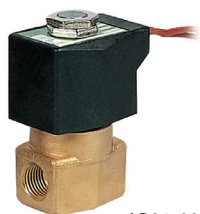


AB SERIES DIRECT ACTING SOLENOID VALVE



AB31-02



AB41-03



AB42 (Normal Open)

Ordering Code

AB31 - 02 - 1 - E - W - AC220V

Specification Code
AB31: Normal Close
AB41: Normal Close
AB42: Normal Open

Port Size
01: ZG1/8"
02: ZG1/4"
03: ZG3/8"
04: ZG1/2"

Orifice Size
1: 1.5mm **5:** 5mm
2: 2mm **6:** 6mm
3: 3mm **8:** 8mm
4: 4mm **10:** 10mm

Sealing Material
Blank: NBR
E: EPDM
V: VITON
SI: SI

Connection
W: Wire
2E: DIN
R: Round Coil

Standard Voltage
DC12V DC24V
AC24V 50Hz/60Hz
AC110V 50Hz/60Hz
AC220V 50Hz/60Hz
AC380V 50Hz/60Hz

Specification Parameter

Item Model	Port Size	Orifice (mm)	Cv Value	Effective Area of Section (mm ²)	Pressure Difference (MPa)							Max. Working Pressure (MPa)	Volatge	
					Air		Water,Warm water,Kerosene		Oil (50mm ² /s)		Steam			
					AC	DC	AC	DC	AC	DC	AC			
Normal Closed: NC														
AB31-01	ZG1/8"	1.5	0.1	1.8	2.5	2.5	2.5	2.5	2.5	2.5	1.0	5 (If steam is 1)	AC100V 50/60Hz	
AB31-01		2.0	0.15	2.7	1.5	1.5	1.5	1.5	1.5	1.5	1.0			
AB31-01		3.0	0.31	6.2	1.0	0.5	0.7	0.5	0.5	0.5	0.7			
AB31-01		3.5	0.42	8.2	0.6	0.4	0.5	0.4	0.4	0.4	0.5			
AB31-01		4.0	0.54	10.5	0.4	0.25	0.3	0.25	0.25	0.25	0.3			
AB31-01		5.0	0.8	15.3	0.2	0.15	0.15	0.15	0.15	0.15	0.15			
AB41-02	ZG1/4"	1.5	0.1	1.8	5.0	4.0	4.5	4.0	4.0	4.0	1.0		AC110V 60Hz	
AB41-02		2.0	0.15	2.7	3.0	2.5	2.7	2.5	2.5	2.5	1.0			
AB41-02		3.0	0.31	6.2	1.5	0.9	1.3	0.9	0.9	0.9	1.0			
AB41-02		4.0	0.42	8.2	1.2	0.6	0.9	0.6	0.6	0.6	0.9			
AB41-02		5.0	0.54	10.5	1.0	0.5	0.7	0.5	0.5	0.5	0.7			
AB41-02		6.0	0.8	15.3	0.6	0.25	0.4	0.25	0.25	0.25	0.4			
AB41-02		8.0	1.0	26.4	0.25	0.1	0.2	0.1	0.15	0.1	0.2		AC220V 60Hz	
AB41-03.04	ZG3/8" ZG1/2"	10.0	1.88 (1.5)	40.6 (27.6)	0.1	0.05 (0.03)	0.1	0.05 (0.03)	0.05	0.05 (0.03)	-			
Normal Open: NO														
AB42-02	ZG1/4" ZG3/8"	1.5	0.1	1.8	2.0	2.0	2.0	2.0	2.0	2.0	1.0		2 (If steam is 1)	DC12V DC24V DC48V DC100V
AB42-02		2.0	0.15	2.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0			
AB42-02		3.0	0.31	6.2	0.7	0.7	0.7	0.7	0.7	0.7	0.7			
AB42-02		3.5	0.4	7.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5			
AB42-02		4.0	0.47	8.9	0.4	0.4	0.4	0.4	0.4	0.4	0.4			
AB42-02		5.0	0.63	12.5	0.25	0.25	0.25	0.25	0.25	0.25	0.25			
AB42-02		7.0	1.0	21.1	0.15	0.15	0.15	0.15	0.15	0.15	0.15			

AB SERIES DIRECT ACTING SOLENOID VALVE

Internal Structure

AB31

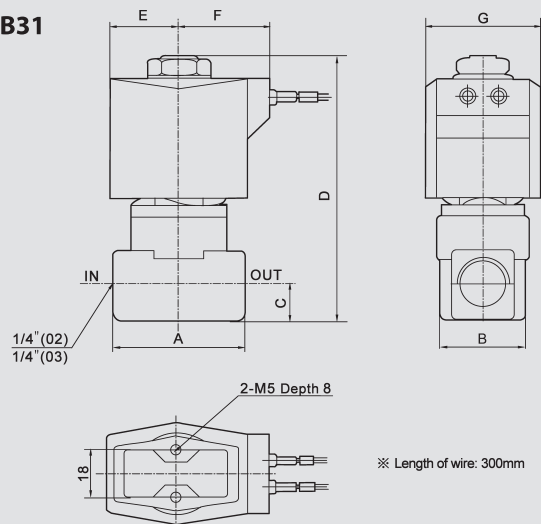
Item	Parts Name	Material
1	Coil	Plastic Class B
2	Iron Core Assembly	
3	Shading Coil	Red Copper
4	Movablecore	Stainless Steel Rod KM31
5	Spring	S.S
6	"O" ring	NBR (EPDM,VITON,SI)
7	Stopper	NBR (EPDM,VITON,SI)
8	Body	Brass

AB42

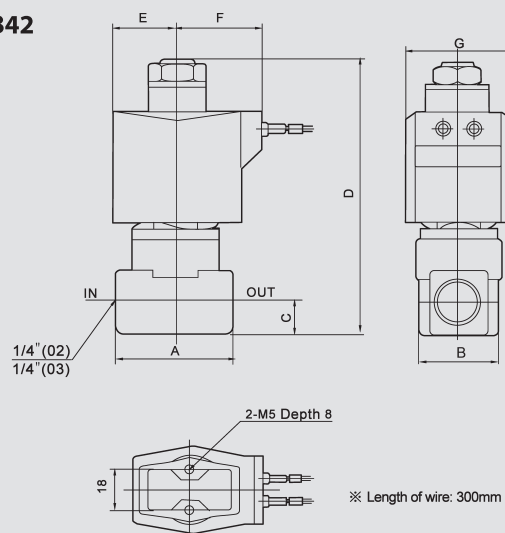
Item	Parts Name	Material
1	Iron Core Assembly	
2	Coil	Plastic Class B
3	Movablecore	Stainless Steel Rod KM31
4	Shading Coil	Red Copper
5	Stopper	NBR (EPDM,VITON,SI)
6	"O" ring	NBR (EPDM,VITON,SI)
7	Spring	S.S
8	Body	Brass
9	Movable Core Pilot	Stainless Steel Rod KM31

Overall Dimension

AB31



AB42



Dimension Sheet

Model	A	B	C	D	E	F	G
AB31	36	28	11	72	20	26	34
AB41	46	28	12	90	23.5	30.5	38
AB42	40	28	11	94	19	19	30

For any special requirements, pls contact with us.