

Catalogue No.

APL / 1044

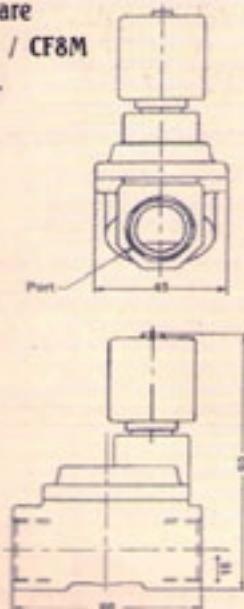
2/2 Way Pilot Operated Diaphragm Solenoid "USD" Valves



"Airmax" offers HIGH FLOW Diaphragm type solenoid valves, are specially engineered in the construction of Investment Cast CF8 / CF8M body with Electro plating for multiple and long lasting operations.

Technical Specifications :

Model	USD
Size	½" BSP / NPT
Orifice	15 mm
CV	4.5
Pressure	0.5 Kg to 10 Kg
Temperature	Upto 80 °C
Operating Type	Normally Closed
Body	Forged Brass
Seals	NBR (Viton EPDM On Request)
Coil Voltage	12V, 24V, 48V, 110V, 230V AC/DC
Media	Water, Air, Oil & Gas



Catalogue No.

APL / 1029 - B

2/2 Way Pilot Operated Piston Type "HPQX" Solenoid Valves For High Pressure Fluids (110 Kg)



"aira" offers HIGH FLOW piston type solenoid valves, are specially engineered in the construction of Investment Cast CF8 / CF8M body for multiple and long lasting operations, especially for HIGH PRESSURE FLUIDS

"aira" solenoid valves are the best for the inflammable media. The Flameproof Explosion proof solenoid coils are available in such application.

Size Range : 1/4" To 3" Screwed / Flanged / Triclover

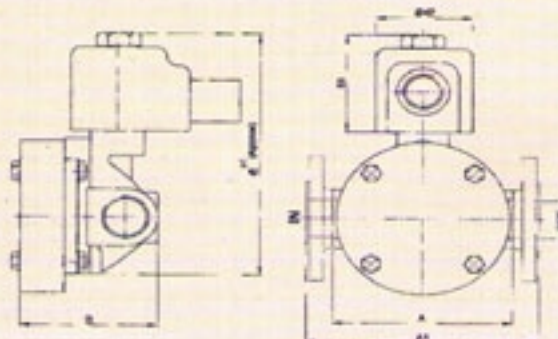
Technical Specifications :

Valve Body	ASTM A 351 - CF8 / CF8M
Seat & Seals	Teflon (Silicon, Viton, EPDM on request)
Pressure	2 To 110 bar
Temperature	Upto 90° C
Coil Voltage	12V, 24V, 48V, 110V, 230V AC / DC
Insulation	H Class Suitable Upto 140°C
Coil Encloser Meets	IP 20 / IP 65 / IP 67 (Flame Proof / Explosion Proof as per IS 2148 STD for Class II A, II B, II C Zone)
Coil Rating	Continuous Rated
Media	Hot Water / LD Oil / Air / Water / Corrosive Media

Dimensions :

(All dimensions are in MM)

Valve Model	Size		A	A1	C (Approx.)	D	Weight (Approx)	
	MM	Inch					S/E	F/E
HPQX-6	6	¼	65	-	120	69	-	-
HPQX-10	10	3/8	65	-	120	69	-	-
HPQX-15	15	1/2	65	-	120	69	2.042	-
HPQX-20	20	3/4	80	-	125	85	2.665	-
HPQX-25	25	1	95	160	130	96	3.665	-
HPQX-32	32	1¼	118	200	135	120	6.000	-
HPQX-40	40	1½	118	200	135	120	5.895	-
HPQX-50	50	2	137	230	142	145	9.810	-
HPQX-65	65	2½	172	290	215	150	-	-
HPQX-80	80	3	195	310	300	180	-	-



2/2 Way Direct Acting "BSD" Solenoid Valves**For Air / Gas / Oil / Water / Chemical**

"aira" solenoid valves are the best for the inflammable media. The Flameproof Explosion proof solenoid coils are available in such application.

Size Range : 1/8", 1/4", 3/8" & 1/2" BSP / NPT

Types: Normally Close (N/C) / Normally Open (N/O) / Universal

- Compact design light weight & long durability.
- Constructed from advanced technology & design.
- 600 operation per minute.
- Easy installation, universal mounting.

GROUP - I

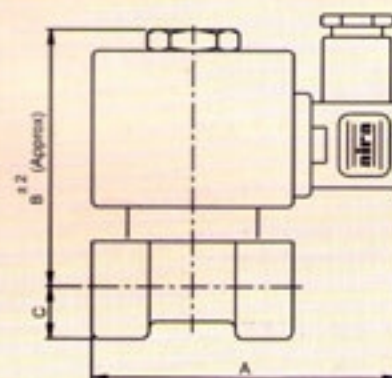
Suitable for 0 to 10 Kg/Cm²

GROUP - II

Suitable for 2, 10, 35 & 70 Kg/ Cm²

Technical Specifications :

Body Construction	IC S.S. 304 / Aluminium / Brass Forged
Seat	Viton
Temperature of fluid	-5° C to 85° C (high temperature on request)
Coil Voltage	12V, 24V, 48V, 110V, 220V AC / DC
Media	Air / Gas / Oil / Water / Chemical



Dimensions : (All dimensions are in MM)

Size		C	Group - I			
MM	Inch		A	B	A	B
6	1/4	10	68	71	92	100
10	3/8	14	72	74	92	100
15	1/2	14	72	74	92	100

Technical Specification Table

Group	Type	Size Inch	Position	Orifice	Press.
Group I	BSD-I/SBD-I	1/4	N/C	2.5 mm	10 Kg
Group I	BSD-I/SBD-I	1/2	N/C	2.5 mm	10 Kg
Group I	BUD-I/UBD-I	1/4	N/C	1.2 mm	10 Kg
Group I	BUD-I/UBD-I	1/2	N/C	1.2 mm	10 Kg
Group II	BBC-II	1/4, 3/8, 1/2	N/C	4 mm	10 Kg
Group II	BBC-II	1/4, 3/8, 1/2	N/C	2.2 mm	35 Kg
Group II	BBC-II	1/4, 3/8, 1/2	N/C	1.2 mm	70 Kg
Group II	BBC-II	1/2	N/C	15 mm	2 Kg
Group II	BBS-II	1/4, 3/8, 1/2	N/C	4 mm	10 Kg
Group II	BBS-II	1/4, 3/8, 1/2	N/C	2.2 mm	35 Kg
Group II	BBS-II	1/4, 3/8, 1/2	N/C	1.2 mm	70 Kg

**2/2 Way Diaphragm Operated Solenoid Valves****Technical Specifications :**

Model	GSDM
Size	1/2" (15mm)
Body Construction	Brass Forged
Diaphragm & Seals	Nitrile / E.P.D.M.
Pressure	0 To 6 Kg / Cm ²
Temperature	80 °C
Orifice	12 mm

