

Characteristic: 1. Direct lifting diaphragm construction with high frequency

- Open from 0 bar with large flow rate
- Applied to low pressure system

Medium: Steam and Hot Water, Civil gas, Oil, etc.

Temperature: N-NBR: -5°C to 80°C

E-EPDM : -5°C to 100°C

V-VITON: -5°C to 120°C

Pressure: 0.0Mpa~1.0Mpa

Port Size: 3/8", 1/2", 3/4", 1", 1 1/4", 1 1/2", 2"

Port Thread: BSPP, BSPT, NPT, FLANGE

Orifice(mm): 15, 20, 25, 32, 40, 50

Voltage: DC-12V, 24V

AC-24V, 120V, 240V/60Hz; 110V, 220V/50Hz

Tolerance: ±10%

Coils: S91B, 22VA(AC),17W(DC), IP65, 100%ED

S92B, 22VA(AC),17W(DC), IP65, 100%ED

SD01B, 28VA(AC),36W(DC), IP65, 100%ED

Material: Body- Brass or stainless steel UPVC

Seal- VITON PTFE NBR EPDM

Armature Tube- Stainless Steel304

Plunger- Stainless Steel 430F

Stop- SS 403F

Springs-SS 304

Shading Rings-Stainless Steel 304



Model	Picture	Voltage	Motor Power	Protection Class	Available For	Outline Size Drawing
S91B		1.AC220V 2.AC110V 3.AC24V  1.DC24V 2.DC12V 3.DC6V  <i>The voltage can be customized</i>	22VA 17W	IP65	DN10 DN15 DN20 DN25	
S92B		1.AC220V 2.AC110V 3.AC24V  1.DC24V 2.DC12V 3.DC6V  <i>The voltage can be customized</i>	22VA 17W	IP65	DN10 DN15 DN20 DN25	
SD01B		1.AC220V 2.AC110V 3.AC24V  1.DC24V 2.DC12V 3.DC6V  <i>The voltage can be customized</i>	28VA 36W	IP65	DN32 DN40 DN50	

**Determine Valve Body Code**

Type	Orifice mm	Port size	Port thread	Body	Seal	Voltage
2W31	10,15,20, 25,32,40, 50	G - G/BSP N - NPT thread F - Flange	B - Brass S - Stainless steel UPVC	N-NBR E-EPDM V-VITON	S91B S92B SD01B	1.AC220V 2.DC24V 3.AC110V 4.DC12V 5.AC24V 6.DC6V

EXAMPLE:HK08 25 GBN S21H2, HK08 SERIES, NC, 25MM ORIFICE, 1"G, STAINLESS BODY, PET SEAL, COIL S21H, AC220V, DIN

**Technical Parameters**

Size	Port Size	Orifice mm	Cv	Min Pressure	Max Pressure		Operating Temperature		
					AC(22VA)	DC(17W)	NBR	EPDM	VITON
2W31-10	3/8"	10	4.5	0.0MPa	0.7MPa	0.7MPa	-5°C~80°C	-5°C~100°C	-5°C~120°C
2W31-15	1/2"	15	4.5	0.0MPa	0.7MPa	0.7MPa			
2W31-20	3/4"	20	9.3	0.0MPa	0.7MPa	0.7MPa			
2W31-25	1"	25	12	0.0MPa	0.7MPa	0.7MPa			
					AC(28VA)	DC(36W)			
2W31-32	1-1/4"	32	24	0.0MPa	1.0MPa	1.0MPa			
2W31-40	1-1/2"	40	29	0.0MPa	1.0MPa	1.0MPa			
2W31-50	2"	50	48	0.0MPa	1.0MPa	1.0MPa			

2W31 Thread DN10-DN25

Size	2W31-10	2W31-15	2W31-20	2W31-25
A	68	66	68	97
B	56	56	56	76
C	NO	105	120	128
	NC	95	110	117
D	13.5	13.5	16.5	20

2W31 Thread DN32-DN50

Size	2W31-32	2W31-40	2W31-50
A	110	114	154
B	86	93	118.5
C	NO	148	157
	NC	148	157
D	24	28	36

2W31 Flange

Size	A	B	C	D	n-φd	E	
2W31-15	101	∅90	∅65	∅40	4-∅14	150	140
2W31-20	103	∅100	∅75	∅48	4-∅14	164	154
2W31-25	133	∅110	∅85	∅62	4-∅14	172	162
2W31-32	142.5	∅132	∅100	∅66	4-∅18	198	198
2W31-40	152	∅142	∅110	∅76	4-∅18	208	208
2W31-50	178	∅155	∅125	∅96	4-∅18	220	220