

YOUR SOLUTION PARTNER IN  
**INDUSTRIAL**  
**VALVE** AUTOMATION...



# SINGLE PIECE JACKETED DESIGN FLANGED BALL VALVE



## APPROVALS



WEBSITE



Mfg. & Mkt by :

**aira Euro automation pvt. ltd.**

Ahmedabad-382405, INDIA.

[www.airaindia.com](http://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



### CE - BUTTERFLY VALVE

## ISO CERTIFICATIONS



**ISO 9001 : 2015**



# CERTIFICATIONS APPROVALS



**QMS (Quality Management System)**

ISO 9001 : 2015

**EMS (Environment Management System)**

ISO 14001 : 2015

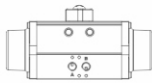
**OHSAS (Occupational Health & Safety Management System)**

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

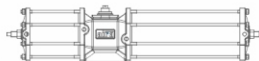
**Pneumatic Actuator**

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



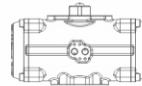
**Scotch & Yoke Actuator**

CE / ATEX / SIL-3



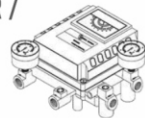
**Stainless Steel Actuator**

CE /  
IEP ATEX



**Positioner Enclosure**

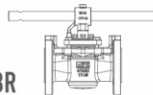
CE / CIMFR /  
IP67 / BIS  
/ PESO



**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



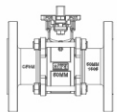
**Limit Switch**

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



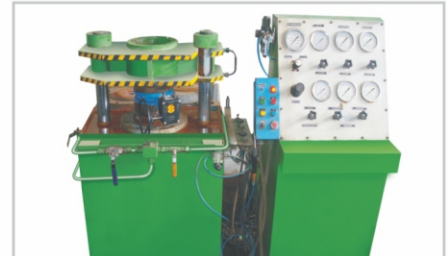
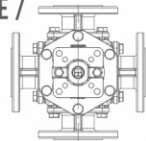
**Butterfly Valve (centric / Double & Triple Eccentric)**

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

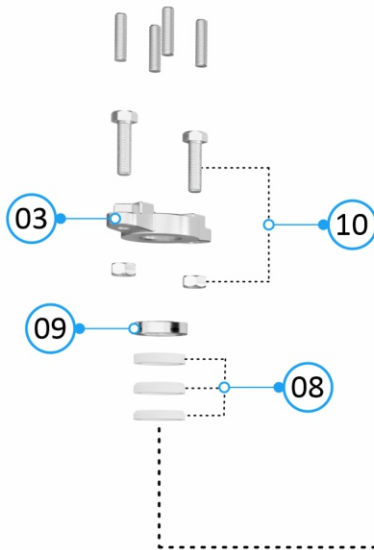
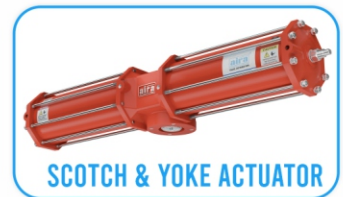
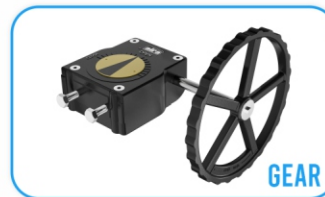




# JACKETED EXPLODED BALL VALVE

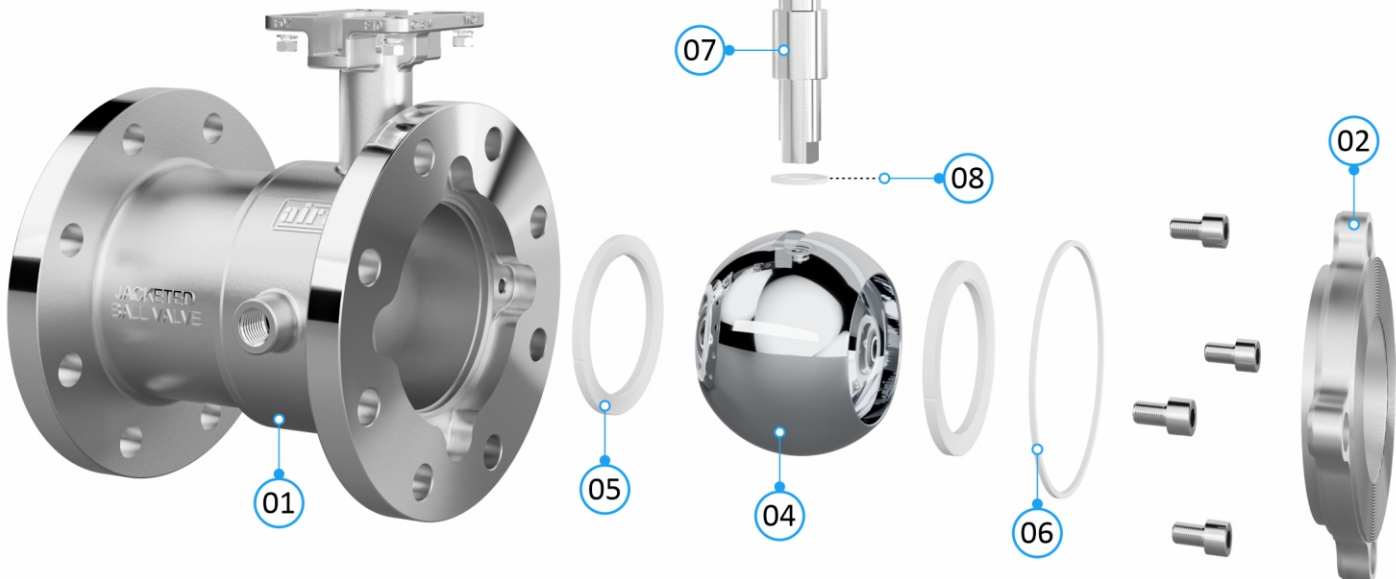


## OPERATING VARIANTS :



## MATERIALS :

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



# JACKETED FLANGED BALL VALVE 150#

“aira” Offers Manual & Automation Operated Single Piece Design Full Bore Jacketed Floating Ball Valve. Jacketed Construction For Standard Bore Valves. The Jacketed Comes In Single Piece Construction Welded Together. The Jackets Of The Valves Can Be Rated For Heat Transfer Media Pressure Upto 10 Kg/cm<sup>2</sup>. The Valve Can Be Used Sanitary Application Jacketed Ball Valves. Jacketed Ball Valve Designed For Using In The Several Condition Such As Applications Filter Dryer, Vacuum Dryer, Stirrer Vessel, Rector Other Vessel, Chemical, Pharmaceutical, Food, Cosmetic, Fluids, Emulsion, Syrup, Paints, Chocolate Etc...

## Standard

- **Design & Manufacturer** : ASME B 16.34 / BS EN ISO 17292
- **Valve Face To Face Dimension** : ASME B 16.10 / BS EN ISO 17292
- **End Connection** : ASME B 16.5 Class 150 for Flange
- **Inspection & Testing** : API 598 / ISO-5208 / BS EN 12266-1
- **Leakage Class** : ISO 5208 Class VI / FCI-70-2 / ASME, ANSI B 16, 16.104

## Technical Specification

- **Pressure** : Upto 10 Kg/cm<sup>2</sup> for 150#
- **Temperature** : PTFE : Upto 180°C

## Features

- An ISO 5211 Direct Mounting Pad.
- V-type Chevron Gland Packing, Which Leads To Zero Leak After Thousands Of Cycle.
- Low Torque.

**SIZE RANGE** 1/2" UPTO 12" FLANGED 150#  
3/4" UPTO 6" FLANGED 300#  
(REDUCE BORE)

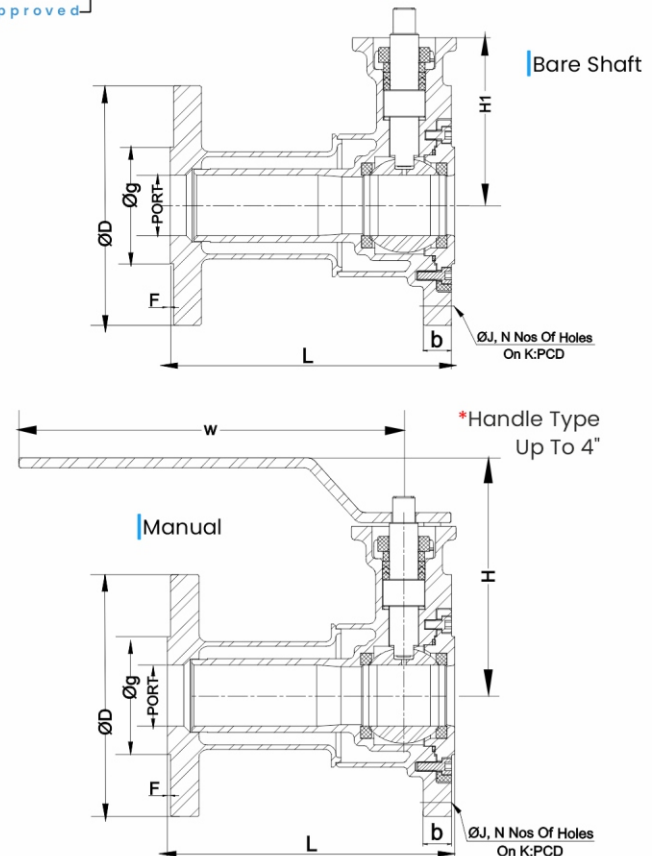


150#												
Valve Size	+3.0 -3.0 L-150#	+1.0 -0.0 PORT	+2.0 -1.0 ØD	+1.0 -1.0 Øg	+3.0 -0.0 b	+0.5 -0.5 F	ØJ	N	+1.5 -1.5 K:PCD	+5.0 -5.0 H	+3.0 -3.0 HI	+10.0 -10.0 W
15x10	108	10	90	34.9	8	2	15.88	4	60.3	108	75	150
20x15	117	13	100	42.9	8.9	2	15.88	4	69.9	110	74	150
25x20	127	19	110	50.8	9.6	2	15.88	4	79.4	119	84	150
25x40	165	25	125	73	12.7	2	15.88	4	98.4	127	92	150
32x25	140	25	115	63.5	11.2	2	15.88	4	88.9	127	92	150
40x32	165	32	125	73	12.7	2	15.88	4	98.4	135	100	163
40x65	190	38	180	104.8	15.9	2	19.05	4	139.7	168	125	239
50x25	178	25	150	92.1	14.3	2	19.05	4	120.7	139	104	150
50x40	178	38	150	92.1	14.3	2	19.05	4	120.7	148	105	239
50x80	203	49	190	127	17.5	2	19.05	4	152.4	167	125	239
65x50	190	49	180	104.8	15.9	2	19.05	4	139.75	167	125	239
80x65	203	62	190	127	17.5	2	19.05	4	152.4	167	142	239
100x80	229	74	230	157.2	22.3	2	19.05	8	190.5	192	164	284
150x100	267	100	280	215.9	23.9	2	22.23	8	241.3	285	181	215
200x150	292	150	345	269.9	27	2	22.23	8	298.5	344	208	240
250	ON REQUEST											
300	ON REQUEST											

300#												
Valve Size	+3.0 -3.0 L-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
20x15	117	13	115	34.9	11.2	2	19.05	4	82.6	-	74	-
25x20	127	19	125	42.9	12.7	2	19.05	4	88.9	-	84	-
32x25	140	25	135	50.8	14.3	2	19.05	4	98.4	-	93	-
40x32	165	32	155	63.5	16	2	22.23	4	114.3	-	101	-
100x80	229	74	255	127	22.23	2	22.23	8	200	-	164	-
150X100	267	100	320	157.2	24	2	22.23	12	330.2	-	181	-

\*All Dimensions Are In MM

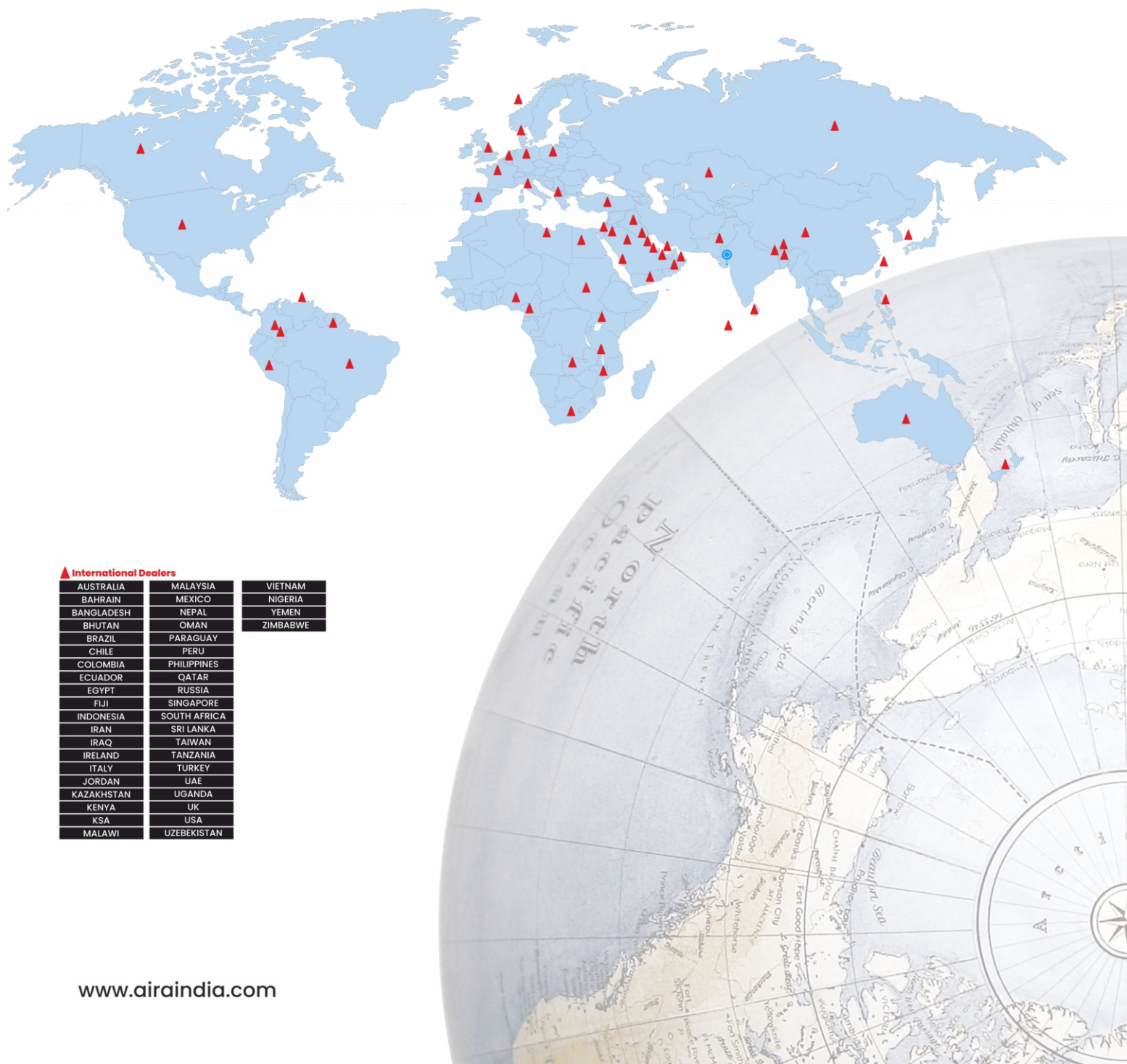






*time tested designs with  
superior performance*

# GLOBAL Network



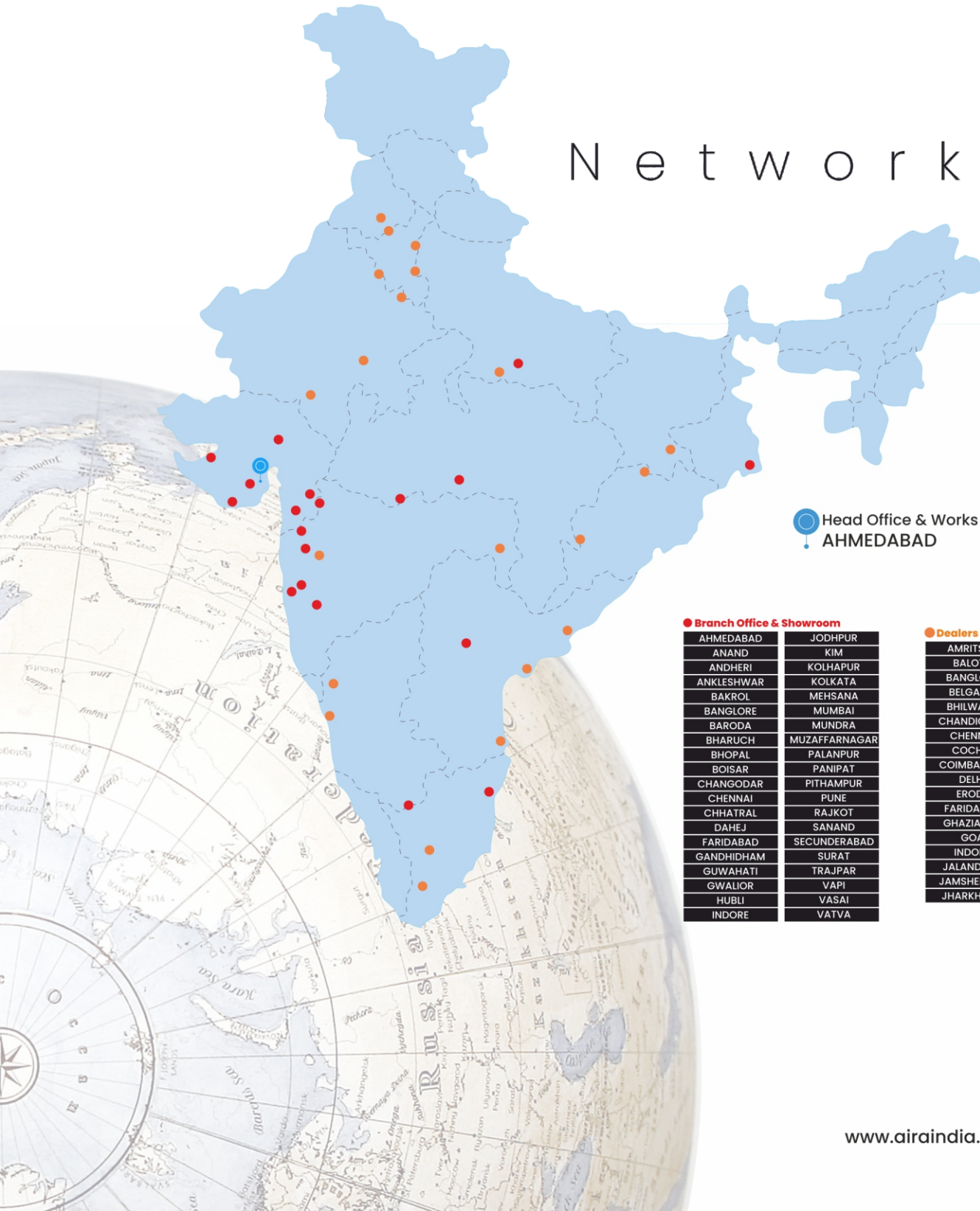
**▲ International Dealers**

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

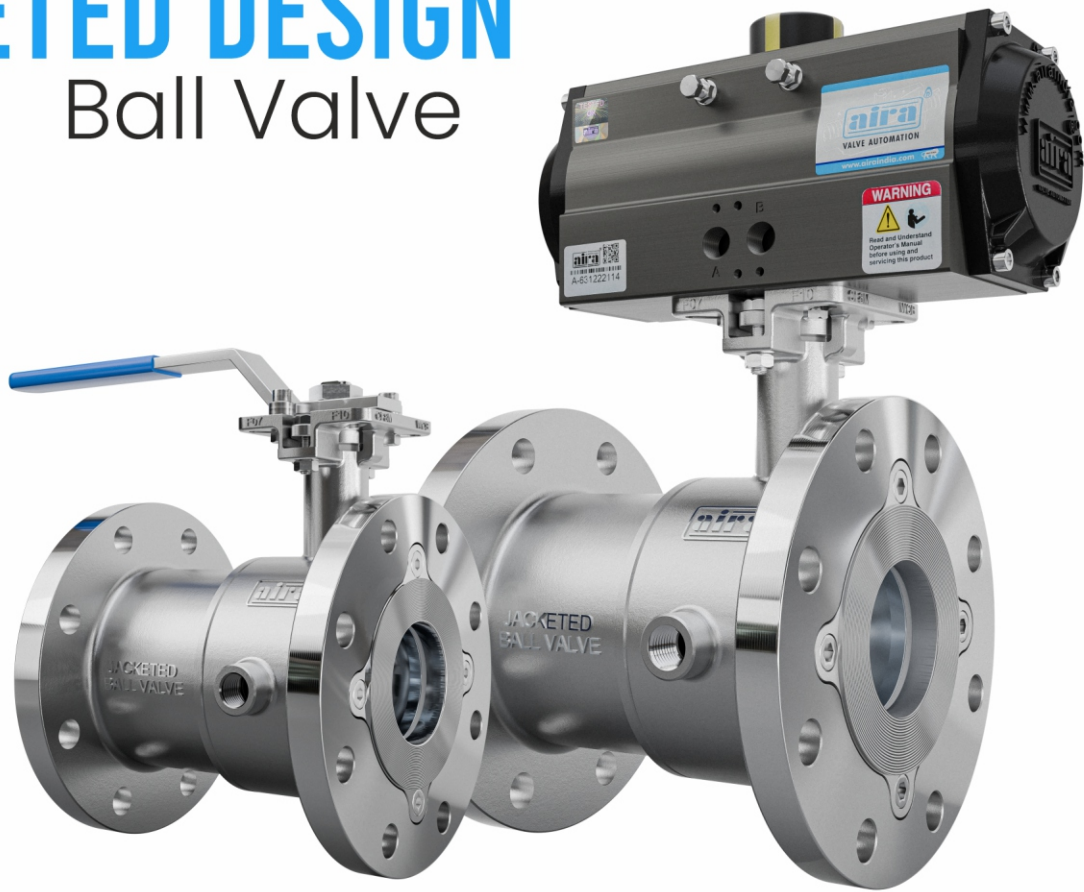
AHMEDABAD	JODHPUR
ANAND	KIM
ANDHERI	KOLHAPUR
ANKLESHWAR	KOLKATA
BAKROL	MEHSANA
BANGLORE	MUMBAI
BARODA	MUNDRA
BHARUCH	MUZAFFARNAGAR
BHOPAL	PALANPUR
BOISAR	PANIPAT
CHANGODAR	PITHAMPUR
CHENNAI	PUNE
CHHATRAL	RAJKOT
DAHEJ	SANAND
FARIDABAD	SECUNDERABAD
GANDHIDHAM	SURAT
GUWAHATI	TRAJPAR
GWALIOR	VAPI
HUBLI	VASAI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

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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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