

YOUR SOLUTION PARTNER IN
INDUSTRIAL
VALVE AUTOMATION...



4 WAY MULTI PORT

FLANGED/SCREWED/TC END

BALL VALVE



APPROVALS



WEBSITE



Mfg. & Mkt by :

aira Euro automation pvt. ltd.

Ahmedabad-382405, INDIA.

www.airaindia.com





About Us

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 an 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.

*Clients are
why we exist!*

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 rates 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

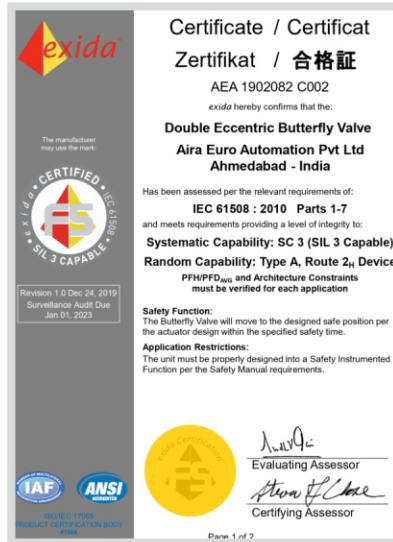
- 60 Plus Branch Offices in different states in India.
- Sales office in the Bangladesh, Dubai, Kenya, Malaysia, Nepal, Qatar, Singapore, South Africa, Sri Lanka, Turkey, USA (Expanding).

SIL 3 CERTIFICATIONS

CE CERTIFICATE



SIL 3 - PNEUMATIC ROTARY ACTUATORS



SIL 3 - BUTTERFLY VALVE



CE - BUTTERFLY VALVE

ISO CERTIFICATIONS



ISO 14001 : 2015



ISO 45001 : 2018



ISO 45001 : 2018



ISO 9001 : 2015



CERTIFICATIONS APPROVALS



QMS (Quality Management System)

ISO 9001 : 2015

EMS (Environment Management System)

ISO 14001 : 2015

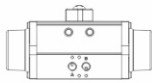
OHSAS (Occupational Health & Safety Management System)

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

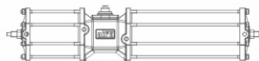
Pneumatic Actuator

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



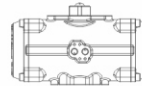
Scotch & Yoke Actuator

CE / ATEX / SIL-3



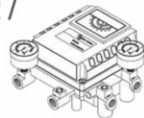
Stainless Steel Actuator

CE /
IEP ATEX



Positioner Enclosure

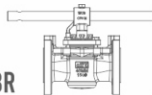
CE / CIMFR /
IP67 / BIS
/ PESO



aira's
SOME OF OUR
Certificates

Plug Valve

FUGITIVE EMISSIONS
TEST
AS PER ISO
15848-1 / IBR



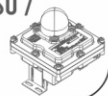
Flameproof Solenoid Valve

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



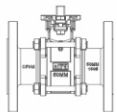
Limit Switch

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



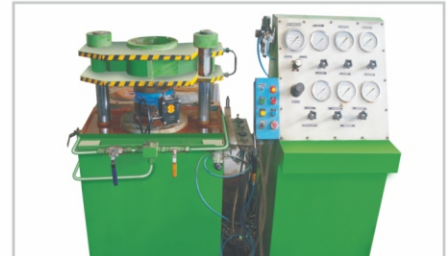
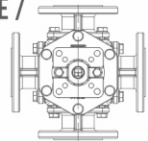
Butterfly Valve (centric / Double & Triple Eccentric)

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



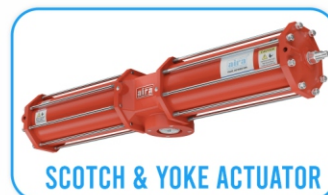
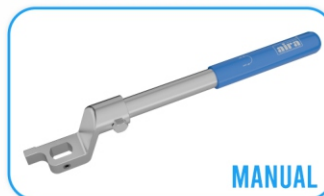
Multiport Ball Valve

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



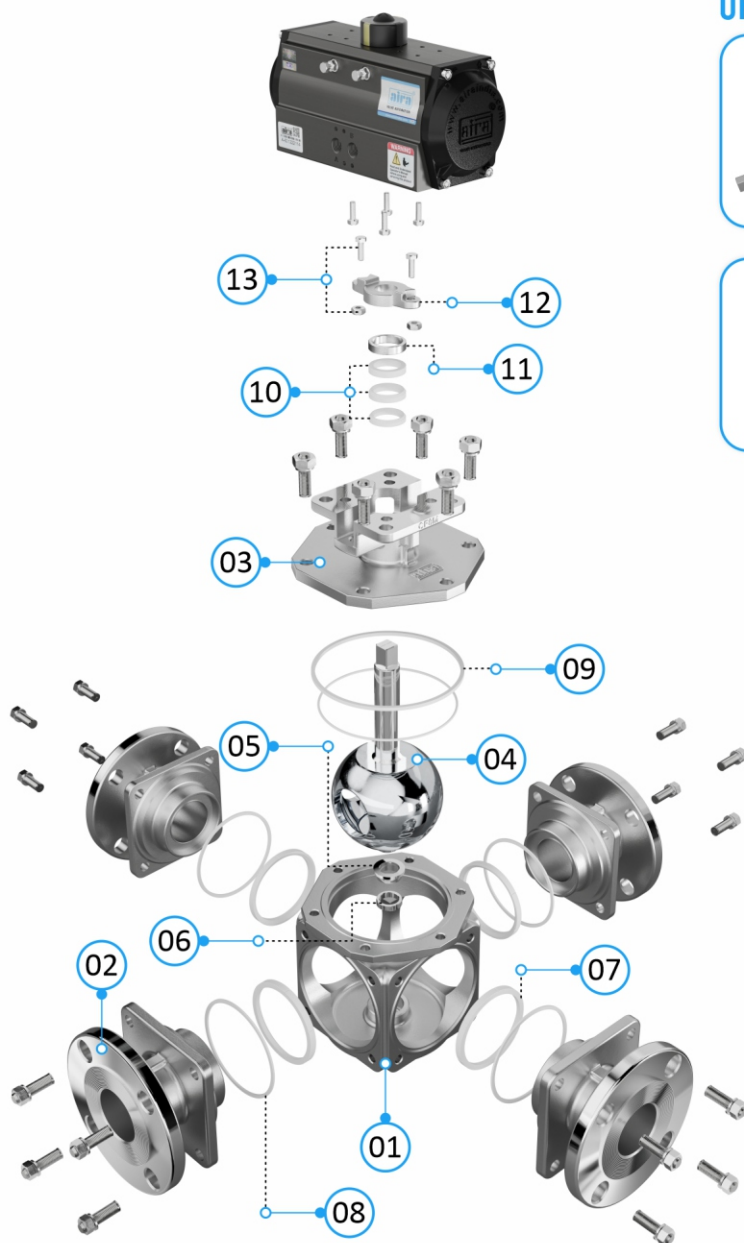
4 WAY MULTIPORT EXPLODED BALL VALVE

OPERATING VARIANTS :

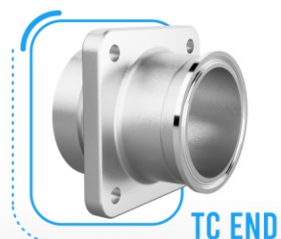
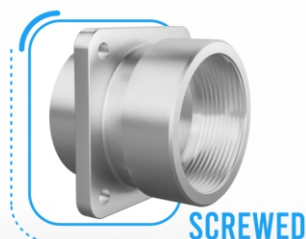


MATERIALS :

Item No.	Item Name	Material Name
1	Body	CF8 / CF8M / WCB
2	Connector	CF8 / CF8M / WCB
3	Top Cover	CF8 / CF8M / WCB
4	Ball	CF8 / CF8M
5	Trunnion T-Bush	S.S.
6	Trunnion Ring	S.S. 304
7	Ball Seat	PTFE / CFT / GFT
8	Body Seat	PTFE / CFT / GFT
9	Top Cover Seat	PTFE / CFT / GFT
10	Stem Seat	PTFE / CFT / GFT
11	Spacer Ring	S.S. 304
12	Gland	CF8 / CF8M
13	Gland Bolt & Nut	S.S. 304
14	Fasteners	S.S. 304



CONNECTOR Variants



4 WAY MULTIPORT FLOATING BALL VALVE



"aira" Offers Automation & Manually Operated "3,4 & 5 Way" Design Investment Casting CF8 / CF8M / WCB Floating Ball Valve, Engineered For Multiple Diverting / Mixing Operations In The Down Stream. Type : "T". Port "L". Port / "X". Port In Full Bore / Reduce Bore.

Standard

- **Design & Manufacturer** : ASME B 16.34 / BS EN ISO 17292
- **Valve Face To Face Dimensions** : As Per Manufacturing Std.
- **Flange Standard Conformity** : ASME B 16.5 Class 150, 300
- **Inspection & Testing** : API 598 / ISO - 5208 / BS EN 12266 - 1
- **Threaded Fitting** : ASME B 1.20

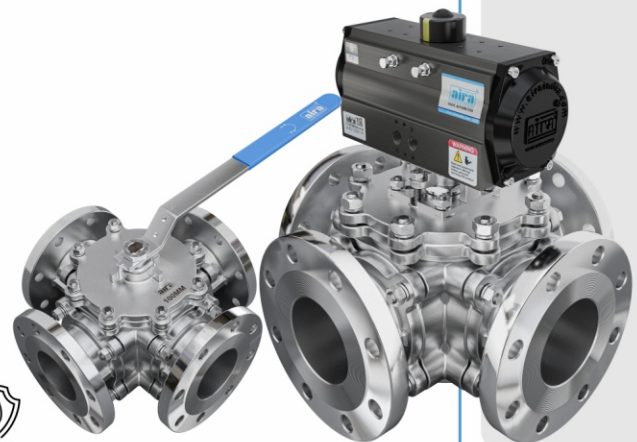
Features

- Antistatic Design.
- Locking Handle Available.
- High Performance Ball Valve.
- ISO 5211 Mounting Pad.
- Quick In Action.
- High Cycle Life.
- Blowout proof Stem.

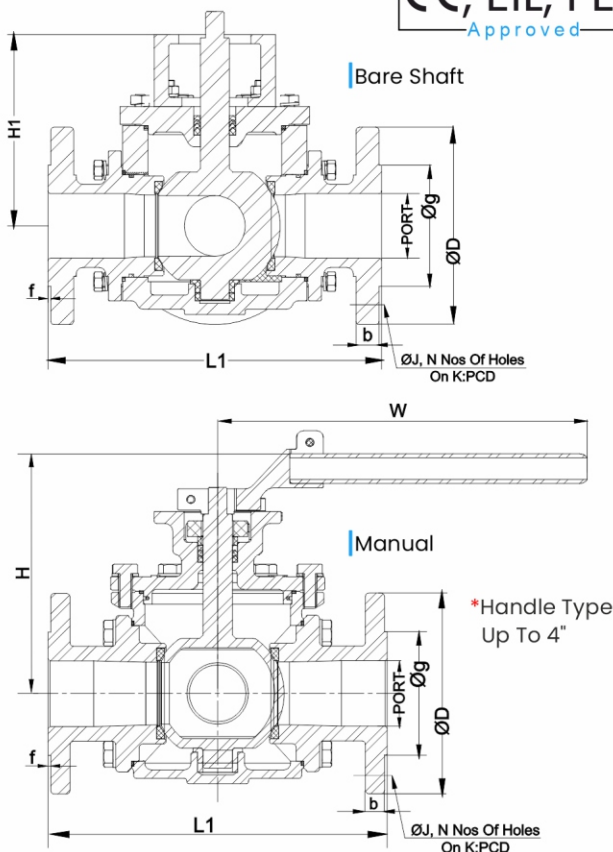
Cavity Filled Ball Valve Details



SIZE RANGE 1/2" UPTO 14" FLANGED 150# / 300#



CE, EIL, FET
Approved



150#

Valve Size	+3.0 -3.0 LI-150#	+1.0 -0.0 PORT	+2.0 -1.0 ØD	+1.0 -1.0 Øg	+3.0 -0.0 b	+0.5 -0.5 f	ØJ	N	+1.5 -1.5 K:PCD	+5.0 -5.0 H	+3.0 -3.0 HI	+10.0 -10.0 W
15 MM	152	13	90	34.9	8	2	15.88	4	60.3	-	-	-
20 MM	167	19	100	42.9	8.9	2	15.88	4	69.9	-	-	-
25 MM	193	25	110	50.8	9.6	2	15.88	4	79.4	101	95	210
32 MM	208	32	115	63.5	11.2	2	15.88	4	88.9	127	105	210
40 MM	221	38	125	73	12.7	2	15.88	4	98.4	140	118	290
50 MM	254	49	150	92.1	14.3	2	19.05	4	120.7	154	146	373
65 MM	294	62	180	104.8	15.9	2	19.05	4	139.7	157	137	402
80 MM	306	74	190	127	17.5	2	19.05	4	152.4	166	143	402
100 MM	370	100	230	157.2	22.23	2	19.09	8	190.5	190	166	550
125 MM	418	127	255	185.7	22.23	2	22.23	8	215.9	-	249	-
150 MM	500	150	280	215.9	23.9	2	22.23	8	241.3	-	276	-
200 MM	600	200	345	269.9	27	2	22.23	8	298.5	-	307	-
250 MM	662	248	405	323.8	28.6	2	25.4	12	362	-	371	-
300 MM	790	296	485	381	30.2	2	25.4	12	431.8	-	406	-
350 MM												

ON REQUEST.

300#

Valve Size	+3.0 -3.0 LI-300#	+1.0 -0.0 PORT	+2.0 -1.0 ØD	+1.0 -1.0 Øg	+3.0 -0.0 b	+0.5 -0.5 f	ØJ	N	+1.5 -1.5 K:PCD	+5.0 -5.0 H	+3.0 -3.0 HI	+10.0 -10.0 W
15 MM	160	13	95	34.9	12.7	2	15.88	4	66.7	-	-	-
20 MM	177	19	115	42.9	14.3	2	19.05	4	82.6	-	-	-
25 MM	201	25	125	50.8	15.9	2	19.05	4	88.9	101	94	210
32 MM	208	32	135	63.5	17.5	2	19.05	4	98.4	127	104	210
40 MM	234	38	155	73	19.1	2	22.23	4	114.3	140	118	290
50 MM	274	49	165	92.1	20.7	2	19.05	8	127	154	145	373
65 MM	300	62	190	104.8	23.9	2	22.23	8	149.2	160	135	402
80 MM	332	74	210	127	27	2	22.23	8	168.3	166	145	402
100 MM	394	100	255	157.2	30.2	2	22.23	8	200	190	165	550
125 MM	450	127	280	185.7	33.4	2	22.23	8	235	-	249	-
150 MM	477	150	320	215.9	35	2	22.23	12	269.9	-	277	-
200 MM	581	201	380	269.9	39.7	2	25.4	12	330.2	-	307	-
250 MM	760	252	445	323.8	46.1	2	28.58	16	387.4	-	371	-
300 MM	900	303	520	381	49.3	2	31.75	16	450.8	-	-	-
350 MM												

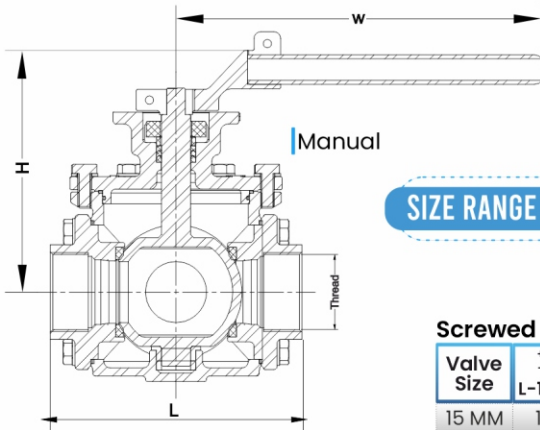
ON REQUEST.

*All Dimensions Are In MM



3 WAY MULTIPORT FLOATING BALL VALVE

SCREW END DRAWINGS :



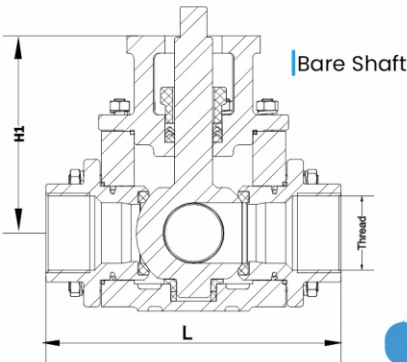
Manual

SIZE RANGE 1/2" UPTO 4" SCREWED

Screwed Dimensions :

Valve Size	+3.0 -3.0 L-150#	TAP	+5.0 -5.0 H	+3.0 -3.0 H1	+10.0 -10.0 W
15 MM	104	1/2"	-	-	-
20 MM	111.01	3/4"	-	-	-
25 MM	126.84	1"	101	95	210
32 MM	154.81	1.1/4"	127	105	209
40 MM	159.03	1.1/2"	140	118	290
50 MM	190	2"	154	146	373
65 MM	297	2.1/2"	157	137	402
80 MM	320	3"	166	143	402
100 MM	388	4"	190	166	550

*All Dimensions Are In MM



Bare Shaft

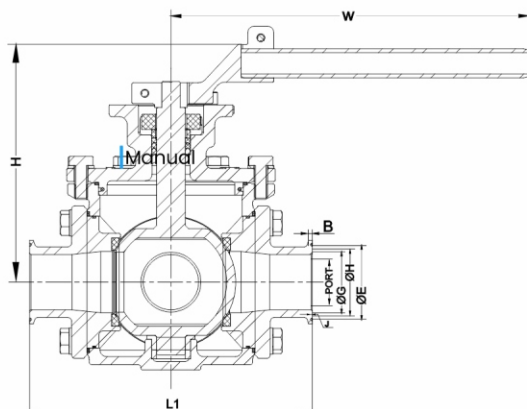
SIZE RANGE 1/2" UPTO 4" TRICLOVER END

TC End Dimensions :

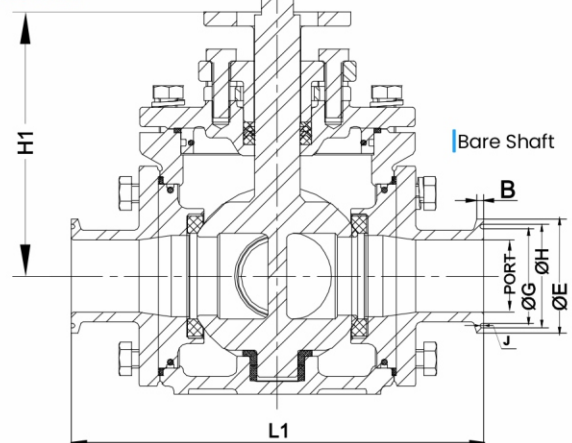
Valve Size	L1-150#	+1.0 -0.0 PORT	ØG	ØH	ØE	B	J	+5.0 -0.0 H	+3.0 -0.0 H1	+10.0 -0.0 W
15 MM	133	12.5	25.5	29.5	34	2.8	1.5	-	85	-
20 MM	139.6	17.04	25.49	29.49	33.99	2.8	1.5	-	91	-
25 MM	160.5	24	42	46	50.5	2.8	1.5	101	95	210
32 MM								ON REQUEST.		
40 MM	184.02	32	42	46	50.5	2.8	1.5	140	118	290
50 MM	210.5	42.5	55.48	59.48	64	2.8	1.5	154	146	373
65 MM								ON REQUEST.		
80 MM								ON REQUEST.		
100 MM								ON REQUEST.		

*All Dimensions Are In MM

TRI-CLOVER END DRAWINGS :



Manual



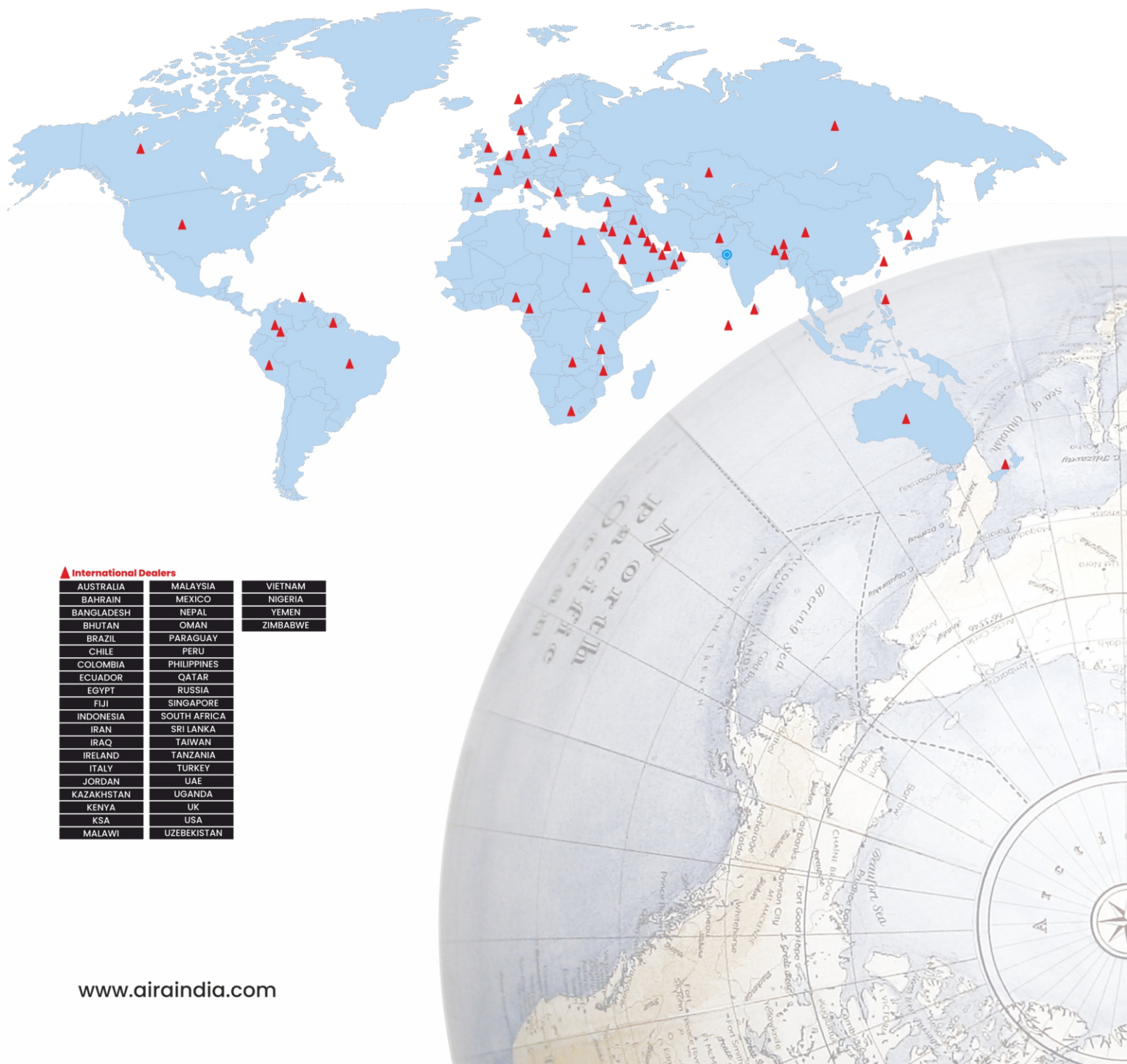
Bare Shaft





*time tested designs with
superior performance*

GLOBAL Network



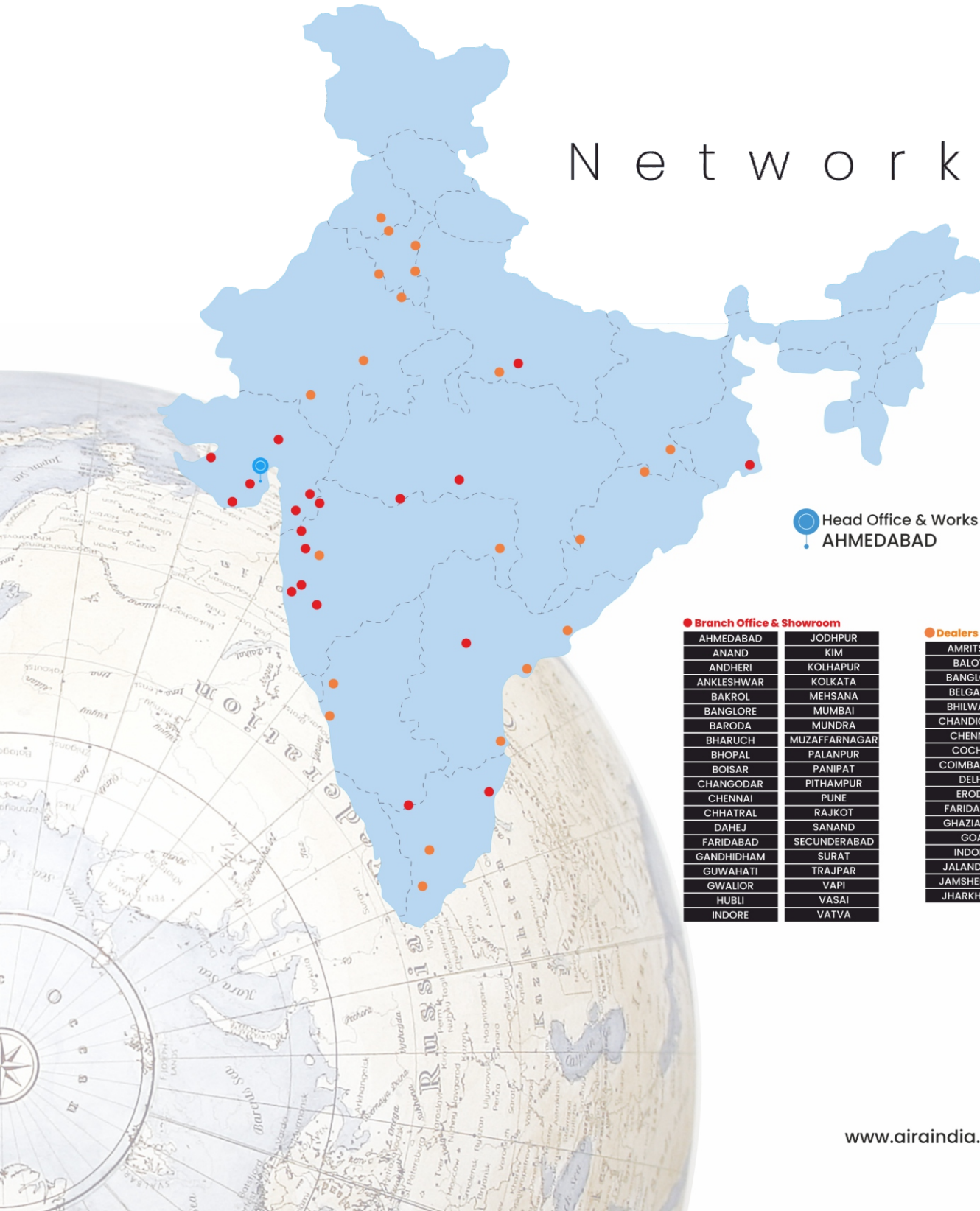
▲ International Dealers

AUSTRALIA	MALAYSIA	VIETNAM
BAHRAIN	MEXICO	NIGERIA
BANGLADESH	NEPAL	YEMEN
BHUTAN	OMAN	ZIMBABWE
BRAZIL	PARAGUAY	
CHILE	PERU	
COLOMBIA	PHILIPPINES	
ECUADOR	QATAR	
EGYPT	RUSSIA	
FIJI	SINGAPORE	
INDONESIA	SOUTH AFRICA	
IRAN	SRI LANKA	
IRAQ	TAIWAN	
IRELAND	TANZANIA	
ITALY	TURKEY	
JORDAN	UAE	
KAZAKHSTAN	UGANDA	
KENYA	UK	
KSA	USA	
MALAWI	UZBEKISTAN	



industrial valve automation

Network



Head Office & Works
AHMEDABAD

● Branch Office & Showroom

AHMEDABAD	JODHPUR
ANAND	KIM
ANDHERI	KOLHAPUR
ANKLESHWAR	KOLKATA
BAKROL	MEHSANA
BANGLORE	MUMBAI
BARODA	MUNDRA
BHARUCH	MUZAFFARNAGAR
BHOPAL	PALANPUR
BOISAR	PANIPAT
CHANGODAR	PITHAMPUR
CHENNAI	PUNE
CHHATRAL	RAJKOT
DAHEJ	SANAND
FARIDABAD	SECUNDERABAD
GANDHIDHAM	SURAT
GUWAHATI	TRAJPAR
GWALIOR	VAPI
HUBLI	VASAI
INDORE	VATVA

● Dealers & Distributors

AMRITSAR	KOLKATA
BALOTA	LUCKNOW
BANGLORE	LUDHIANA
BELGAUM	MARWAR
BHILWARA	MEERUT
CHANDIGARH	MUZAFFARNAGAR
CHENNAI	NAGPUR
COCHIN	NOIDA
COIMBATORE	PANIPAT
DELHI	PEENYA
ERODE	PUNE
FARIDABAD	TRIPUR
GHAZIABAD	VARANASI
GOA	VISAKHAPATNAM
INDORE	WADI
JALANDHAR	KANPUR
JAMSHEDPUR	KOLHAPUR
JHARKHAND	

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