

Your Solution Partner in
Industrial Valve
Automation...



Solenoid Valve



2/2 & 3/2 Way Solenoid Valve

- High Pressure & High Temperature
- Screwed / Flanged / T. C. End
- Voltage : 12V, 24V, 48V, 110V, 230V, AC/DC
- Coil Type : General / IP 65 & 67 / IS / IEC 60529
- Flame Proof / Weather Proof / Terminal Junction Box
- Intrinsically Safe Coil



Mfg. & Mkt by :

airaEuroautomation pvt. ltd.
INDIA



IBR

CE



Ex



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About Us

*Clients are
why we exist!*

We welcome and thank you for referring out detailed catalogue.

aira is known all over continents as a manufacturer of quality products - Ball Valves, Butterfly Valves, Plug Valves, & Control On / Off Valves with Pneumatic Actuators for Pharma, Oil & Gas, Steel, Paper, Water, Chemical and all type of processing industries.

aira has walked through more than 3 decades, gaining valuable experience, offering equipment's in the products manufactured by OEMs in all spheres of engineering. **aira** products have gained reputations of consultants, and approvals of users, OEMs and other as a quality product.

aira has expanding business into foreign markets specially GCC, UAE, Asian & African countries. This is because increase its customer base and revenue, leading to overall growth and success. Now foreign users come to know and believe in the services provided by the **aira**. Along with the same, it also helps to reach a large number of users thereby leading to the increase their business.

Being and ISO 9001 BVQI certified company has put **aira** in fore front. Our motto is "Value the customer" and "Superior product", one among the best in the world.

Our Quality

- In-House full scale testing facility.
- Lean manufacturing practices
- Certified by : ISO 9001 : 2015 (BVQI LONDON), CE, ATEX, CIMFR, BIS, PESO, SIL 3, IBR
- API 609, API 6D

Our Commitment

- To understand customer's need first before proposing our products.
- To keep on providing competitive rate's by adapting to continuous process improvement, without compromising on quality.
- To provide continuous support to our customers and go beyond their expectations in terms of delivery and after sale services.

Our Manufacturing Facility

- In house R & D, manufacturing and testing facility is all located in a spread over three campuses at Ahmedabad, Gujarat, INDIA.

Network - Sales Office

- 60 Plus Branch Offices in different states in India.
- Sales office in the Bangladesh, Dubai, Kenya, Malaysia, Nepal, Qatar, Singapore, South Africa, Sri Lanka, Turkey, USA (Expanding).

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QMS (Quality Management System)

ISO 9001 : 2015

EMS (Environment Management System)

ISO 14001 : 2015

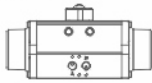
OHSAS (Occupational Health & Safety Management System)

ISO 45001 : 2018

IBR
PISTON VALVE
GLOBE CONTROL VALVE (CKD/CND)
DISC CHECK VALVE (DCV)
PRESSURE REDUCING VALVE (PRV)
POP TYPE SAFETY VALVE
BALL VALVE

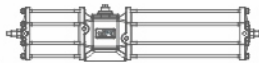
Pneumatic Actuator

CE /
ATEX /
EXIDA SIL-3 /
PROOF OF DESIGN



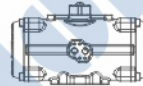
Scotch & Yoke Actuator

CE / ATEX / SIL-3



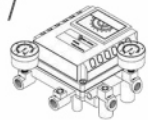
Stainless Steel Actuator

CE /
IEP ATEX



Positioner Enclosure

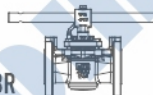
CE / CIMFR /
IP67 / BIS
/ PESO



aira's
SOME OF OUR
Certificates

Plug Valve

FUGITIVE EMISSIONS
TEST
AS PER ISO
15848-1 / IBR



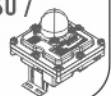
Flameproof Solenoid Valve

IEP ATEX / CE / CIMFR
/ IP65 / IP67 / IP68 /
BIS / PESO



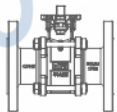
Limit Switch

IEP ATEX / CE / CIMFR
/ IP67 / BIS / PESO /
EQDC IP68



Ball Valve (Floating & Trunnion)

FIRE SAFE TEST DESIGN /
FUGITIVE EMISSIONS TEST
AS PER ISO 15848-1 / CE /
PED / EXIDA SIL-3



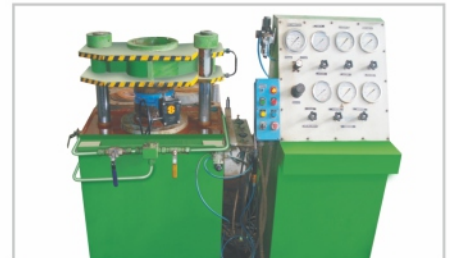
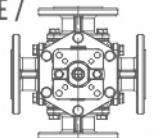
Butterfly Valve (centric / Double & Triple Eccentric)

FIRE SAFE TEST DESIGN /
FUGITIVE EMISSIONS TEST
AS PER ISO 15848-1 / CE /
PED / EXIDA SIL-3
IBR / PROOF OF DESIGN /
FOOD GRADE / BIS / ISI



Multiport Ball Valve

FUGITIVE EMISSIONS TEST
AS PER ISO 15848-1 / CE /
PED / EIL



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Company Profile



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2/2 Way Semi Lift Diaphragm Operated Low Pressure Solenoid Valve



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2/2 Way Semi Lift Diaphragm Operated Low Pressure Solenoid Valve



"aira" Offers 2/2 way semi Lift, 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.

Size Range : 3/8" to 4" Screwed / Flanged / Triclover End

Valves Specification	
Pressure Rating	0 to 5 Bar Max. (0 to 6 Bar On Request)
Temperature of Fluid	85 OC Max. (High Temperature On Request)
Coil Voltage	12V, 24V, 48V, 110V, 230V, AC/DC
Coil Insulation	*F* & *H* Class Suitable Upto 180 OC
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 Ratings	Continuous Rated
Ends	Screwed / Flanged 150# / TC End



Model : GSD

Technical Specification Table

Valve Size		Orifice MM	Flow Factor Kvm3/hr	Min. Pressure Bar	Maximum Operating Pressure (Bar)					
					AC			DC		
MM	Inch				Air / Gas	Water	Light Oil	Air / Gas	Water	Light Oil
10	3/8"	17	2.6	0	6	4.0	3.0	6	5.0	3.0
15	1/2"	17	3.4	0	6	4.0	3.0	6	5.0	3.0
20	3/4"	20	4.3	0	6	3.5	3.0	6	4.0	3.0
25	1"	25.5	10.3	0	6	3.5	2.0	6	4.0	2.5
40	1.1/2"	38	19.3	0	5	3	2.0	5	4.0	2.0
50	2"	47.5	32.5	0	4	3	2.0	4	3.0	2.0

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...

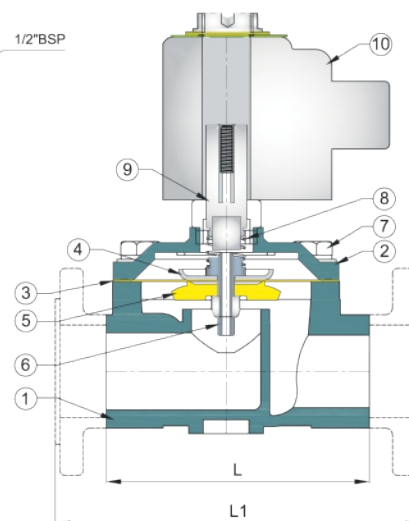
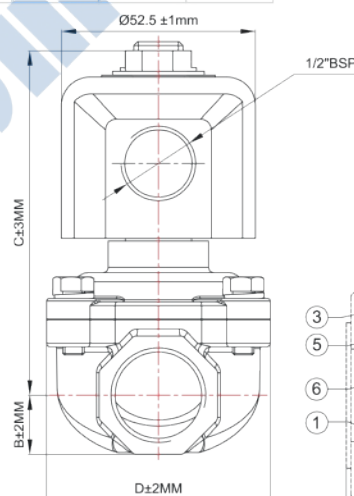
Solenoid Coil



Weatherproof Coil



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



Dimensions :

Valve Model	Valve Size		L S / E	L1 F / E	B	C	D	Weight Approx.	
	MM	Inch						S / E	F / E
GSD - 10	10	3/8"	65.5	130	16	112	57	1.050	1.500
GSD - 15	15	1/2"	65.5	130	16	112	57	1.000	1.400
GSD - 20	20	3/4"	80	150	21	113	67	1.200	1.700
GSD - 25	25	1"	97	160	29	121	82	1.500	2.250
GSD - 40	40	1.1/2"	119	200	35	132	99	2.050	3.350
GSD - 50	50	2"	137	230	43	146	120	3.100	5.200
GSD - 65	65	2.1/2"	172	290	56	166.5	143	4.600	9.400
GSD - 80	80	3"	195	310	57	166	185	6.550	10.050
GSD - 100	100	4"	300	350	79	195	215.5	13.450	18.850

Note : Flange Dimensions as per 150#.

(All Dimensions are in mm)

Sr. No.	Description	Material
1	Body	CF8 / CF8M / CF3M
2	Cover	CF8 / CF8M / CF3M
3	Diaphragm	NBR (Viton On Request)
4	Embossed Washer	S.S. 304
5	Diaphragm Seat	NBR
6	Pilot Pin + Nut	S.S. 304
7	Hex Bolt + Washer	S.S.
8	Taper Spring	S.S. 304
9	Housing Set	STD.
10	Sol. Coil Body	STD.

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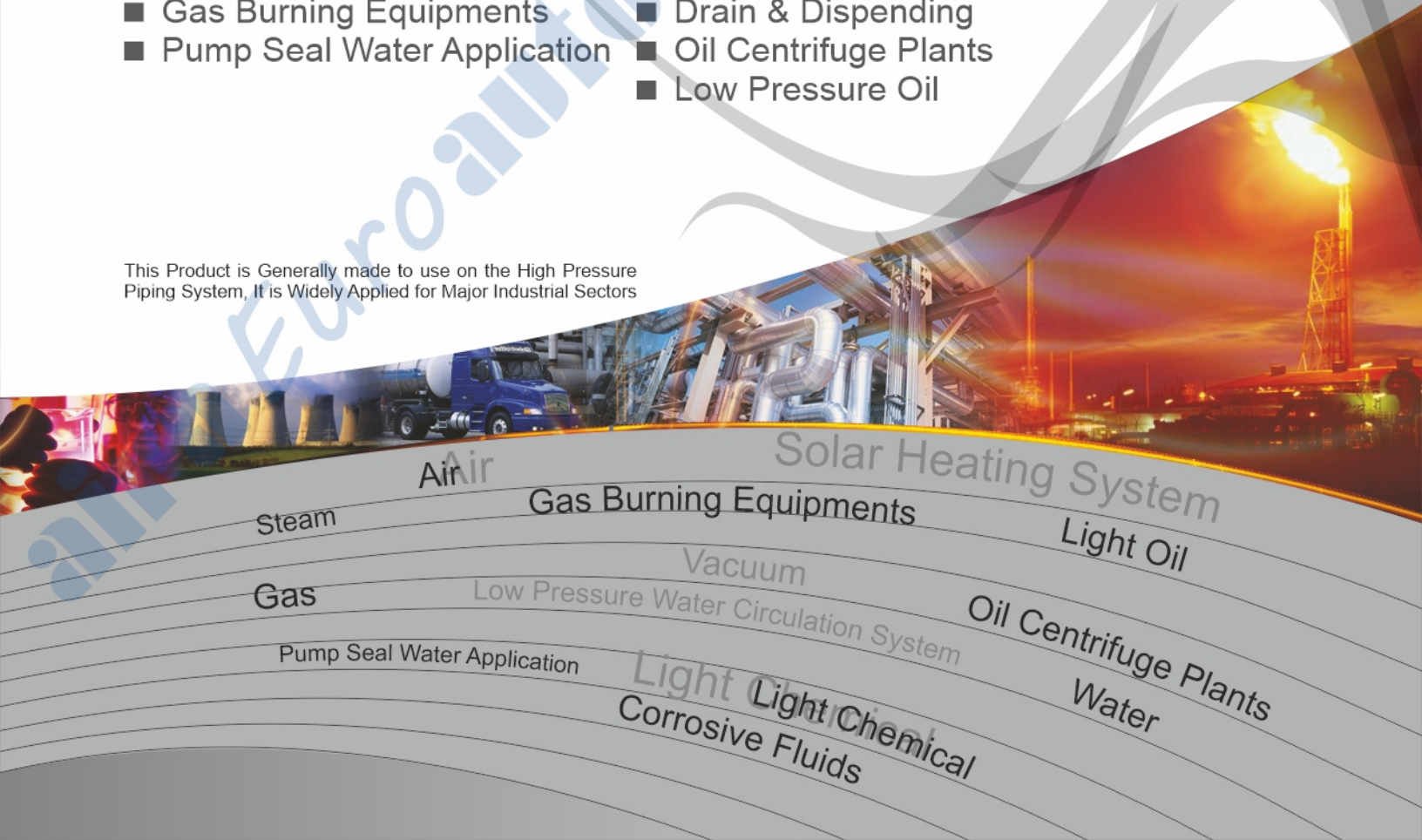
Installations

- Indian Oil
- Reliance Industries Limited
- ONGC
- Hindalco
- Godrej
- Indian Railway
- Vedanta
- Voltas
- NTPC
- Gujarat State Fertilizers & Chemical Ltd.
- L & T
- Gail
- Hindustan Petroleum
- BHEL
- IFFCO
- BARC
- Thermax
- Essar

Applications

- Air
- Water
- Gas
- Light Oil
- Light Chemical
- High Volume & Low Pressure Application
- Vacuum
- Corrosive Fluids
- Autoclaves
- Gas Burning Equipments
- Pump Seal Water Application
- Low Pressure Water Circulation System
- Solar Heating System
- Gas Generator
- Hot Water
- Steam
- High Temperature Fluids
- LD Oil
- Chemical
- Dust Collector Application
- Ceramic Filters
- Drain & Dispensing
- Oil Centrifuge Plants
- Low Pressure Oil

This Product is Generally made to use on the High Pressure Piping System, It is Widely Applied for Major Industrial Sectors



Air
Steam
Gas
Pump Seal Water Application
Solar Heating System
Gas Burning Equipments
Vacuum
Low Pressure Water Circulation System
Light Oil
Oil Centrifuge Plants
Water
Light Chemical
Corrosive Fluids



*time tested designs with
superior performance*

GLOBAL

Network



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industrial valve automation

Network

Head Office & Works
AHMEDABAD

● Branch Office & Showroom

AHMEDABAD	KIM (ANKLESHWAR)
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BAKROL	MUNDRA
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BARODA	MUZAFFARNAGAR
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BHOPAL	PALANPUR
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CHIPLUN (MAHARASHTRA)	RAJKOT
COIMBATORE	RAJASTHAN
DAHEJ	RAKHIAL (AHMEDABAD)
DELHI	RANICANJ (HYDERABAD)
FARIDABAD	SANAND
GANDHIDHAM	SECUNDERABAD
GHAZIABAD	SILVASSA (MAHARASHTRA)
GUWAHATI	SURAT
GWALIOR	TARAPUR
HYDERABAD	TRAJAPUR (RAJKOT)
HUBLI (KARNATAKA)	VIJAYWADA (ANDHRA PRADESH)
INDORE	UMARGAON (VAPI)
ICHALKARANJ (MAHARASHTRA)	VAPI
JAIPUR	VASAI
JODHPUR	VATVA
JHARKHAND	VIDHYANAGAR (ANAND)
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COCHIN	NOIDA
COIMBATORE	PANIPAT
DELHI	PEENYA
ERODE	PUNE
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GHAZIABAD	VARANASI
GOA	VISAKHAPATNAM
INDORE	WADI
JALANDHAR	KANPUR
JAMSHEDPUR	KOLHAPUR
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Mfg. & Mkt by :
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INDIA

Available At :



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