

Catalogue No.

APL / 1029 - A

2/2 Way Pilot Operated Piston Type "HPSE"

Solenoid Valves For High Pressure Fluids (40 Kg)



"aira" offers HIGH FLOW piston type solenoid valves, are specially engineered in the construction of Investment Cast CF8 / CF8M / CF3M 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 6" Screwed / Flanged / Triclover

Technical Specifications :

Valve Body	ASTM A 351 - CF8 / CF8M / CF3M
Seat & Seals	Teflon (Silicon, Viton, EPDM on request)
Pressure	2 To 40 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	Continuos Rated
Media	Hot Water / LD Oil / Air / Water / Corrosive Media



Pressure upto 40 bar

Caution :

- Do not use for steam application
- Hot water temperature limited up to 95°C only
- Avoid Back Pressure
- INSTALLATION OF "FILTER" IN INLET SIDE IS HIGHLY RECOMMENDED

Technical Specification Table

Size Inch	Orifice mm	Flow factor Kv M ³ /hr.	Minimum pressure bar	Maximum operating pressure (Bar)					
				AC			DC		
				Air/ Gas	Water	Light Oil	Air/ Gas	Water	Light Oil
1/4	10	1.8	2	28	26	24	40	35	30
3/8	16	2.6	2	28	26	24	40	35	30
1/2	16	3.4	2	28	26	24	40	35	30
3/4	20	5.2	2	32	28	24	40	30	30
1	25	8.5	2	34	28	17	40	30	30
1 1/4	28	14.0	2	34	25	17	40	30	30
1 1/2	34	17.3	2	34	25	22	40	30	30
2	45	30.5	2	30	25	22	40	30	30
3	72	55.0	2	18	13	10	20	16	16

Dimensions :

(All dimensions are in MM)

Valve Model	Size		A Screwed	A1 Flanged	C (Approx.)	D	Weight (Approx)	
	MM	Inch					S/E	F/E
HPSE - 6	6	1/4	65	130	120	68	-	-
HPSE - 10	10	3/8	65	130	120	68	-	-
HPSE - 15	15	1/2	65	130	120	68	1.240	1.890
HPSE - 20	20	3/4	80	150	125	82	1.620	2.575
HPSE - 25	25	1	95	160	130	90	2.100	3.280
HPSE - 32	32	1 1/4	118	200	135	110	-	-
HPSE - 40	40	1 1/2	118	200	135	110	3.240	4.960
HPSE - 50	50	2	137	230	142	130	4.800	7.770
HPSE - 65	65	2 1/2	172	290	215	160	-	-
HPSE - 80	80	3	195	310	249	170	8.250	14.500
HPSE - 100	100	4	300	350	300	230	-	-
HPSE - 150	150	6	344	482.5	400	300	-	-

