

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



www.airaindia.com



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

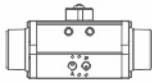
OHSAS (Occupational Health & Safety Management System)

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

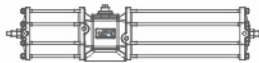
Pneumatic Actuator

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



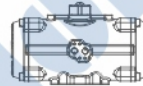
Scotch & Yoke Actuator

CE / ATEX / SIL-3



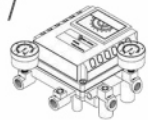
Stainless Steel Actuator

CE /
IEP ATEX



Positioner Enclosure

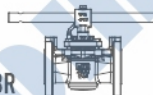
CE / CIMFR /
IP67 / BIS
/ PESO



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



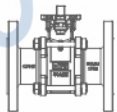
Limit Switch

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



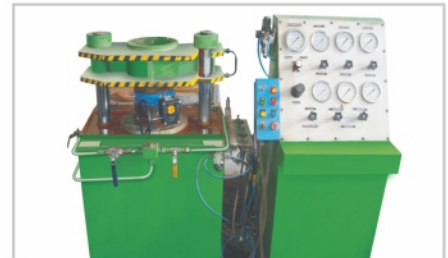
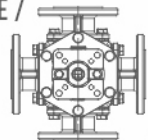
Butterfly Valve (centric / Double & Triple Eccentric)

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



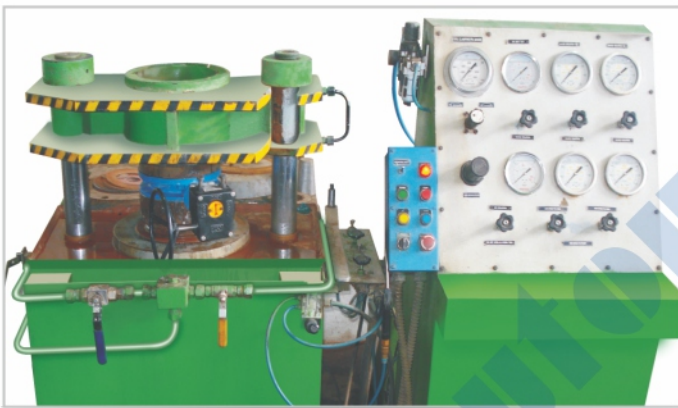
Multiport Ball Valve

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



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Company Profile



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2/2 Way Piston Type Operated High Pressure Solenoid Valve



"aira" Offers High Pressure 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 valves for the inflammable media / environment / Flameproof / Explosion Proof solenoid coil are available in such application.

Size Range : 1/4" to 2" Screwed / Flanged

Valves Specification	
Pressure	2 to 40 Bar
Temperature	90 OC
Coil Voltage	12V, 24V, 48V, 110V, 230V, AC/DC
Coil Insulation	"H" Class Suitable Upto 180 OC
Coil Encloser	IP 67 (Flame Proof / Watharprof / Explosion Proof as Per IS / IEC 60079-1 STD for Gas Group II C Zone 1 & 2
Coil Rating	Continuous Rated
Ends	Screwed / Flanged 150#
Media	Hot Water / LD Oil / Air / Water / Corrosive Media

Pressure
upto
40 bar



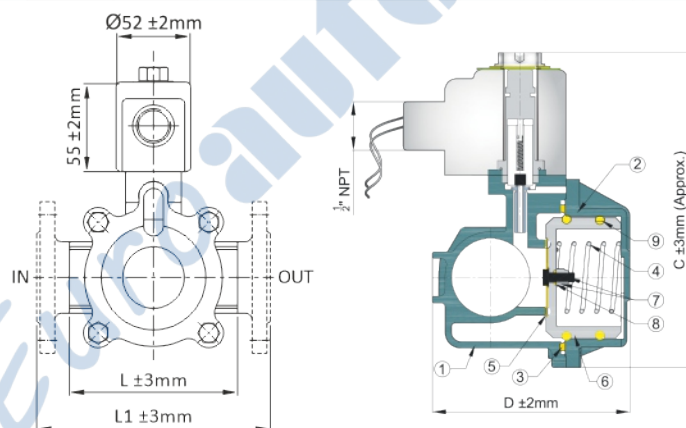
Model : HPSE

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
06	1/4"	17	1.8	2	28	26	24	28	26	24
10	3/8"	17	2.6	2	28	26	24	28	26	24
15	1/2"	17	3.4	2	28	26	24	28	26	24
20	3/4"	20	5.2	2	32	28	24	32	28	24
25	1"	25.5	8.5	2	34	28	17	34	28	17
32	1.1/4"	38	14.0	2	34	25	17	34	25	17
40	1.1/2"	38	17.3	2	34	25	22	34	25	22
50	2"	47.5	30.5	2	30	25	22	30	25	22

Caution

- Do not use in steam media
- Max. Temp. 90 OC for Hot Water
- Avoid Back Pressure
- INSTALLATION OF "FILTER" IN INLET SIDE IS HIGHLY RECOMMENDED



Dimensions :

Valve Model	Valve Size		L S / E	L1 F / E	C Approx.	D	Weight Approx.	
	MM	Inch					S / E	F / E
HPSE - 6	6	1/4"	65.50	130	139.50	69		
HPSE - 10	10	3/8"	65.50	130	139.50	69		
HPSE - 15	15	1/2"	65.50	130	139.50	69	1.250	1.650
HPSE - 20	20	3/4"	80	150	148	80	1.600	2.100
HPSE - 25	25	1"	95	160	163	96	2.050	2.800
HPSE - 32	32	1.1/4"	119	180	176	114	2.900	4.200
HPSE - 40	40	1.1/2"	119	200	176	114	2.900	4.200
HPSE - 50	50	2"	137	230	195	132	4.050	6.150

Note : Flange Dimensions as per 150#.

(All Dimensions are in mm)

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)]

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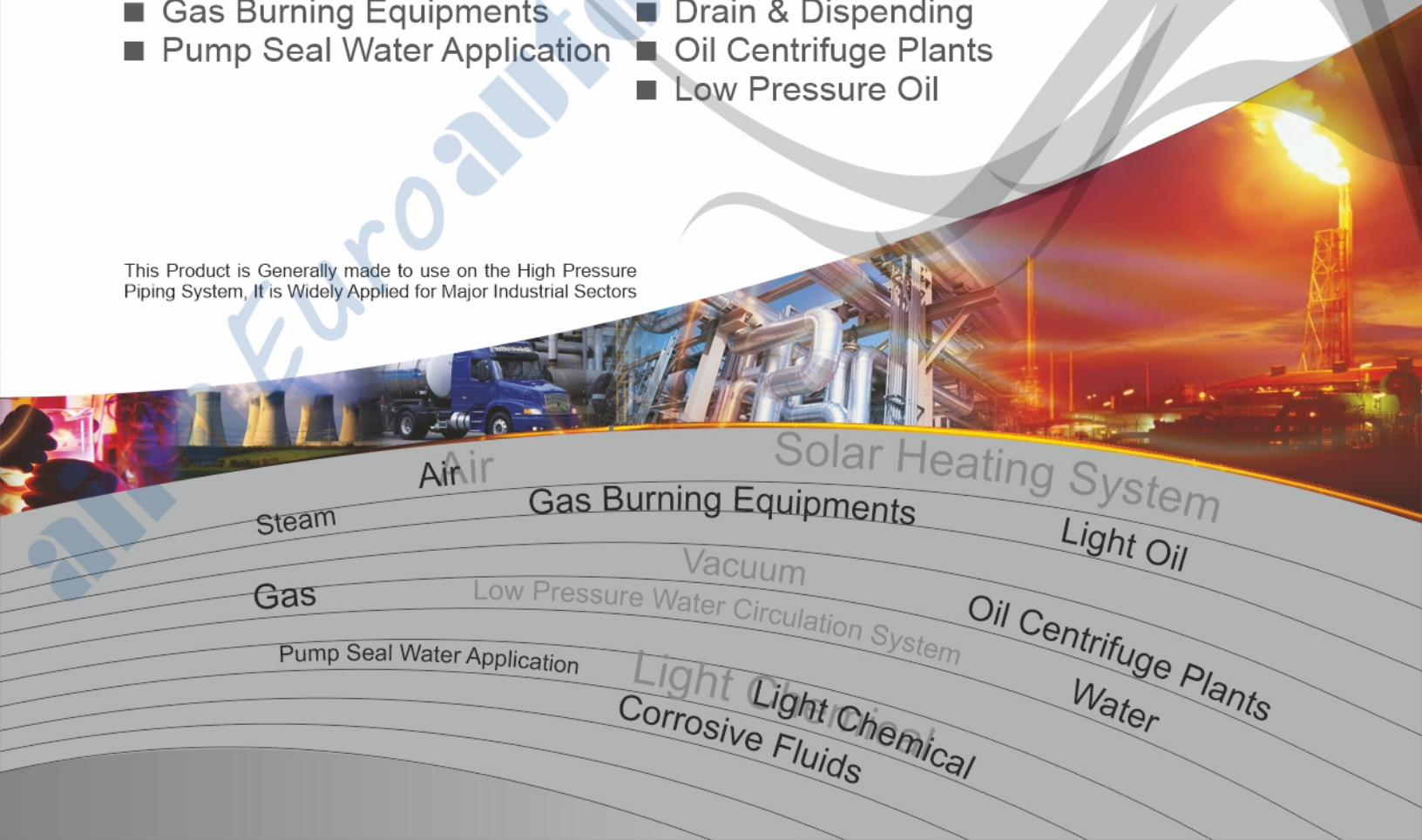
Installations

- 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 (ANKLISHWAR)
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CHIPLUN (MAHARASHTRA)	RAJKOT
COIMBATORE	RAJASTHAN
DAHEJ	RAKHIAL (AHMEDABAD)
DELHI	RANICANJ (HYDERABAD)
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GUWAHATI	SURAT
GWALIOR	TARAPUR
HYDERABAD	TRAJAPUR (RAJKOT)
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INDORE	UMARGAON (VAPI)
ICHALKARANJ (MAHARASHTRA)	VAPI
JAIPUR	VASAI
JODHPUR	VATVA
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INDIA

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