

"aira" offers 2/2 way semi pilot, high performance diaphragm type solenoid Valves, for high volume and low pressure application in air, gas, water, vacuum, light oil, corrosive fluids. available in normally close and normally open design.

Suitable For :

Autoclaves, Gas burning equipments, Oil centrifuge plants, Vacuum plants, Pump seal water application, Low pressure water circulation system, solar heating systems, Gas generator etc...

Size Range : 3/8" To 4" Screwed / Flanged / Tricolver

Technical Specifications :

Body and Bonnet Construction	ASTM A351 Gr. CF8 / CF8M / CF3M
Diaphragm	Nitrile or Neoprene PTFE, Nitrile Diaphragm
Temperature of Fluid	-50 °C to 80 °C max. (High Temperature On Request)
Pressure Rating	0 to 5 bar max. (0 to 6 bar On Request)
IP 20 (IS 2147) Solenoid Coil	General Purpose.
IP 65 (IS 2147) Solenoid Coil	For Water Proof application.
Group I, IIA, IIB, & IIC (IS 2148) Solenoid Coil	For Explosion / Flame-Proof application.
Voltage	24, 48, 110, 220 Volts AC, 50 Hz. 12, 24, 48, 110, 220 Volts DC.



Technical Specification Table

Valve Model		Valve Size		Orifice Size (mm)	Flow Factor KV	Min. press. bar	Max. Operating Pressure (Bar)					
Teflon Diaphragm	Rubber Diaphragm	mm	Inch				AC			DC		
							Air/Gas	Water	Light Oil	Air/Gas	Water	Light Oil
GTD - 10	GSD - 10	10	3/8"	15	2.6	0	6	4.0	3.0	6	5.0	3.0
GTD - 15	GSD - 15	15	1/2"	16	3.4	0	6	4.0	3.0	6	5.0	3.0
GTD - 20	GSD - 20	20	3/4"	20	4.3	0	6	3.5	3.0	6	4.0	3.0
GTD - 25	GSD - 25	25	1"	25	10.3	0	6	3.5	2.0	6	4.0	2.5
GTD - 40	GSD - 40	40	1.1/2"	34	19.3	0	5	3	2.0	5	4.0	2.0
GTD - 50	GSD - 50	50	2"	45	32.5	0	4	3	2.0	4	3.0	2.0

Dimensions :

(All dimensions are in MM)

Valve Size		A	B	C	D	F	Weight (Approx)	
MM	Inch						Screwed	Flanged
10	3/8"	65	13.5	109.5	57	130	-	-
15	1/2"	65	13.5	109.5	57	130	0.960	1.726
20	3/4"	80	21	115	68.5	150	1.200	2.220
25	1"	95	29	121	82	160	1.600	2.425
40	1.1/2"	118	35	133	100	200	2.200	3.930
50	2"	137	43.5	143.5	120	230	3.200	6.260
65	2.1/2"	172	58	175	185	290	4.370	9.700
80	3"	195	58	175	185	310	6.310	12.540
100	4"	300	58	175	203	350	13.840	23.190

