

2/2 Way Pilot Operated Diaphragm Solenoid Valve



Model : LLD

"aira" Offers HIGH FLOW Diaphragm type solenoid valves, are specially engineered in the construction of Investment Cast CF8 / CF8M / CF3M body for multiple and long lasting operations. valves for the inflammable media / environment / Flameproof / Explosion Proof solenoid coil are available in such application.

Size Range : 1/4" to 6" Screwed / Flanged / Triclover End

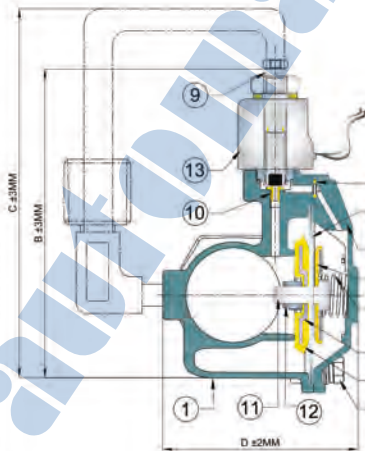
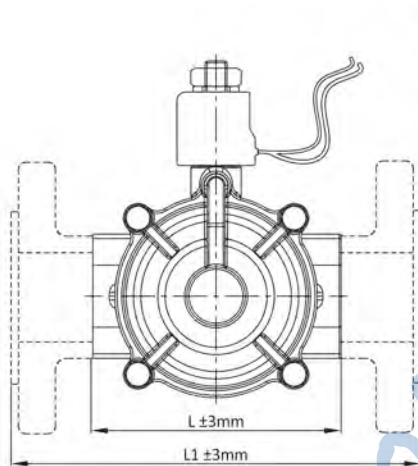
Types :

1. Normally Closed - Energised to Open
2. Normally Open - Energised to Close

Application :

Air, Water, Light Oil, Gas, Light Chemical

Valves Specification	
Pressure	0.5 to 10 Bar
Temperature	-5 °C to 85 °C (Upto 120 °C On Request)
Coil Voltage	12V, 24V, 48V, 110V, 230V AC/DC
Coil Insulation	"F" Class
Coil Encloser	IP 67 (Flame Proof / Explosion Proof as per IS / Meets IEC 60079 - 1 STD for Gas Group II C Zone 1 & 2)
Coil Rating	Continuous Rated
Ends	Screwed / Flanged 150# / TC End



Sr. No.	Description	Material
1	Body	CF8 / CF8M / CF3M
2	Cover	CF8 / CF8M / CF3M
3	Diaphragm	NBR
4	Embossed Washer	S. S. 304
5	Seat Washer	M. S.
6	Diaphragm Seat	NBR
7	'O' Ring For Cover	NBR
8	Spring	S. S. 304
9	Housing Plunger Set	Std.
10	Pilot Seat	Brass
11	Hex Pin For Diaphragm	S. S.
12	Hex Nut For Diaphragm	S. S.
13	Sole. Coil Casting	Std.
14	Hex Bolt + Washer	S. S.

Solenoid Coil



(For General)



(For General)
2210 Model With Wire Type



Explosion & Flame Proof Coil
[As per IS / IEC 60079-1 standard approved by Central Institute of Mining and Fuel Research (CIMFR)]

Dimensions :

Valve Model	Size		Flow Factor Kvm ³ /hr	L S / E	L1 F / E	B	C	D	Orifice MM	Weight Approx.	
	Inch	MM								S / E	F / E
LLD - 15	1/2"	15	3.5	65	130	130	170	50	16	0.650	----
LLD - 20	3/4"	20	5.0	80	150	136	175.5	65	19.5	0.950	2.100
LLD - 25	1"	25	11.0	95	160	153.5	195	71	24	1.200	2.750
LLD - 32	1.1/4"	32	13.0	119	180	163.50	207	94	34.5	2.000	4.650
LLD - 40	1.1/2"	40	20.0	119	200	163.50	99.5	94	34.5	1.850	4.500
LLD - 50	2"	50	38.0	137	230	184.5	229	121	45	2.600	6.950
LLD - 65	2.1/2"	65	67.6	172	290	201	----	142.5	65	4.200	7.500
LLD - 80	3"	80	97.6	195	310	237.5	----	158	72	5.900	10.050
LLD - 100	4"	100	----	300	350	284.5	----	206	98	13.950	18.850
LLD - 150	6"	150	----	On Request							

Note : Flange Dimensions as per 150#.

(All Dimensions are in mm)

Pub. On : July 2018 (Rev-01)



Note : Since, constant worldwide advancement in technology, We keep our rights reserved to make changes time to time in Technical specifications and Dimensions without prior notice.