

YOUR SOLUTION PARTNER IN
INDUSTRIAL
VALVE AUTOMATION...



3PC EXTENDED SHAFT DESIGN FLANGED/SCREWED 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).

CE CERTIFICATE



SIL 3 - BUTTERFLY VALVE



CE - BUTTERFLY VALVE

ISO CERTIFICATIONS



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

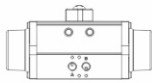
OHSAS (Occupational Health & Safety Management System)

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

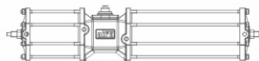
Pneumatic Actuator

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



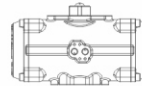
Scotch & Yoke Actuator

CE / ATEX / SIL-3



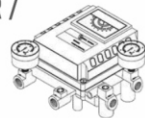
Stainless Steel Actuator

CE /
IEP ATEX



Positioner Enclosure

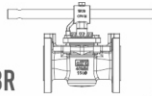
CE / CIMFR /
IP67 / BIS
/ PESO



aira's
SOME OF OUR
Certificates

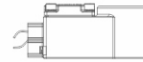
Plug Valve

FUGITIVE EMISSIONS
TEST
AS PER ISO
15848-1 / IBR



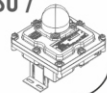
Flameproof Solenoid Valve

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



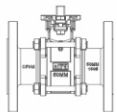
Limit Switch

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



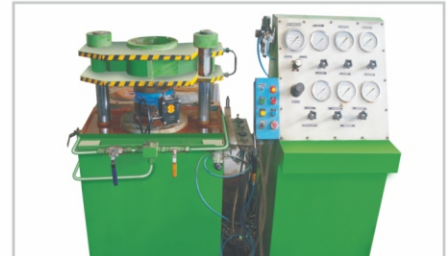
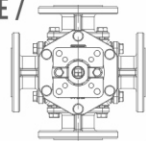
Butterfly Valve (centric / Double & Triple Eccentric)

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



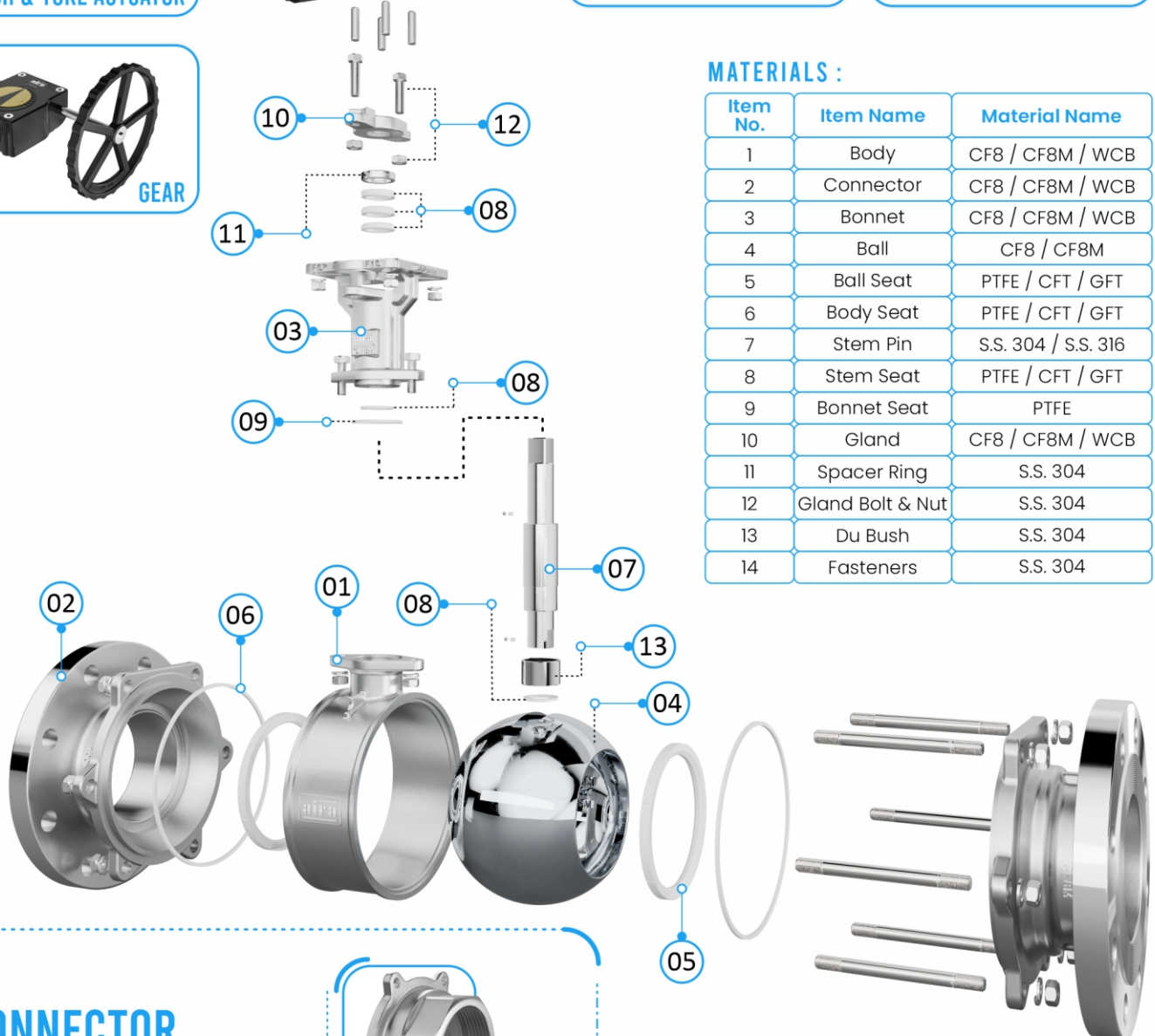
3PC TRX EXTENDED SHAFT EXPLODED BALL VALVE

OPERATING VARIANTS :



MATERIALS :

Item No.	Item Name	Material Name
1	Body	CF8 / CF8M / WCB
2	Connector	CF8 / CF8M / WCB
3	Bonnet	CF8 / CF8M / WCB
4	Ball	CF8 / CF8M
5	Ball Seat	PTFE / CFT / GFT
6	Body Seat	PTFE / CFT / GFT
7	Stem Pin	S.S. 304 / S.S. 316
8	Stem Seat	PTFE / CFT / GFT
9	Bonnet Seat	PTFE
10	Gland	CF8 / CF8M / WCB
11	Spacer Ring	S.S. 304
12	Gland Bolt & Nut	S.S. 304
13	Du Bush	S.S. 304
14	Fasteners	S.S. 304



CONNECTOR

Variants



3PC FLANGE END / SCREW END EXTENDED SHAFT FLOATING BALL VALVE



"aira" Offers Manual & Automation Operated Extended Shaft 'cryogenic' Application Floating Ball Valve. Extended Shaft Ball Valve Designed For Using In The Several Conditions Such As Cryogenic Gas Systems, Nitrogen Injection, Oil Recovery, Air Separation Plants, Steel Plants, Heat Treatment.

Standard

- **Design & Manufacturer** : ASME B 16.34 / BS EN ISO 17292
- **Valve Face To Face Dimension** : ASME B 16.10 / BS EN ISO 17292
- **Inspection And Testing** : API 598 / ISO-5208 / BS EN 12266-1
- **Leakage Class** : ISO 5208 Class VI / FCI - 70 - 2 / ASME B 16, 16. 104
(BUBBLE TIGHT SHUTOFF)
- **End Connection** : ISO 7-1 FOR BSPT / BSP / ASME B 1.201 FOR NPT FOR S/E
ASME 16.11 FOR SOCKET WELD

SIZE RANGE 1/2" UPTO 8" FLANGED
1/2" TO 4" SCREWED

Technical Specification

- **Pressure** : 150#
- **Temperature** : PTFE : upto 180°C
RPTFE / TFM - 220°C

Item	Type of Test	Testing Pressure	Working Pressure	Operating Temperature
Actuator	Pneumatic Bubble Test	8 Kg/cm ²	4 To 8 PSIG	-20°C TO 80°C
Valve Body Flanged 150#	Hydraulic	32 Kg/cm ²	22 Kg/cm ²	Max.180°C

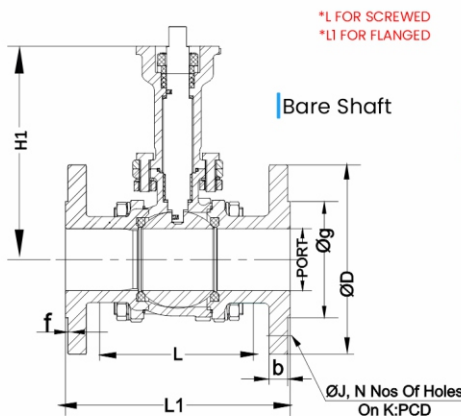
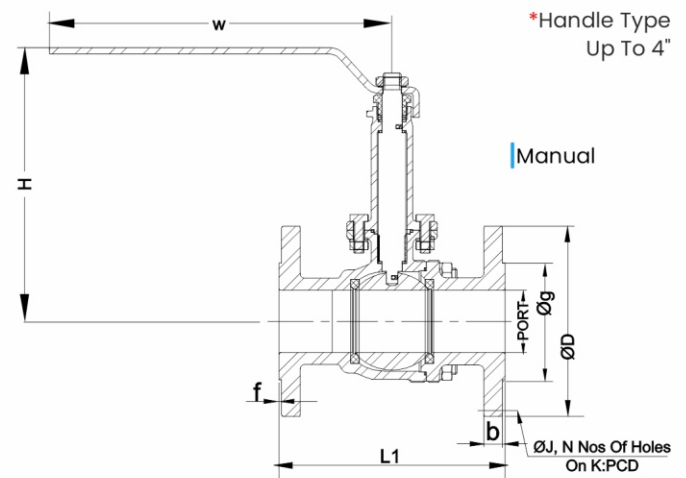


CE, SIL 3, IBR
Approved



Features

- Thrice Types Of Extension Bonnet Lengths Available To Optimize The Location Of The Gland Packing At Ambient Temperature Thus Preventing Freeze-damage By Low Temperature Fluid.
- Cavity Pressure Self Relief Construction In Valve.
- Chevron Seal Design Minimizes Leakage After Thousand Of Cycles.
- Low Operating Torque For Smooth Operations.
- Fire Safe Design Available For Flammable Applications.
- Fugitive Emissions Control For Flammable And Non-flammable Applications.



Screwed Dimensions :

Valve Size	+3.0 -3.0 LI-150#	TAP
15 MM	64	1/2"
20 MM	70	3/4"
25 MM	88	1"
32 MM	105	1 1/4"
40 MM	114	1 1/2"
50 MM	130	2"
65 MM	170	2 1/2"
80 MM	200	3"
100 MM	210	4"

FLANGED 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	108	13	90	34.9	8	2	15.88	4	60.3	164	127	180
20 MM	117	19	100	42.9	8.9	2	15.88	4	69.9	167	131	180
25 MM	127	25	110	50.8	9.6	2	15.88	4	79.4	182	140	195
32 MM	140	32	115	63.5	11.2	2	15.88	4	88.9	204	141	250
40 MM	165	38	125	73	12.7	2	15.88	4	98.4	206	161	250
50 MM	178	49	150	92.1	14.3	2	19.05	4	120.7	211	169	270
65 MM	190	62	180	104.8	15.9	2	19.05	4	139.7	245	187	305
80 MM	203	74	190	127	17.5	2	19.05	4	152.4	252	195	305
100 MM	229	100	230	157.2	22.3	2	19.05	8	190.5	283	216	355

ONLY AVAILABLE FOR 2PC :

125 MM
150 MM
200 MM

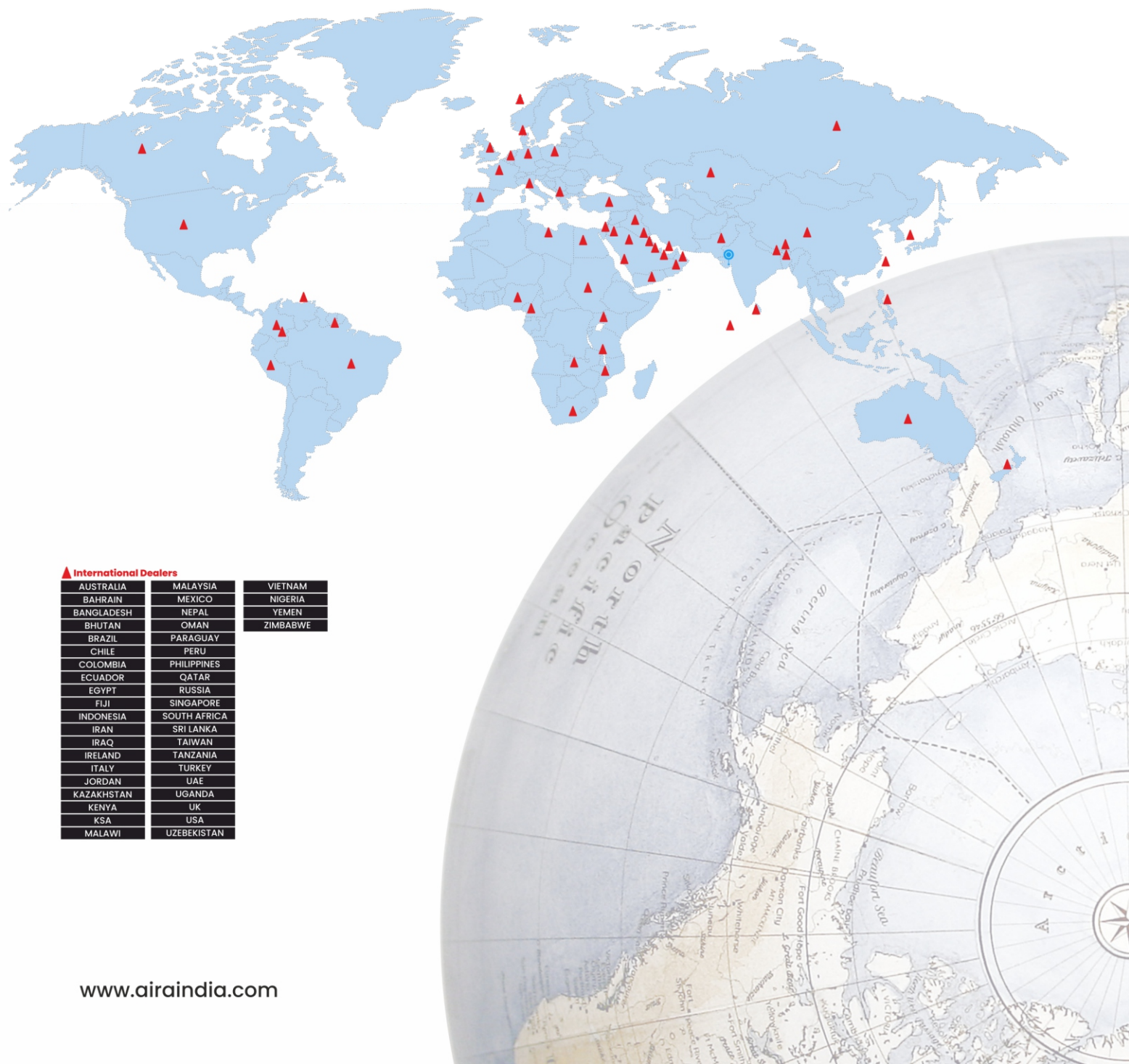
ON REQUEST.

*All Dimensions Are In MM



*time tested designs with
superior performance*

GLOBAL Network



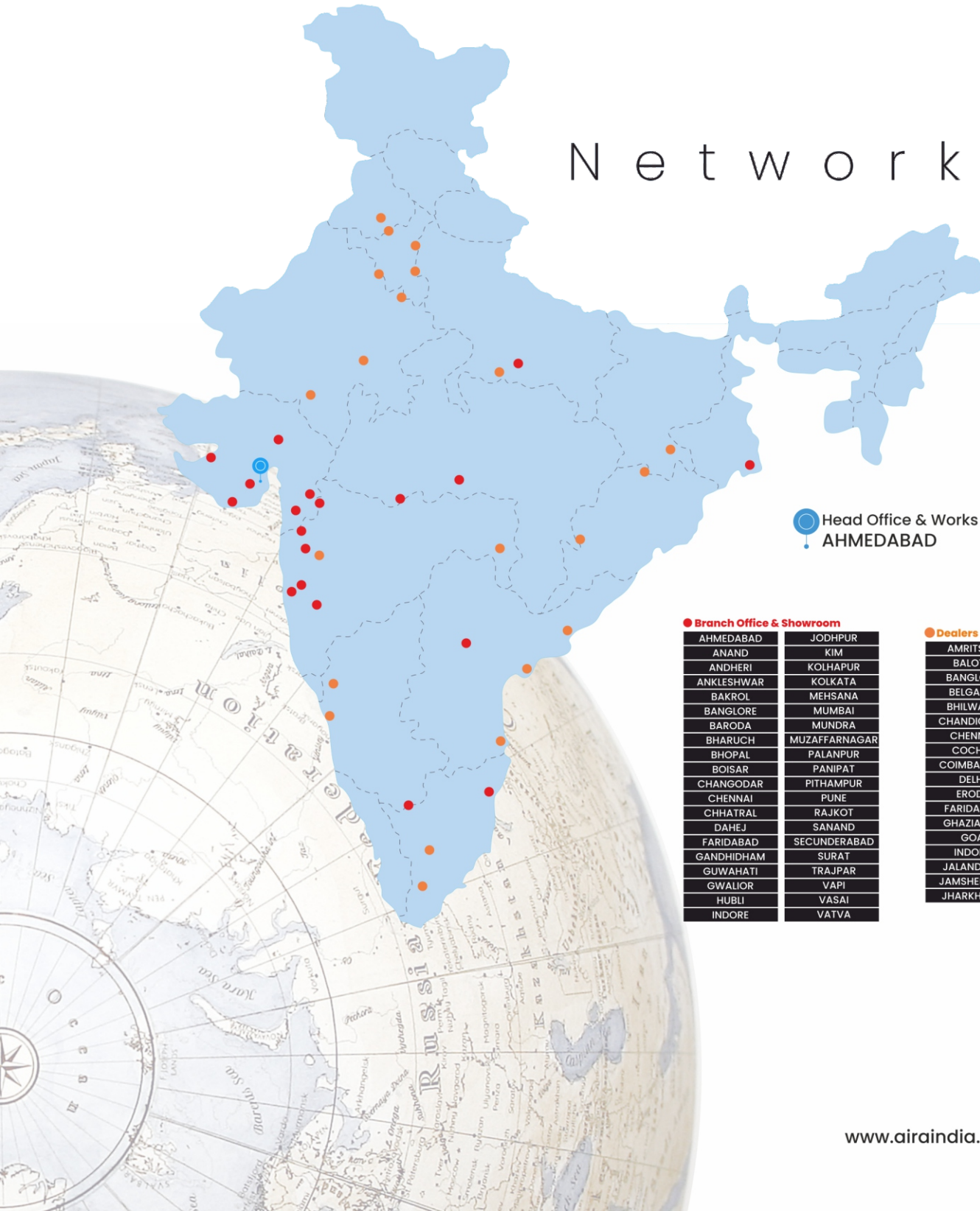
▲ International Dealers

AUSTRALIA	MALAYSIA	VIETNAM
BAHRAIN	MEXICO	NIGERIA
BANGLADESH	NEPAL	YEMEN
BHUTAN	OMAN	ZIMBABWE
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CHILE	PERU	
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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

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BALOTA	LUCKNOW
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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	

3PC EXTENDED SHAFT DESIGN Ball Valve



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