

Your Solution Partner In
Industrial Valve Automation...

PLUG VALVE

2 WAY PLUG VALVE FLANGED END



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



About Us

Clients are why we exist!

We welcome and thank you for referring out detailed catalogue.

aira is know 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. Out 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

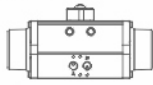
OHSAS (Occupational Health & Safety Management System)

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

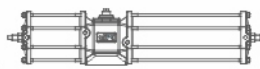
Pneumatic Actuator

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



Scotch & Yoke Actuator

CE / ATEX / SIL-3



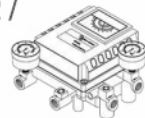
Stainless Steel Actuator

CE /
IEP ATEX



Positioner Enclosure

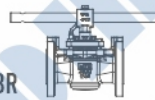
CE / CIMFR /
IP67 / BIS
/ PESO



aira's
SOME OF OUR
Certificates

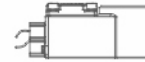
Plug Valve

FUGITIVE EMISSIONS
TEST
AS PER ISO
15848-1 / IBR



Flameproof Solenoid Valve

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



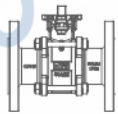
Limit Switch

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 / EXIDA SIL-3



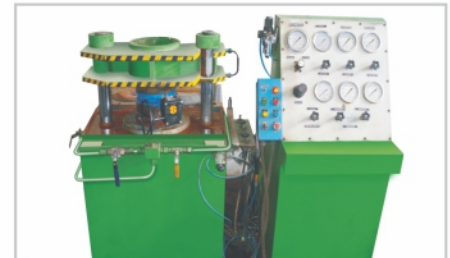
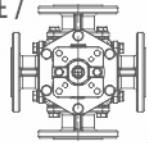
Butterfly Valve (centric / Double & Triple Eccentric)

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



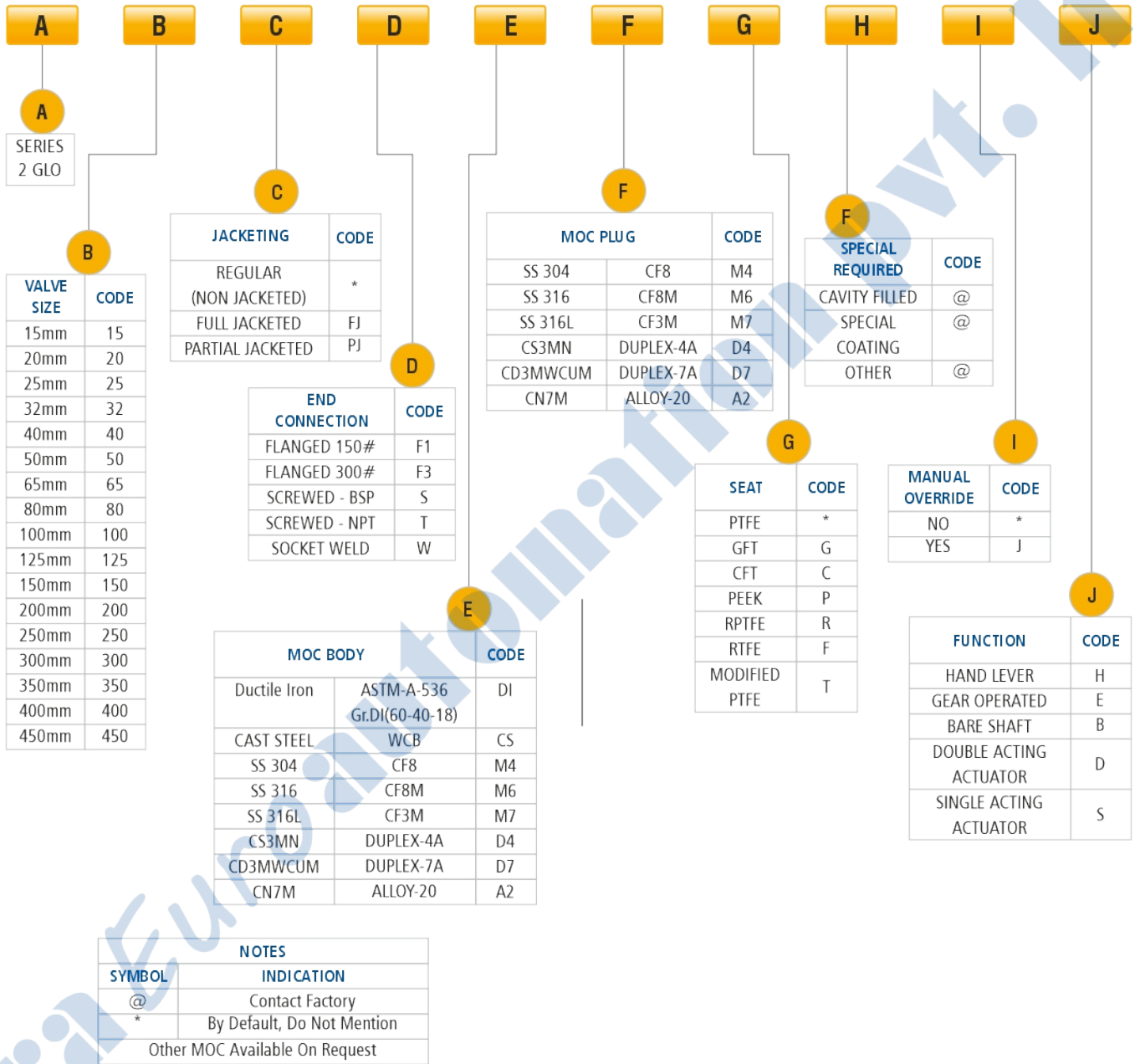
Warranty Information



**Best In Class
4 - Year Warranty**

Aira 'ARA' Actuator manufactured by Aira Euro Automation Pvt. Ltd. are warranted against defects in material or workmanship for a period of four years from date of shipment. Our sole obligation under this warranty is to repair or replace, at our option, any product Aira 'ARA' Actuator products manufactured by Aira Euro Automation Pvt. Ltd. are warranted against defects in material or workmanship for a period of four year from date of shipment. Our sole obligation under this warranty is to repair or replace, at our option, any product or any part or parts thereof found to be defective. Aira Euro Automation Pvt. Ltd. MAKES NO OTHER REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The warranty set forth above is the only warranty applicable to Aira Euro Automation Pvt. Ltd. products and in no event shall Aira Euro Automation Pvt. Ltd. be liable for any delay, work stoppage, cartage, shipping, loss of use of equipment, loss of time, inconvenience, loss of profits of any direct or indirect incidental resulting from or attributable to a breach of warranty. The remedies under this warranty shall be the only remedies available. OUR MAXIMUM LIABILITY SHALL NOT IN ANY EVENT EXCEED THE CONTRACT PRICE FOR THE PRODUCT.

PRODUCT CODING 2 WAY PLUG VALVES



EXAMPLE-1	2GLO 15F1CSM4GH	2GLO VALVE SIZE 15MM FLANGED 150# WCB BODY & CF8 PLUG GFT SLEEVE HAND LEVER OPERATED
EXAMPLE-2	2GLO 200JF1M6M6E	2GLO VALVE SIZE 200MM JACKETED FLANGED 150# CF8M BODY & CF8M PLUG PTFE SLEEVE GEAR OPERATED
EXAMPLE-3	2GLO 50SCM4D	2GLO VALVE SIZE 50 50MM SCREWED WCB BODY & CF8 PLUG PTFE SLEEVE DOUBLE ACTING ACTUATOR OPERATED

Torque & Cv Value

Torque Values			
BREAK AWAY TORQUE NM			
Valve Size		150#	300#
MM	Inch		
15	1/2"	18	26
20	3/4"	18	38
25	1"	36	46
32	1.1/4"	46	52
40	1.1/2"	55	64
50	2"	114	135
65	2.1/2"	131	142
80	3"	162	175
100	4"	221	240
125	5"	295	325
150	6"	450	500
200	8"	750	805
250	10"	1400	1655
300	12"	1900	3500
350	14"	2500	
400	16"	5200	
450	18"	9000	
500	20"	13000	

ACTUATOR SELECTION MULTIPLY THE ABOVE VALUES BY THE FOLLOWING FACTORS (F) TO GET THE ACTUATOR TORQUE.

SERVICE	FACTOR 'F'
RAW WATER	1.35
WET SERVICE	1.35
STEAM	1.25
GAS	1.40
SLURRY	1.80
VISCOUS LIQUID	2.00

Notes :

- For GFT, CFT, GRFT & SS Filled PTFE Seats
Multiply The Above Values By 1.2
- For Torque of lined valves please contact marketing person.

Flow Co - Efficients		
Valve Size		Plug Valve Cv
MM	Inch	
15	1/2"	9
20	3/4"	14
25	1"	44
32	1.1/4"	66
40	1.1/2"	92
50	2"	175
65	2.1/2"	245
80	3"	290
100	4"	545
125	5"	650
150	6"	1070
200	8"	1580
250	10"	2165
300	12"	3159
350	14"	3300
400	16"	6400
450	18"	6500
500	20"	9200

Flow Coefficient (Cv) is a basic industry wide standard which is defined as "The rate of flow of water in US gallon's per minute that will generate a pressure drop of one pound per square inch across the valve".

$$Cv = \frac{Q}{\sqrt{\frac{\Delta P}{SG}}}$$

WHERE,

- Q** = FLOW RATE IN US gal / min
- SG** = SPECIFIC GRAVITY OF LIQUID (WATER =1)
- ΔP** = PRESSURE DROP ACROSS THE VALVE, PSI
- Ky** = Cv / 1.17

Pressure Test Chart

Test Pressure & Duration As Per API 598						
Pressure Rating	Hydro Test Pressure		Valve Size	Test Duration In Seconds		
	Body (Kg/cm ²)	Seat (Kg/cm ²)		Body (Minutes-Seconds)	Seat (Minutes-Seconds)	Back Seat (Minutes-Seconds)
150#	30	22	2" & Smaller	0.25 - 15	0.25 - 15	0.25 - 15
300#	80	58	2.1/2" to 6"	1 - 60	1 - 60	1 - 60
600#	155	115	8" to 12"	2 - 120	2 - 120	1 - 60
800#	211	151	14" & Larger	5 - 300	2 - 120	1 - 60
900#	233	170				
1500#	393	286				
2500#	653	478				

Pneumatic (Air) Testing Only For Seat 7 Kg/cm²

Test Pressure & Duration As Per BS EN 12266-1						
Pressure Rating	Body (Kg/cm ²)	Seat (Kg/cm ²)	Valve Size	Test Duration In Seconds		
				Body (Minutes-Seconds)	Seat (Minutes-Seconds)	
PN 10	15	11				
PN 16	24	18				
PN 25	40	28	2" & Smaller	0.25 - 15	0.25 - 15	
PN 40	60	45	2.1/2" to 6"	1 - 60	1 - 60	
			8" to 12"	2 - 120	2 - 120	
PN 64	100	71	14" & Larger	5 - 30	2 - 120	

Hydraulic Testing



Plug Valve Features

General

"aira" Non lubricated Sleeved & Lined Plug Valve are designed in accordance with API 599 for ANSI Class Ratings 150 & 300. Nominal sizes from 1/2" to 16" Valves Have been design for use with various combinations of material Such as : Carbon Steel, Low Carbon Steel, Special Alloy, Stainless Steel, Monel, Inconel. 2 Way and Multiport Plug Valves are available for variety of applications.

Unmatched Superior Sealing. Bi-directional Zero leakage.

Primary sealing by PTFE sleeve with high pressure ribs for In-line sealing. Second by wedge ring. Independent Tertiary sealing by diaphragm. Leaving absolutely no chance for atmospheric leakage.

This gives highest level of sealing when compared to any other valve design. (When compared with conventional ball valve, butterfly valve, gate valve, globe valve designs)

Inherently Cavity Free.

No dead space. No fluid accumulation. No contamination. No sticking of media on plug.

360° port lips.

360° port lips provide a self-cleaning action to remove scaling and adhering media. PTFE even through high grade plastic which is vulnerable to cold flow (permanent deformation) when subjected to varying loads and temperature. In a plug valve the 360° port acts along with upper and lower boundary restrict the sleeve preventing cold flow.

Less Joints. Less Problems.

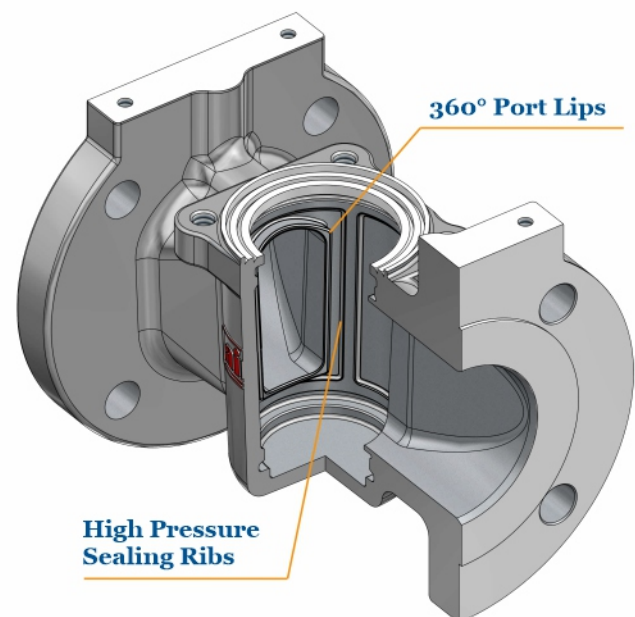
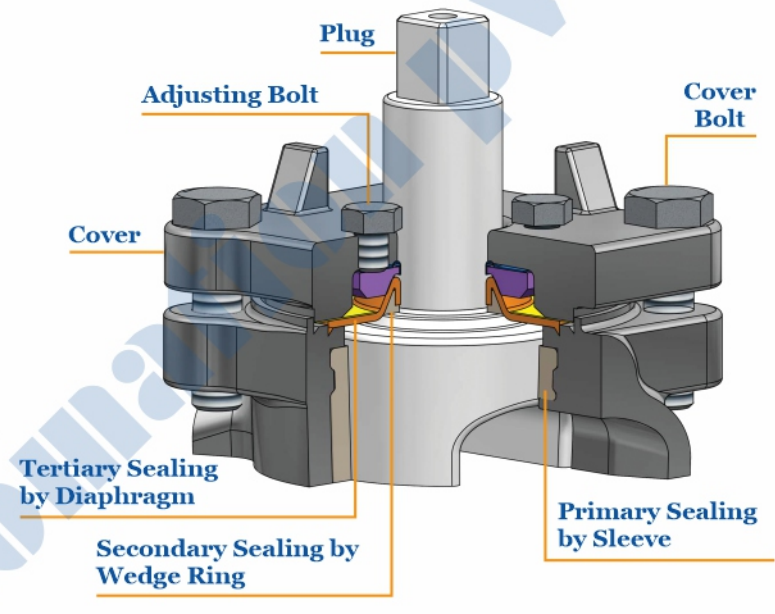
Single piece body, tapered plug, cover. Improved monolithic compact design ensures lower costs and better performance.

No maintenance.

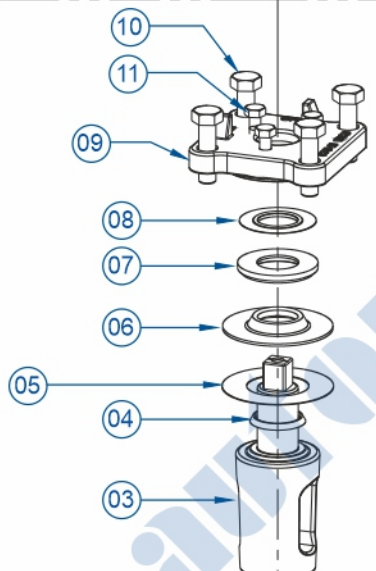
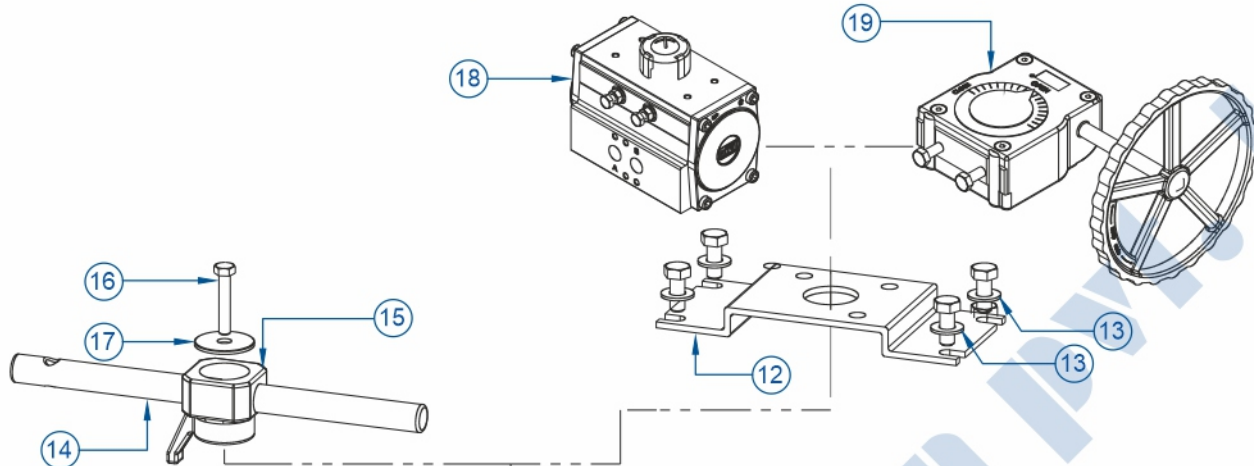
In case of PTFE sleeve wear from usage, a slight turn of adjusting bolt presses the plug down regaining sealing pressure making valve as good as new. No lubrication is needed even after long period of inactivity, thanks to low co-efficient of friction of PTFE sleeves and smooth finished surface of plug. And even in case of regular maintenance plug valves are top entry valves, hence, need not be removed from the line and can be easily serviced.

Construction & Working

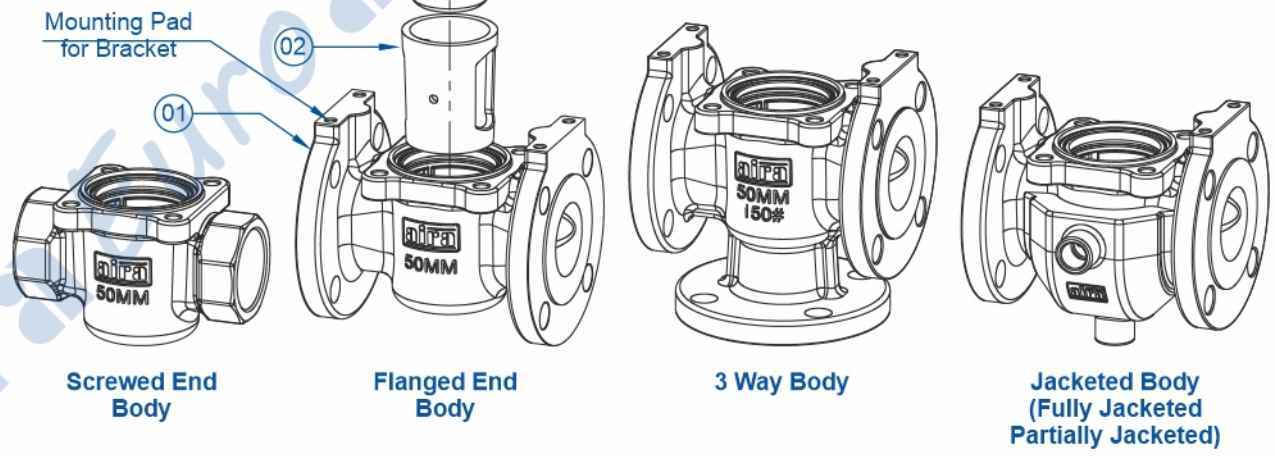
Basic structure is plug, sleeve, body. Sleeve is inserted inside the body. Tapered plug is inserted into the sleeve. The sleeve acting as a soft seat completely surrounds plug creating areal sealing surfaces. Also not permitting any dead space in the flow path. Plug is rotating 90 degree. When it is aligned with the body port, flow is open. When the plug is rotated so that plug port is perpendicular to the body port the flow is blocked. The media kept in the plug while at closed position, will be contained in the plug port only, and when the valve is open again, the flow will flush the media out.



Plug Valve Exploded View



Sr. No.	Description	Material
01	Body	Ductile Iron / WCB / CF8 / CF8M / CF3M
02	Sleeve	PTFE / CFT / GFT
03	Plug	CF8 / CF8M / CF3M
04	PTFE Wedge Ring	PTFE / CFT / GFT
05	Metal Diaphragm	S. S. 304
06	PTFE Diaphragm	PTFE / CFT / GFT
07	Thrust Collar	S. S. 304
08	Static Eliminator	S. S. 304
09	Cover	WCB / CF8 / CF8M / CF3M
10	Hex Bolt (Cover to Body)	S. S. 304
11	Plug Adjusting Bolt	S. S. 304
12	Bracket	S. S. 304 / S. S. 316
13	Act. Bracket Fitting Bolt + Washer	S. S. 304
14	Handle	S. S. 302
15	Coupler	S. S. 304
16	Hex Bolt	S. S. 304
17	Washer	S. S. 304
18	Actuator	STD.
19	Gear Box	STD.



“aira” 2 Way Plug Valve Flanged End 150# & 300#



aira Plug valves are designed to offer superior performance in various industrial applications. Design inherent reduction in pressure drop leads to higher efficiency and better flow rates. Long service life, unmatched sealing capacity and ease of maintenance thanks to ingenious design make the **aira** plug valves a preferred choice in severe service conditions.

Size Range : 1/2" to 18" (15 MM to 450 MM) 150# & 300# Standard

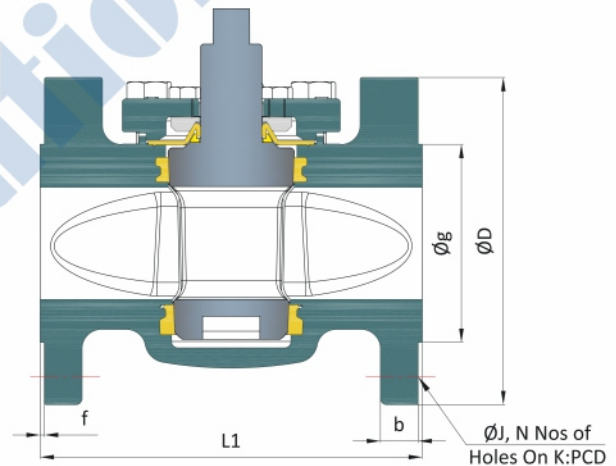
Design And Mfg. Std.	: API 599 / BS 5353
Valve Face To Face Dimension	: ASME B 16.10
Flange Standard Conformity	: ASME B 16.5 Class 150# / 300#
Inspection & Testing	: API 598 / EN 12266 - 1
Leakage Class	: CLASS VI ISO - 5208



“FIRE SAFE VALVES ARE
AVAILABLE ON REQUEST”

Accessories

- On / Off Indicator
- Namur Standard Solenoid Valve in all standard Coil Voltage Flameproof Coil Available
- Pneumatic - Pneumatic Valve Positioner
- Electro - Pneumatic Valve Positioner
- Smart Positioner
- Manual Over Ride
- Limit Switch for On / Off Indication at panel board
- Filter + Regulator Combination with Pressure gauge
- Air Lock Valve


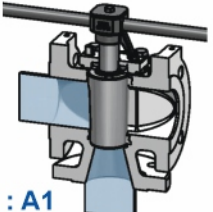
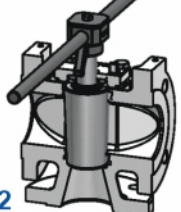
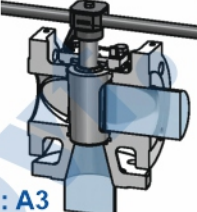

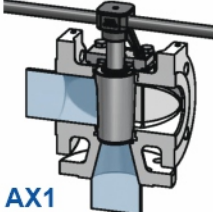


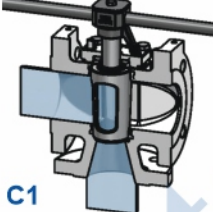
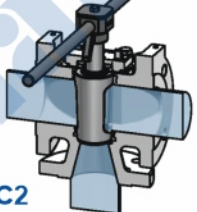
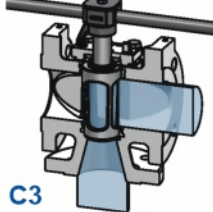

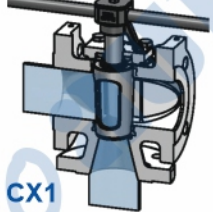
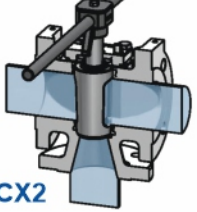

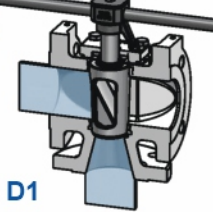
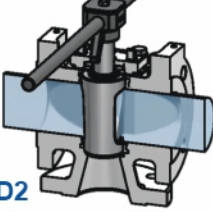
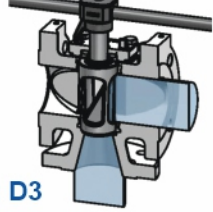

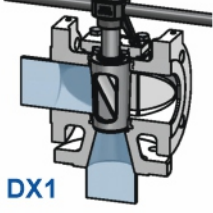
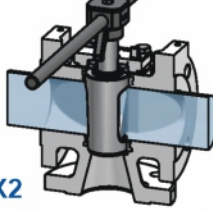


Dimensions Valve Size MM Inch	150# Dimensions Table									300# Dimensions Table								Weight Approx. Kgs.	
	L1	ØD	Øg	b	f	ØJ	N	PCD	L1	ØD	Øg	b	f	ØJ	N	PCD	150#	300#	
15	1/2"	108	90	34.9	9.6	2	15.88	4	60.3	140	95	34.9	13	2	15.88	4	66.7	2.20	2.45
20	3/4"	117	100	42.9	11.12	2	15.88	4	69.9	152	115	42.9	14.8	2	19.05	4	82.6	2.40	3.40
25	1"	127	110	50.8	12.7	2	15.88	4	79	165	125	50.08	16	2	19.05	4	88.9	3.95	5.45
32	1.1/4"	140	114.58	63.5	14.5	2	15.88	4	88.9	178	135	63.5	18.5	2	32	4	98.4	4.40	6.30
40	1.1/2"	165	124.87	73	15.93	2	15.88	4	98.4	190	155	73	19.49	2	22.23	4	114.3	6.50	9.00
50	2"	178	150	92.1	17.5	2	19.05	4	120.7	216	165	92.2	21	2	19.05	8	127	10.50	12.60
65	2.1/2"	190	180	104.8	20.7	2	19.05	4	139.7	241	190	104.8	24.4	2	22.23	8	149.2	14.40	16.70
80	3"	203	189.77	127	22.3	2	19.05	4	152.4	282	210	127	27.5	2	22.23	8	168.3	16.75	21.60
100	4"	229	230.16	157.2	23.35	2	19.05	8	190.5	305	255	157.2	30.2	2	22.23	8	200	25.05	35.60
125	5"	254	255	181.7	23.3	2	22.23	8	215.9	381	280	185.7	34.4	2	22.23	8	235	31.20	48.20
150	6"	267	283	215.9	24.5	2	22.23	8	241.3	403	320	215.9	36.5	2	22.23	12	269.81	43.00	68.00
200	8"	292	345	269.9	28	2	22.23	8	298.5	419	380	269.9	40.75	2	25.4	12	330.2	76.00	107.80
250	10"	330	405	323.8	29	2	25.4	12	362	457	445	323.8	48.25	2	28.58	16	387.4	112.00	164.00
300	12"	356	485	381	32	2	25.4	12	431.8	502	520	381	50.5	2	31.75	16	450.8	168.20	241.00
350	14"	381	535	412.8	35	2	28.58	12	476.3	---	---	---	---	---	---	---	---	300.00	---
400	16"	762	596	469.8	37	2	28.6	16	539.8	---	---	---	---	---	---	---	---	500.00	---
450	18"	864	635	533.4	38.5	2	31.75	16	577.9	---	---	---	---	---	---	---	---	750.00	---

(All Dimensions mm & Weight are for bare shaft only)

Multiport Valves

The versatility of 3GLO multiport valves and the variety of flow arrangements in which they are available make these valves ideal for many types of piping systems handling liquids, gases, slurries or other applications where tight shut - off is required.

Type	0° Position	90° Position	180° Position
A 	 Code : A1	 Code : A2	 Code : A3
AX 	 Code : AX1	 Code : AX2	
C 	 Code : C1	 Code : C2	 Code : C3
CX Only 90° 	 Code : CX1	 Code : CX2	
D 	 Code : D1	 Code : D2	 Code : D3
DX Only 90° 	 Code : DX1	 Code : DX2	

Pneumatic Rotary Actuator Accessories

Pneumatic - Pneumatic & Electro Pneumatic ROTARY Valve Positioner



Electro - Pneumatic
Model
AEP-1000-R

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
Model
APP-1200-RDN



Pneumatic - Pneumatic & Electro Pneumatic LINEAR Valve Positioner



Electro - Pneumatic
Model
AEP-1000-LSN

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



Pneumatic - Pneumatic
Model
APP-1200-LSN



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
: 1 NO + 1 NC / 2 NO + 2 NC / 2 Switch
Type : IP 68
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
: 1 NO + 1 NC / 2 NO + 2 NC / 2 Switch
Type : IP 67
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



Pneumatic Rotary Actuator Accessories

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

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

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

Manual Override Clutch Type (MO)



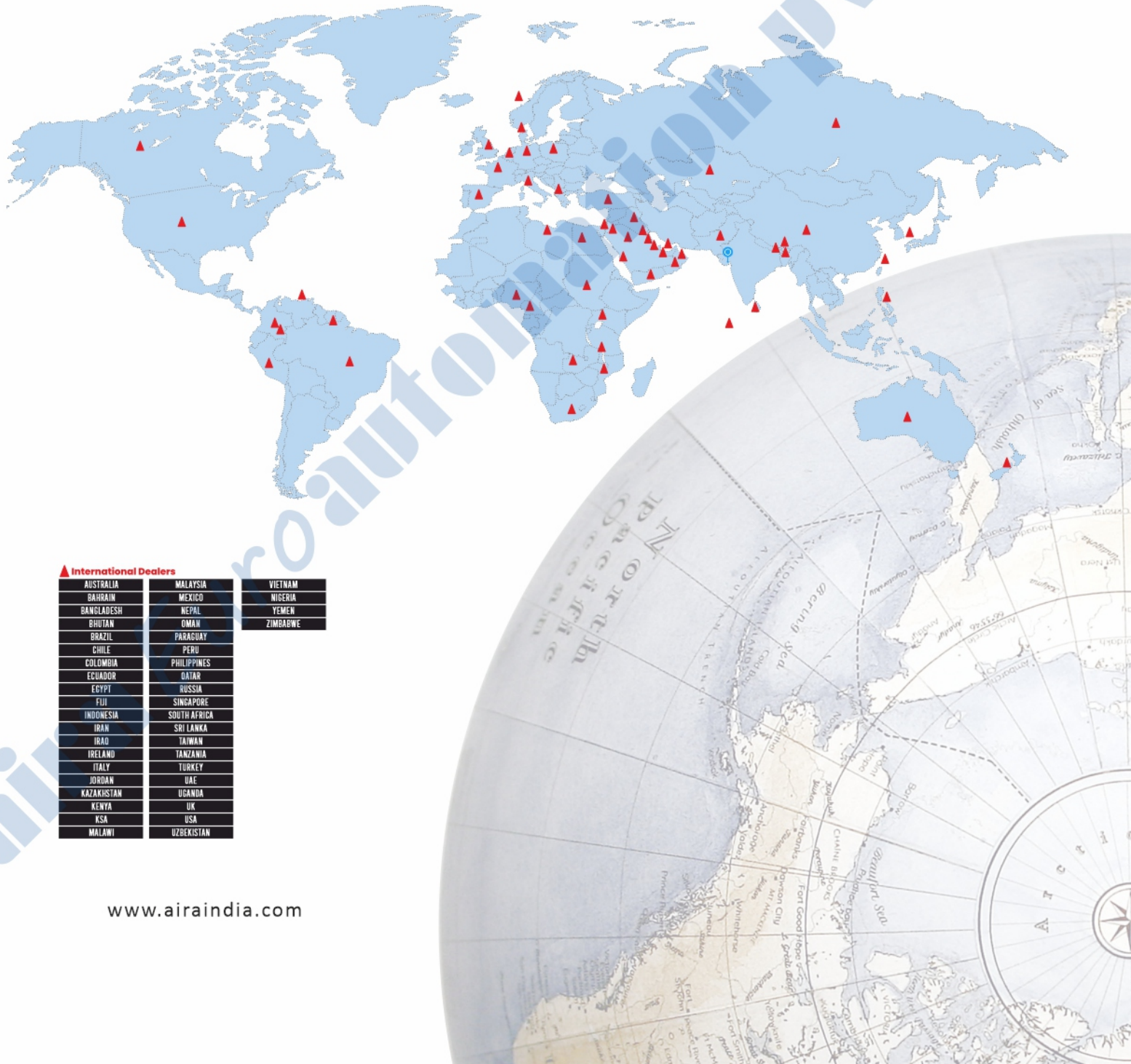
Model	: AMO
Torque	: 200 Nm to 10000 Nm
Body	: Aluminium Pressure Die Cast / S. G. Iron
Lever Wheel	: Stainless Steel
Hand Wheel	: S.S. / M.S. (Fabricated)



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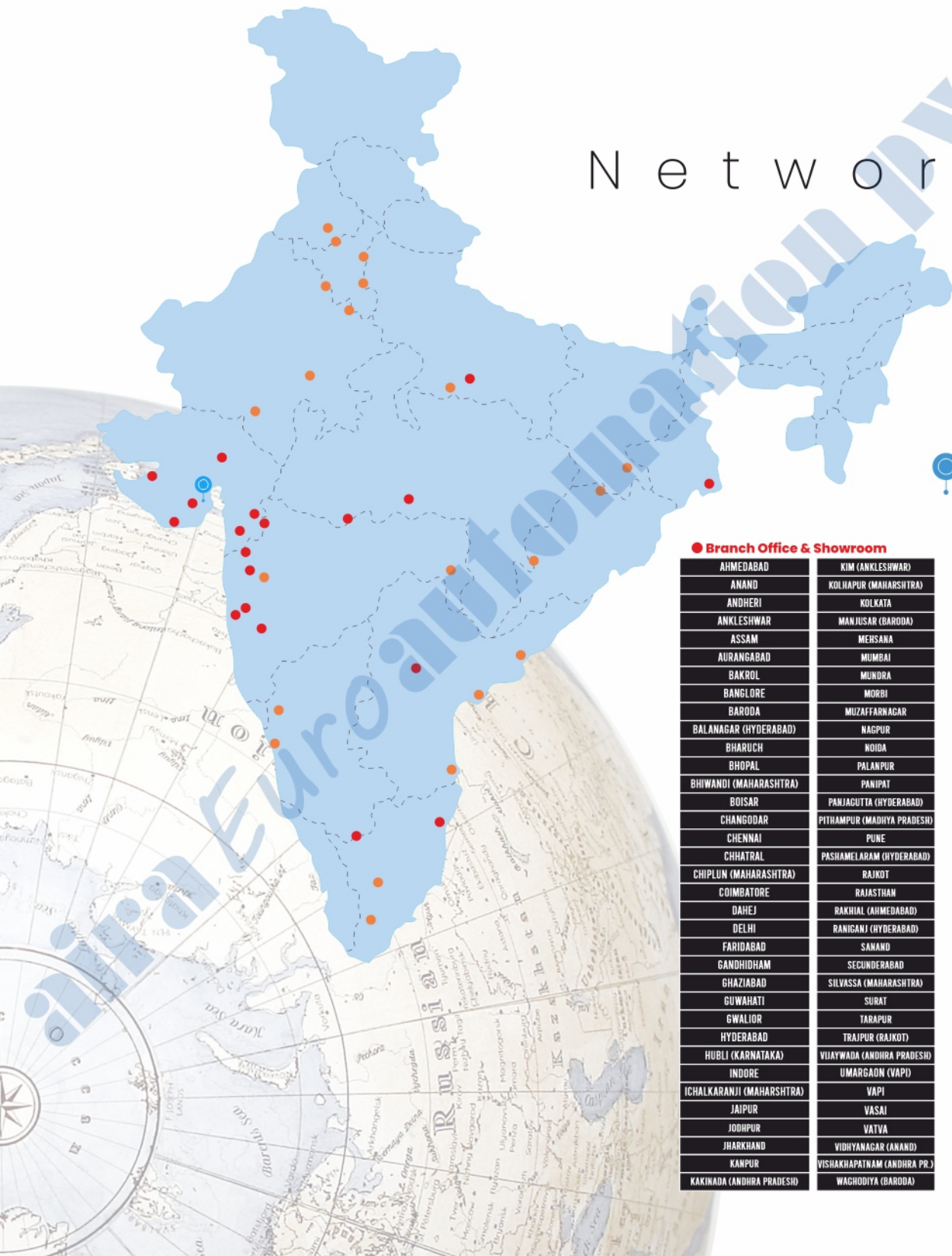
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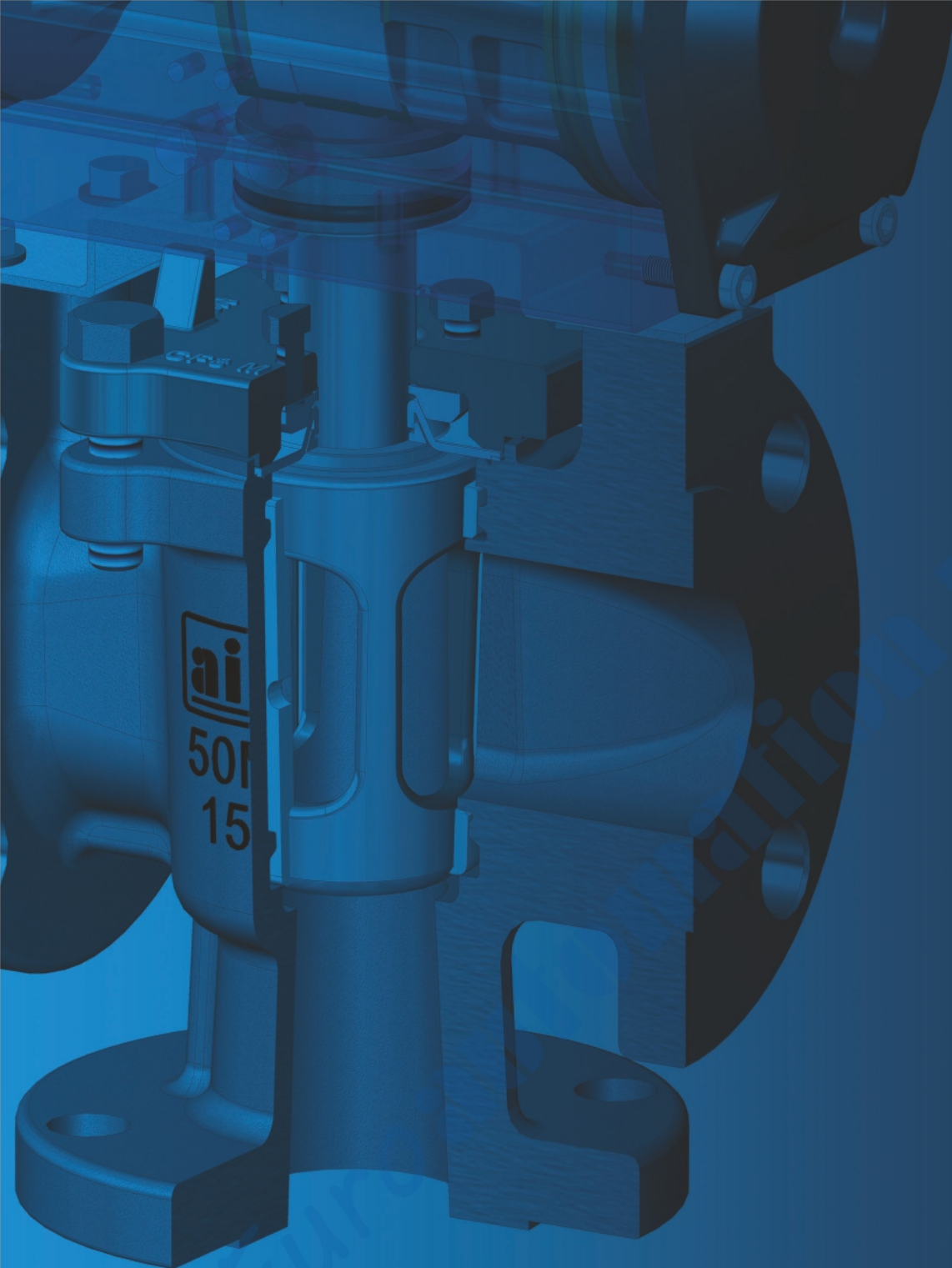
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