

Your Solution
Partner In
Industrial Valve Automation...



2/2 WAY ANGLE TYPE ON/OFF SINGLE & DOUBLE ACTING Control Valve

**MODEL :
ASV & TOF**



Mfg. & Mkt by

aira Euroautomation pvt. ltd.

INDIA

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).

QMS (Quality Management System)

ISO 9001 : 2015

EMS (Environment Management System)

ISO 14001 : 2015

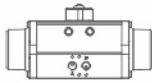
OHSAS (Occupational Health & Safety Management System)

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

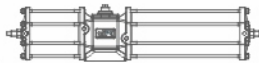
Pneumatic Actuator

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



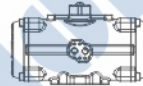
Scotch & Yoke Actuator

CE / ATEX / SIL-3



Stainless Steel Actuator

CE /
IEP ATEX



Positioner Enclosure

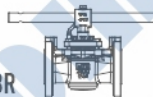
CE / CIMFR /
IP67 / BIS
/ PESO



aira's
SOME OF OUR
Certificates

Plug Valve

FUGITIVE EMISSIONS
TEST
AS PER ISO
15848-1 / IBR



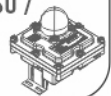
Flameproof Solenoid Valve

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



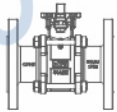
Limit Switch

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 / API 6D / API 607 /
EXIDA SIL-3



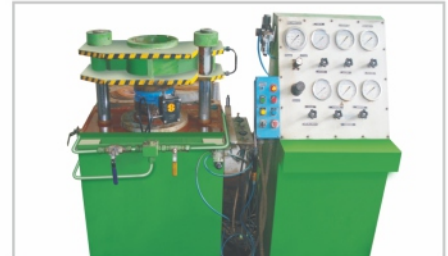
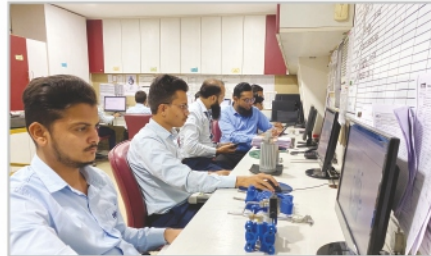
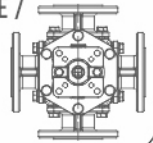
Butterfly Valve (centric / Double & Triple Eccentric)

FIRE SAFE TEST DESIGN /
FUGITIVE EMISSIONS TEST
AS PER ISO 15848-1 / CE /
PED / API 609 / EXIDA SIL-3
/ IBR / PROOF OF DESIGN /
FOOD GRADE / BIS / ISI

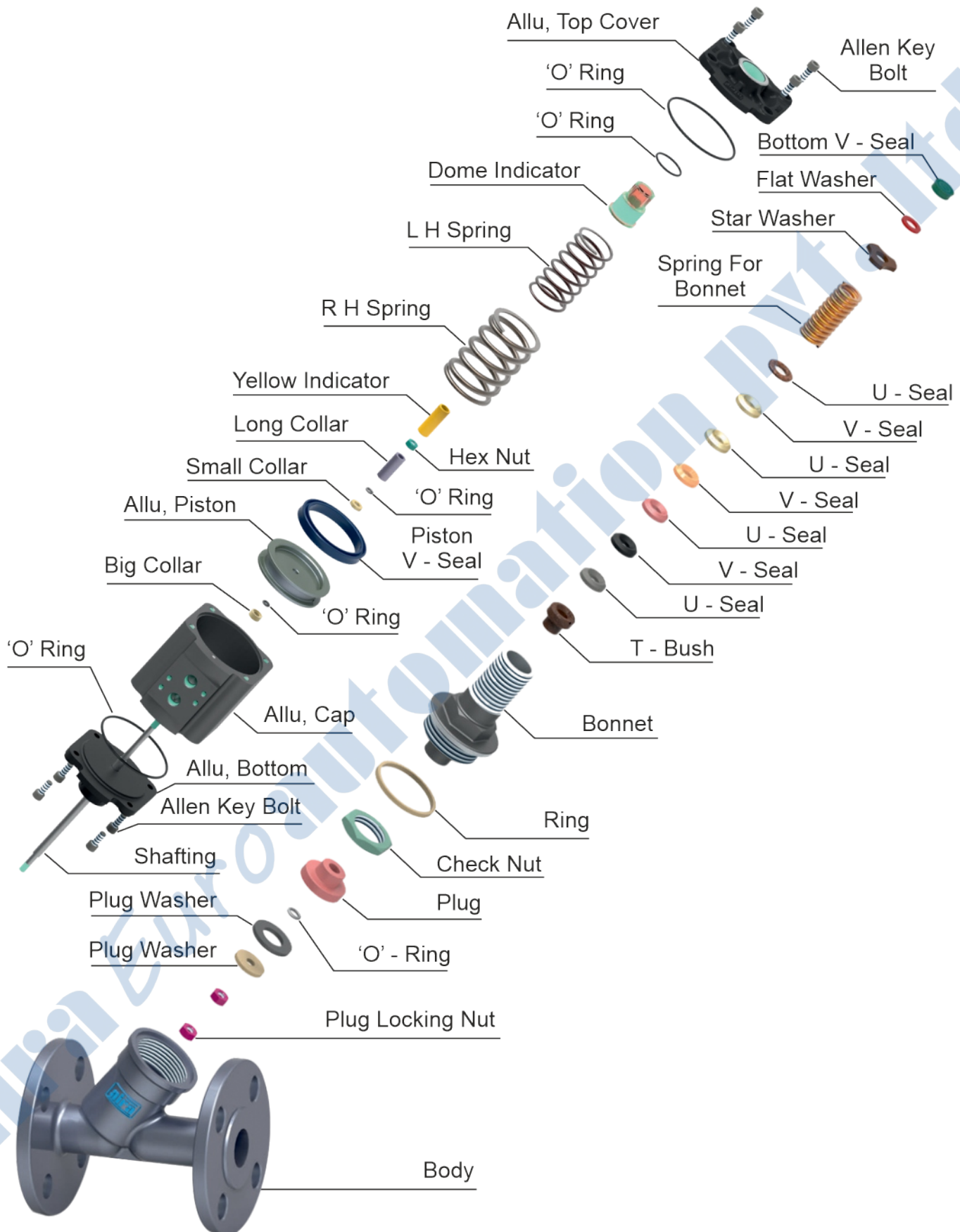


Multiport Ball Valve

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



2/2 Way Angle Type On/Off Single & Double Acting Control Valve



2/2 Way Angle Type On/Off Single & Double Acting Control Valve

"aira" Offers 2/2 Way Pneumatic Actuator Operated Investment Casting Angle Type Controls Valve. It has two working types, Double Acting & Single Acting

Size Range : 1/2" to 3" Screwed / Flanged

Actuator Specification		Actuator Type
Port Connection	1/4" BSP (NPT On Request)	Double Acting
Operating Pressure	4.5 to 7 BAR 1/2" to 2" / 5 to 7 BAR 2.1/2" to 4"	Single Acting
Operating Cycles	350 to 650 Cycles / Hr.	Normally Open
Media	Dry Lubricated Air / Inner Gases (Hydint Moisture Separator are advised to use in line)	

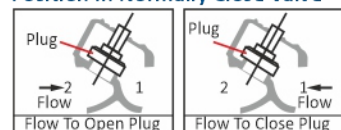
Valve Specification	
Body Test Press.	10 Bar Max. (12 Kg One Size Higher Actuator & 16 Kg Two Size Higher Actuator)
Working Pressure	Upto 10 Bar
Working Temperature	PTFE 180°C / CFT 220°C
Leakage	As per ANSI B16, 16.104 Leakage Class VI Shut Off Tight / Bubble Tight
Media	Air / Water / Oil / Gas / Steam & Chemical



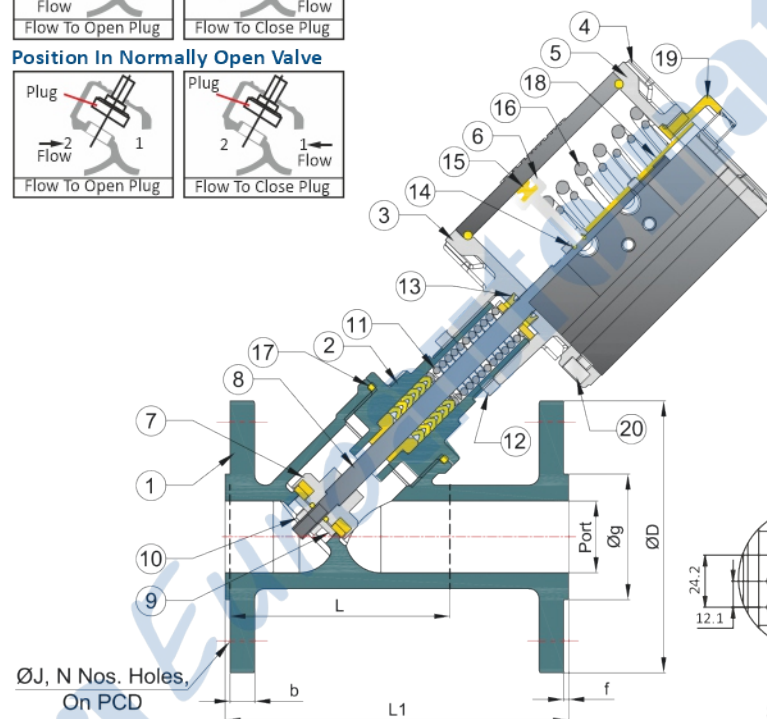
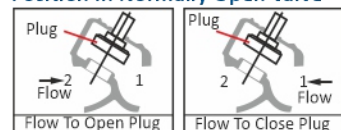
Model : ASV

Model : TOF & DSV

Position In Normally Close Valve



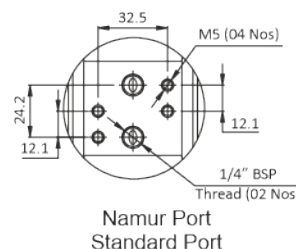
Position In Normally Open Valve



Sr. No.	Description	Material
1	Body	CF8 / CF8M / CF3M
2	Bonnet	CF8 / CF8M / CF3M
3	Flange Bottom Cover	Aluminium
4	Flange Top Cover	Aluminium
5	Act. Cap	Aluminium
6	Piston	Aluminium
7	Plug	S. S. 304
8	Plug + Piston Shaft	S. S. 304
9	Plug Washer (S.S.)	S. S. 304
10	Lock Nut For Plug	S. S. 304
11	Spring For Bonnet	S. S.
12	Lock Nut For Flange	S. S.
13	V - Seal For Flange	High Nitrile
14	O - Ring For Flange Top & Bottom	High Nitrile
15	V - Seal For Piston	High Nitrile
16	Spring For Piston	Spring Steel
17	Teflon For Body	PTFE
18	Indicator	Nylon / Aluminium
19	Dome Indicator	Nylon
20	Socket Head Cap Screw	Std.

Accessories

- 3/2 & 5/2 Way Namur Solenoid Valve
- Pilot Valve
- On / Off Type Limit Switch
- Combination (Filter + Regulator)
- Moisture Separator
- Quick Exhaust Valve
- Micro Limit Switch Box



Namur Port
Standard Port

* L - Screwed Dimensions
* L1 - Flanged Dimensions

Dimensions :

Valve Model	Valve Size		L S/E	TOF Model Flange Dimensions										DSV Model Flange Dimensions										Weight (Approx.)		
	Inch	MM		L1	Port	ØD	b	Øg	f	ØJ	N	PCD	L1	Port	ØD	b	Øg	f	ØJ	N	PCD	ASV	TOF	DSV		
ASV / TOF / DSV - 15	1/2"	15	65	107.9	12.5	90	8	34.9	2	15.9	4	60.3	130.6	12.5	88	8	34.9	1.6	15.9	4	60.3	1.480	1.980	1.930		
ASV / TOF / DSV - 20	3/4"	20	75	117.3	17	100	8.9	42.9	2	15.9	4	69.9	151	19	98	7.5	42.9	1.6	15.9	4	69.9	1.620	2.320	2.200		
ASV / TOF / DSV - 25	1"	25	90	127	24	110	9.6	50.8	2	15.9	4	79.4	161.5	25	107.9	8.65	50.8	1.6	15.9	4	79.4	2.550	3.760	2.820		
ASV / TOF / DSV - 32	1.1/4"	32	102	139.7	30	115	11.2	63.5	2	15.9	4	88.9	----	----	----	----	----	----	----	----	----	3.050	4.420	----		
ASV / TOF / DSV - 40	1.1/2"	40	125	165.1	37	125	12.7	73	2	15.9	4	98.4	190	38	127	8.65	73	1.6	15.9	4	98.4	3.720	5.700	4.780		
ASV / TOF / DSV - 50	2"	50	151	178	49	150	14.3	92.1	2	19.05	4	120.7	230	49	152.4	8.65	92.1	1.6	15.9	4	120.7	4.340	7.780	5.720		
TOF - 65	2.1/2"	65	----	190.5	64	180	15.9	104.8	2	19.05	4	139.7	----	----	----	----	----	----	----	----	----	----	14.240	----		
TOF - 80	3"	80	----	203.2	75	190	17.5	127	2	19.05	4	152.4	----	----	----	----	----	----	----	----	----	----	18.560	----		

(All Dimensions are in mm)

Pneumatic - Pneumatic & Electro Pneumatic ROTARY Valve Positioner



Electro - Pneumatic
Input Signal : 4 ~ 20 mA DC
Supply Air Pressure : 20 ~ 100 psi Max.
 (7.0 Kg/cm²)
Standard Stroke : 10 ~ 80 mm
Air Pipe Connection : 1/4" NPT
Ambient Temperature : -20 °C to 70 °C
Degree of Protection : IP 65
Out-put Characteristics : Rotary
Conduit Connection : 1/2" NPT
Body Material : Aluminium Die Cast



Pneumatic - Pneumatic & Electro Pneumatic LINEAR Valve Positioner



Electro - Pneumatic
Input Signal : 3 ~ 15 (0.2 ~ 1.0 Kg/cm²)
Supply Air Pressure : 100 psi Max.
 (7.0 Kg/cm²)
Standard Stroke : 10 ~ 80 mm
Air Pipe Connection : 1/4" NPT
Ambient Temperature : -20 °C to 70 °C
Degree of Protection : IP 65
Out-put Characteristics : Linear
Conduit Connection : 1/2" NPT
Body Material : Aluminium Die Cast



SMART Positioner LINEAR



Model : IP 6000 Series
Body : Aluminium
Set Point Signal : 4 - 20mA DC
Ambient Temperature : Normal Version : -20 °C ~ 70 °C
 Optional Version : -40 °C ~ 70 °C
Supply Pressure : 0.14 - 0.7 MPa
Flow : 55L/min (Sup=0.14MPa)

Weatherproof MICRO Limit Switch Box



Model : MMLS-BX-WP-01-A
 MMLS-BX-WP-01-B
 MMLS-BX-WP-01-C
Switch : Honeywell ZM / NJ2-V3-N /
 NBB-V3-Z4
Type : 1 NO + 1 NC / 2 Switch
Enclosure Protection : IP 67
Ambient Temperature : -20 °C to 80 °C
Conduit Entry : 1/2" - NPT
Terminal : 8 Point
Mounting Bracket : Namur VDI / VDE3845 / ISO 5211
Material : Aluminium Die Cast

Flameproof Limit Switch Box



Model : MLS-BX-FLP-01-A
 MLS-BX-FLP-01-B
 MLS-BX-FLP-01-C
 MLS-BX-FLP-01-D
Switch : Honeywell V15 / Honeywell
 V 15 PCB Type / NCB2-V3-NO /
 NJ2-V3-N / NBB-V3-Z4 / NBB3-V3-Z4
Type : 1 NO + 1 NC / 2 NO + 2 NC / 2 Switch
Enclosure Protection : IP 68
Ambient Temp. : -20 °C to 80 °C
Conduit Entry : 1/2" - NPT
Terminal : 8 Point
Mounting Bracket : Namur VDI / VDE3845 / ISO 5211
Material : Aluminium Die Cast



Flameproof Limit Switch Box STAINLESS STEEL 304 / 316



Model : LS4-BX-FLP-01-A / LS6-BX-FLP-01-A
 LS4-BX-FLP-01-B / LS6-BX-FLP-01-B
 LS4-BX-FLP-01-C / LS6-BX-FLP-01-C
 LS4-BX-FLP-01-D / LS6-BX-FLP-01-D
Switch : Honeywell V15 / Honeywell
 V 15 PCB Type / NCB2-V3-NO /
 NJ2-V3-N / NBB-V3-Z4 / NBB3-V3-Z4
Type : 1 NO + 1 NC / 2 NO + 2 NC / 2 Switch
Enclosure Protection : IP 67
Ambient Temp. : -20 °C to 80 °C
Conduit Entry : 1/2" - NPT
Terminal : 8 Point
Mounting Bracket : Namur VDI / VDE3845 / ISO 5211
Material : ASTM A351 Gr. CF8 / CF8M / CF3M



Weatherproof Limit Switch Box (Big Box)



Model : MLS-BX-01-A / MLS-BX-01-B
 MLS-BX-01-C / MLS-BX-01-D
Switch : Honeywell V 15 / NJ2-V3-N /
 NBB-V3-Z4 / NCB2-V3-NO
Type : 1 NO + 1 NC / 2 NO + 2 NC /
 2 Switch
Enclosure Protection : IP 67
Ambient Temperature : -20 °C to 80 °C
Conduit Entry : 1/2" - NPT
Terminal : 8 Point
Mounting Bracket : Namur VDI / VDE3845 /
 ISO 5211
Material : Aluminium Die Cast



Weatherproof Limit Switch Box STAINLESS STEEL 304 / 316



Model : MLS4-BX-01-A / MLS4-BX-01-B
 MLS4-BX-01-C / MLS4-BX-01-D
Switch : Honeywell V 15 / NJ2-V3-N /
 NBB-V3-Z4 / NCB2-V3-NO
Type : 1 NO + 1 NC / 2 NO + 2 NC /
 2 Switch
Enclosure Protection : IP 67
Ambient Temperature : -20 °C to 80 °C
Conduit Entry : 1/2" - NPT
Terminal : 8 Point
Mounting Bracket : Namur VDI / VDE3845 /
 ISO 5211
Material : ASTM A351 Gr. CF8 / CF8M / CF3M



3/2 Way Namur Direct Acting Solenoid Valve



Model	: NAM-SA-32
Coil Voltage	: All Std. Voltage Available
Frequency	: 50 - 60 Hz
Connection Type	: 1/4" (NPT)
Conduit	: PF 1/2"
Coil Insulation Grade	: Class "F"
Ambient Temp.	: -20 °C ~ 70 °C
MOC	: Aluminium
Seals	: NBR (Viton On Request)
Working Pressure	: Upto 0 to 10 Kg/cm ²

5/2 Way Convertible Poppet Type SINGLE & DOUBLE Namur Solenoid Valve



Model	: OTX-ALU-52 / 2OTX-ALU-52
Coil Voltage	: All Std. Voltage Available
Frequency	: 50 - 60 Hz
Connection Type	: 1/4" (NPT)
Conduit	: PF 1/2"
Coil Insulation Grade	: Class "F"
Ambient Temp.	: -20 °C ~ 70 °C
MOC	: Aluminium
Seals	: NBR (Viton On Request)
Working Pressure	: Upto 2.5 to 10 Kg/cm ²

3/2 Way Internal Pilot Operated STAINLESS STEEL 316 Single Namur Solenoid Valve



Model	: MPT-S6-32
Coil Voltage	: All Std. Voltage Available
Frequency	: 50 - 60 Hz
Connection Type	: 1/4" (NPT)
Conduit	: PF 1/2"
Coil Insulation Grade	: Class "F" & "H"
Ambient Temp.	: -20 °C ~ 70 °C
MOC	: ASTM A351 Gr. CF8M
Seals	: NBR (Viton On Request)
Working Pressure	: Upto 2.5 to 10 Kg/cm ²

5/2 Way Poppet Type STAINLESS STEEL 316 Single Namur Solenoid Valve



Model	: OTX-S6-52
Coil Voltage	: All Std. Voltage Available
Frequency	: 50 - 60 Hz
Connection Type	: 1/4" (NPT)
Conduit	: PF 1/2"
Coil Insulation Grade	: Class "F" & "H"
Ambient Temp.	: -20 °C ~ 70 °C
MOC	: ASTM A351 Gr. CF8M
Seals	: NBR (Viton On Request)
Working Pressure	: Upto 2.5 to 10 Kg/cm ²

3/2 Way Midget Type Direct Acting Solenoid Valve



Model	: DMV
Size	: 1/4"
Body	: CF8 / CF8M / Brass / S.S 304
Orific	: 2
Pressure	: 7 Kg / cm ²
Temp.	: Upto -5 to 80 °C max.
Coil Rating	: Continuous Rated
Coil Insulation	: "F" Class & "H" Class For Flameproof
Media	: Air & Gas
Voltage	: 12V, 24V, 48V, 110V, 230V, AC/DC

3/2 Way Midget Type Direct Acting Solenoid Valve



Model	: MDV
Size	: 1/4"
Body	: CF8 / CF8M / Brass / S.S 304
Orific	: 2
Pressure	: 7 Kg / cm ²
Temp.	: Upto -5 to 80 °C max.
Coil Rating	: Continuous Rated
Coil Insulation	: "F" Class & "H" Class For Flameproof
Media	: Air & Gas
Voltage	: 12V, 24V, 48V, 110V, 230V, AC/DC

Filter + Regulator Air Combination



Model	: 4FQ / 8 FQ / FRJ / AFRS4
Air Connection	: 1/4"
Max. Supply Pressure	: 4FQ : 0.5 to 4 Kg / cm ² 8FQ : 0.5 to 8 Kg / cm ² FRJ : 1 to 9 Kg / cm ²
Gauge Connection	: 1/8"
Ambient Temp.	: -20 °C ~ 70 °C
Mini Filtering Size	: 5 Micron
Material	: Aluminium Pressure Die Cast / CF8 / CF8M

Air Volume Booster



Model	: VLB
Size	: 1/4" to 1"
MOC	: Aluminium
Seals	: NBR
Supply Pressure	: 10 Bar
Output Pressure	: 7 Bar
Temperature	: -20 °C ~ 70 °C

Single & Double Air Lock Valve



Model Single	: SALV
Model Double	: DALV
Size	: 1/4" to 3/4"
MOC	: Aluminium
Seals	: NBR
Supply Pressure	: 10 Bar
Output Pressure	: 7 Bar
Temperature	: -20 °C ~ 70 °C

Manual Override Clutch Type (MO)



Model	: AMO
Torque	: 200 Nm to 10000 Nm
Body	: Aluminium Pressure Die Cast / S. G. Iron
Lever Wheel	: Stainless Steel
Hand Wheel	: S.S. / M.S. (Fabricated)

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

Application

- Process & Chemical
- Refineries & Petrochemicals
- Drugs & Pharmaceuticals
- Thermal Power Stations
- Dyes & Intermediates
- Breweries & Distilleries
- Steel Plants
- Onshore & Offshore Platforms
- Steel Plants
- Solvent Extraction Plants
- Sewage
- Cooling Water
- Ship Yards & Marine Management
- LPG Bottling Plants
- Water Works
- Pulp & Paper
- Fertilizers
- Textiles
- Sugar
- Nuclear & Atomic Power Stations
- Paints & Varnishes
- Soaps & Detergents
- Slurry & Ash handling
- Food & Oil Industry
- Effluent & Water Treatment

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



Ship Yards & Marine Management
Thermal Power Station
Dyes & Intermediates

Marine Tankers- Ship Building

Military Application

Foundary

Process & Chemical

Pulp & Paper Plants

Water Treatment – Purification

Food Plants

Tobacco Industries

Steel & metal Plants

Chemical and Dyeing Fluids in Textile Processing

Solvent Extraction Plants

Nuclear & Atomic Power Stations



*time tested designs with
superior performance*

GLOBAL

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industrial valve automation

Network

Head Office & Works
AHMEDABAD

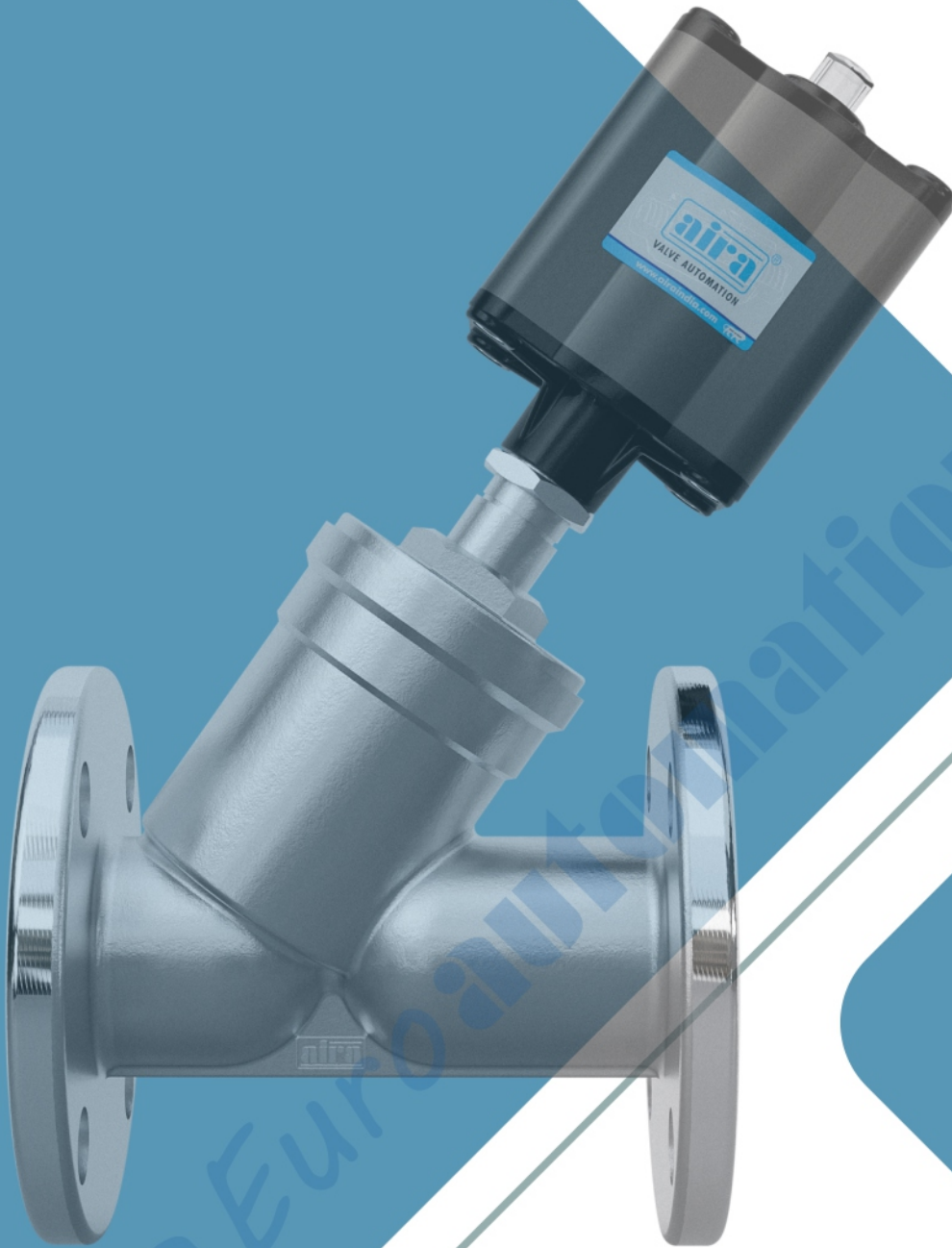
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ERODE	PUNE
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IBR



ISO 9001 : 2015
BUREAU VERITAS
Certification



Mfg. & Mkt by
aira Euroautomation pvt. ltd.
INDIA

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