / (SCS14)	PT 1 1/4"	120	149	26		
MD-40C(SCS13) / (SCS14)	PT 1 1/2"	136	159	32		
MD-50C(SCS13) / (SCS14)	PT 2"	160	169	37		

NO.	Descriptions	Material
1	Plunger tube unit	SUS 304, KM-31
2	Needle stem	SUS 303L
3	Seat sleeve	SUS 303L
4	Plunger spring	SUS 304
5	Plunger seat	H NBR
6	Spring	SUS 304
7	O ring	NBR
8	Hexagon bushing nut	SUS 303L
9	O ring	NBR
10	Hexagon bolt	SUS 304
11	Valve bonnet	3/8" ~ 1" (C3771BE) 1-1/4" ~ 2"(BC 6) 1/2" ~ 2"(SCS13/SCS14)
12	Diaphragm a'ssy	SUS304, BSBF(SUS304) NBR(EPDM)(VITON)
13	Valve body	3/8" ~ 1" (C3771BE) 1-1/4" ~ 2"(BC 6) 1/2" ~ 2"(SCS13/SCS14)

* (SCS14) Valve bonnet, Valve body material SCS14.