

"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 in STEAM & HIGH Temperature 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 4" Screwed / Flanged / Triclover

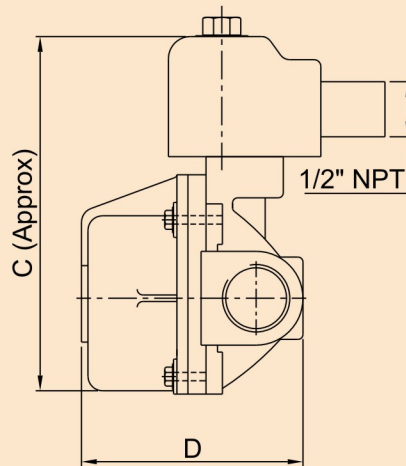
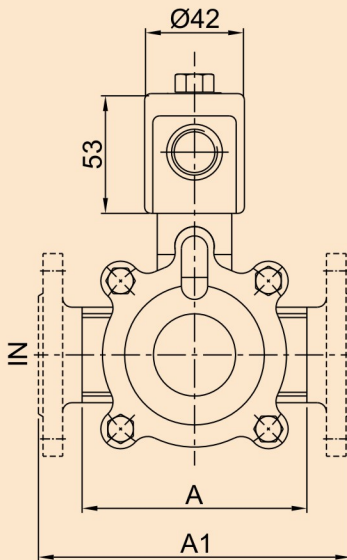
Technical Specifications :

Valve body	ASTM A351 - CF8 / CF8M / CF3M
Seat & Seals	Teflon
Pressure	8 PSI to 180 PSI
Temperature	Upto 180 °C
Coil Voltage	12V, 24V, 48V, 110V, 230V AC/DC
Insulation	H Class Suitable Upto 180 °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 / Steam / High Temperature Fluids



Caution :

- ▶ Suitable for Dry Steam
- ▶ 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)	
				Hot Water	Steam
1/4"	10	2.8	1	9	9
3/8"	15	3.4	1	9	9
1/2"	15	4	1	9	9
3/4"	20	7	1	9	9
1"	25	12	1	9	9
1.1/4"	28	15	1	9	9
1.1/2"	34	23	1	9	9
2"	45	38	1	9	9
2.1/2"	On Request				
3"					
4"					
6"					

Dimensions :

(All Dimensions are in mm)

Valve Model	Valve Size		A Screwed	A1 Flanged	C (Approx)	D	Weight (Approx)	
	MM	Inch					S/E	F/E
HVS - 6	6	1/4"	65	130	137	68	-	-
HVS - 10	10	3/8"	65	130	137	68	-	-
HVS - 15	15	1/2"	65	130	137	68	1.240	1.890
HVS - 20	20	3/4"	80	150	145	85	1.620	2.575
HVS - 25	25	1"	95	160	162	90	2.100	3.280
HVS - 32	32	1.1/4"	121.5	180	170	110	3.300	5.050
HVS - 40	40	1.1/2"	121.5	200	170	110	3.240	4.960
HVS - 50	50	2"	140	230	195	130	4.800	7.770
HVS - 65	65	2.1/2"	172	290	195	160	-	-
HVS - 80	80	3"	195	310	235	170	8.250	14.500
HVS - 100	100	4"	300	350	380	230	16.200	25.100