

YOUR SOLUTION PARTNER IN
INDUSTRIAL
VALVE AUTOMATION...



2PC TRUNNION MOUNTED DESIGN FLANGED 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

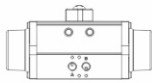
OHSAS (Occupational Health & Safety Management System)

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

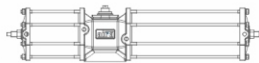
Pneumatic Actuator

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



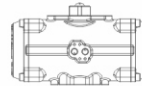
Scotch & Yoke Actuator

CE / ATEX / SIL-3



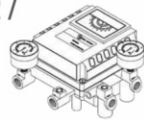
Stainless Steel Actuator

CE /
IEP ATEX



Positioner Enclosure

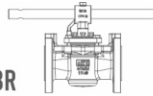
CE / CIMFR /
IP67 / BIS
/ PESO



aira's
SOME OF OUR
Certificates

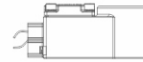
Plug Valve

FUGITIVE EMISSIONS
TEST
AS PER ISO
15848-1 / IBR



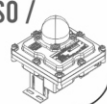
Flameproof Solenoid Valve

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



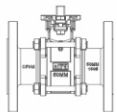
Limit Switch

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



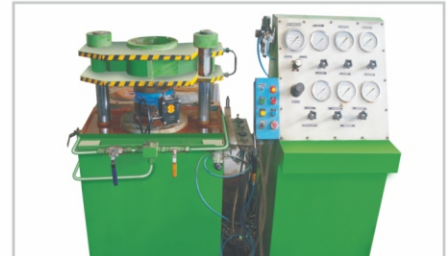
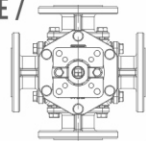
Butterfly Valve (centric / Double & Triple Eccentric)

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



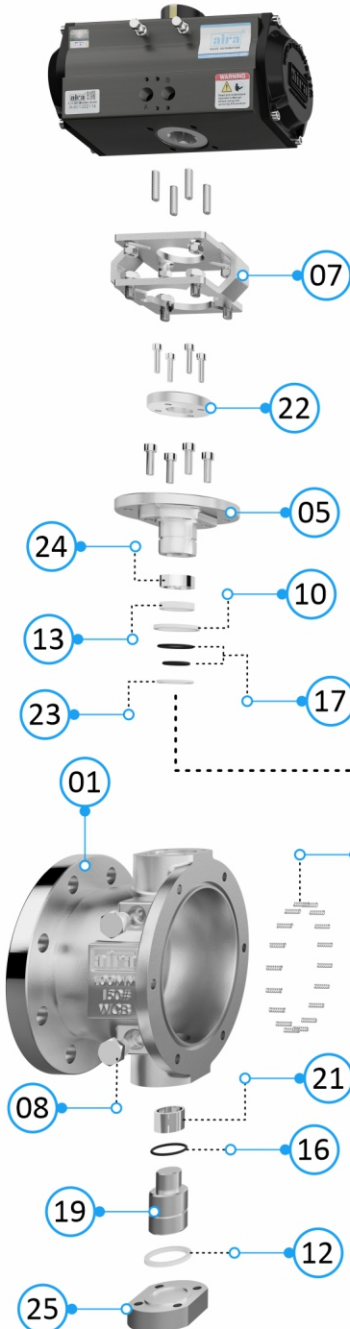
Multiport Ball Valve

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



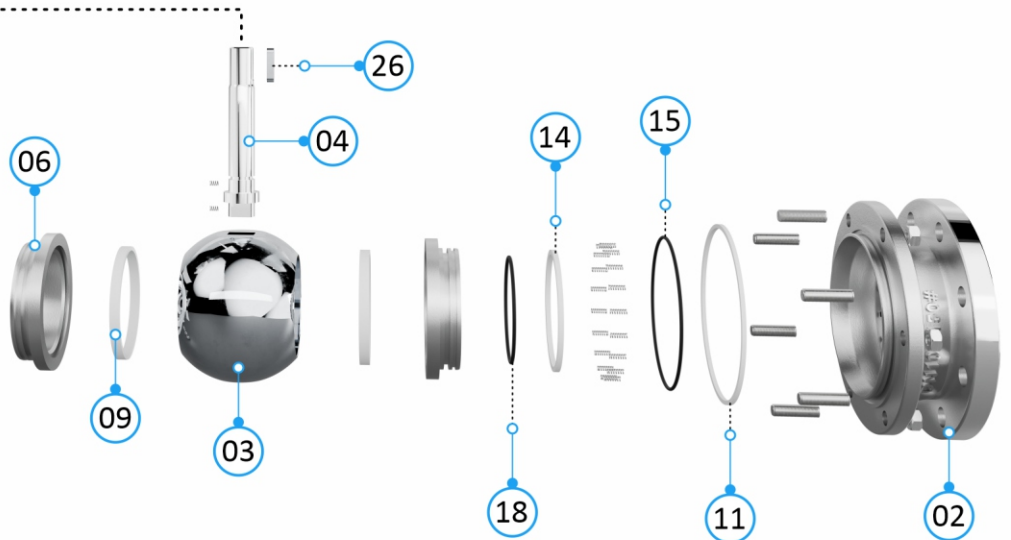
2PC TRUNNION MOUNTED EXPLODED BALL VALVE

OPERATING VARIANTS :



MATERIALS :

Item No.	Item Name	Material Name			
1	Body	CF8 / CF8M / WCB	15	Body O Ring	VITON
2	Connector	CF8 / CF8M / WCB	16	Bonnet & Trunnion O Ring	VITON
3	Ball	CF8 / CF8M / CF3M	17	Stem O Ring	VITON
4	Stem Pin	S.S. 304 / 316 / 316L	18	Seat O Ring	VITON
5	Bonnet	CF8 / CF8M / CF3M	19	Trunnion Pin	S.S. 304 / 316 / 316L
6	Seat Holder	CF8 / CF8M / CF3M	20	Spring For Seat	INCONEL X750
7	Gearbox Bracket	S.S. 304 / 316 / 316L	21	Trunnion Thrust Ring	CS / S.S. + PTFE
8	Drain / Vent Plug	S.S. 304 / S.S. 316	22	Gland Flange	CF8 / CF8M / CF3M
9	Seat Insert	PTFE / RPTFE / NYLON	23	Trunnion Thrust Washer	PTFE / RPTFE
10	Stem Thrust Washer	PTFE / RPTFE	24	Gland Collar	S.S. 304
11	Body Seat	GRAFOIL	25	Trunnion Plate	S.S. 304 / 316 / 316L
12	Bonnet Seat	GRAFOIL	26	Gearbox Key	EN8
13	Gland Packing	GRAFOIL	27	Fasteners	S.S. 304
14	Seat Graphoil	GRAFOIL			



2PC DESIGN TRUNNION MOUNTED BALL VALVE 150# / 300# / 600#

“aira” Offers Reliable Ball Valves For 2 Way 150# / 300# / 600# Application. Complete Internal Manufacturing Ensure Faster Delivery, Competitive Pricing, Utmost Quality Control & Flexibility To Serve A Customer. Wide Variety Of Seat Options Available For Different Applications. Scotch & Yoke Type Pneumatic Actuator, Rack & Pinion Type Pneumatic Actuator And Gear Box Operated.

Standard

- Basic Design** : API 6D / BS EN 17292
- Face To Face Dimensions** : API 6D / ASME B 16.10 - 150# / 300# / 600#
- End Connection** : ASME B 16.5
- Port Diameter** : API 6D / BS EN 17292
- Wall Thickness** : ASME B16.34 / BS EN 17292 / BS EN-12516-2
- Fugitive Emission Testing** : ISO 15848-1
- Fire Safe Testing** : API 607 7th Edition

Technical Specification

- Pressure** : ASME Class 150 / 300 / 600
- Temperature** : PTFE : upto 180°C
- Ball Seat Material** : PTFE / RPTFE / NYLON / DEVLON / PEEK

SIZE RANGE 2" UPTO 20" FLANGED



CE, SIL 3, FET, PED, IBR
Approved



Dimensions : 150#

Valve Model	Valve Size MM Inch	+10 -0.0 PORT	+3.0 -3.0 L-150#	+2.0 -1.0 OD	+1.0 -1.0 Øg	+3.0 -0.0 b	+0.5 -0.5 f	ØJ	N	K:PCD	+3.0 -3.0 HI
CBB-50	50 2"	49	178	150	92	14	2	19	4	121	-
CBB-65	65 2 1/2"	62	191	180	105	16	2	19	4	140	-
CBB-80	80 3"	74	203	190	127	18	2	19	4	152	-
CBB-100	100 4"	100	229	230	157	22	2	19	8	191	195
CBB-125	125 5"	125	254	255	186	23	2	22	8	216	248
CBB-150	150 6"	150	280	280	216	24	2	22	8	241	394
CBB-200	200 8"	201	345	345	270	27	2	22	8	298	312
CBB-250	250 10"	252	406	406	324	29	2	25	12	362	349
CBB-300	300 12"	303	485	485	381	31	2	25	12	432	395
CBB-350	350 14"	334	535	535	413	33	2	29	12	476	394
CBB-400	400 16"	385	597	597	470	35	2	29	16	540	450
CBB-450	450 18"	436	635	635	533	38	2	32	16	578	489
CBB-500	500 20"	487	700	700	584	41	2	32	20	635	-

300#

Valve Model	Valve Size MM Inch	+10 -0.0 PORT	+3.0 -3.0 L-150#	+2.0 -1.0 OD	+1.0 -1.0 Øg	+3.0 -0.0 b	+0.5 -0.5 f	ØJ	N	K:PCD	+3.0 -3.0 HI
CBB-50	50 2"	49	216	165	92	21	2	19	8	127	-
CBB-65	65 2 1/2"	62	241	190	105	24	2	22	8	149	-
CBB-80	80 3"	74	283	210	127	27	2	22	8	168	-
CBB-100	100 4"	100	305	255	157	30	2	22	8	200	-
CBB-125	125 5"	125	381	280	186	33	2	22	8	235	-
CBB-150	150 6"	150	403	320	216	35	2	22	12	270	272
CBB-200	200 8"	201	502	381	270	40	2	25	12	330	312
CBB-250	250 10"	252	568	445	324	46	2	29	16	387	318
CBB-300	300 12"	303	648	521	381	50	2	32	16	451	368
CBB-350	350 14"	334	762	585	413	53	2	32	20	514	403
CBB-400	400 16"	385	838	650	470	56	2	35	20	572	440
CBB-450	450 18"	436	914	711	533	59	2	35	24	629	489
CBB-500	500 20"	487	991	775	584	62	2	35	24	686	525

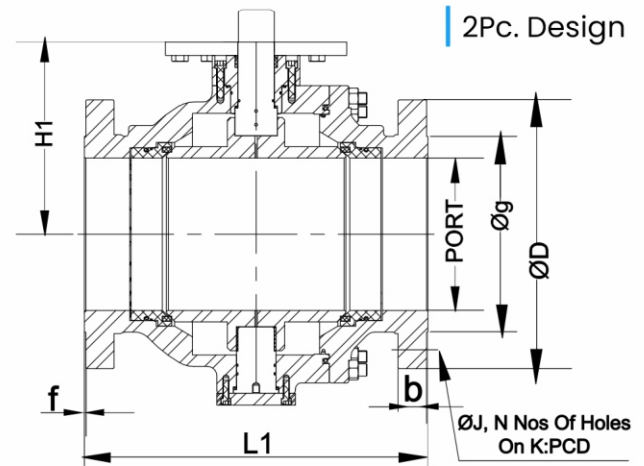
600#

Valve Model	Valve Size MM Inch	+10 -0.0 PORT	+3.0 -3.0 L-150#	+2.0 -1.0 OD	+1.0 -1.0 Øg	+3.0 -0.0 b	+0.5 -0.5 f	ØJ	N	K:PCD	+3.0 -3.0 HI
CBB-50	50 2"	49	292	165	92	25	7	19	8	127	-
CBB-65	65 2 1/2"	62	330	190	105	29	7	22	8	149	-
CBB-80	80 3"	74	356	210	127	32	7	22	8	168	-
CBB-100	100 4"	100	432	275	157	39	7	25	8	216	237
CBB-125	125 5"	125	508	330	186	45	7	29	8	267	-
CBB-150	150 6"	150	559	356	216	48	7	29	12	292	274
CBB-200	200 8"	201	660	420	270	56	7	32	12	349	272
CBB-250	250 10"	252	787	510	324	64	7	35	16	432	339
CBB-300	300 12"	303	838	560	381	67	7	35	20	489	384
CBB-350	350 14"	334	889	605	413	70	7	38	20	527	411
CBB-400	400 16"	385	991	686	470	77	7	41	20	603	467
CBB-450	450 18"	436	1092	745	533	83	7	45	20	654	513
CBB-500	500 20"	487	1194	815	584	89	7	45	24	724	585

*All Dimensions Are In MM

Features

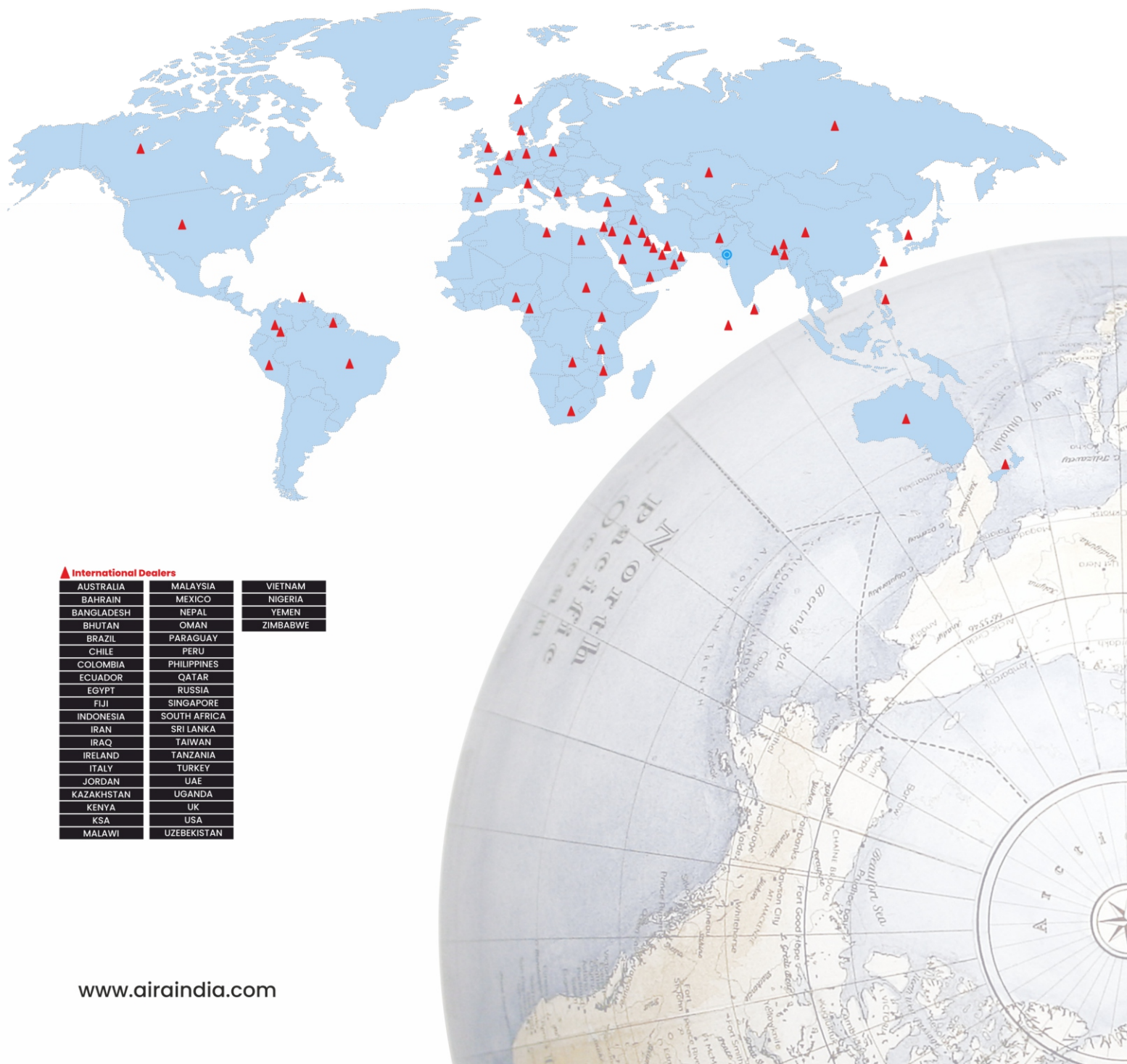
- Most Popular & Reliable Valve For Isolation & Shut Down Application.
- Block & Bleed / Double Block & Bleed Function
- Inherently No Pressure Drop
- Locking Provision & Position Of Obturator
- Stem Extension
- Lifting Lugs
- QSL-2 / QSL-3 / QSL-3G / QSL-4 / QSL-4G





*time tested designs with
superior performance*

GLOBAL Network



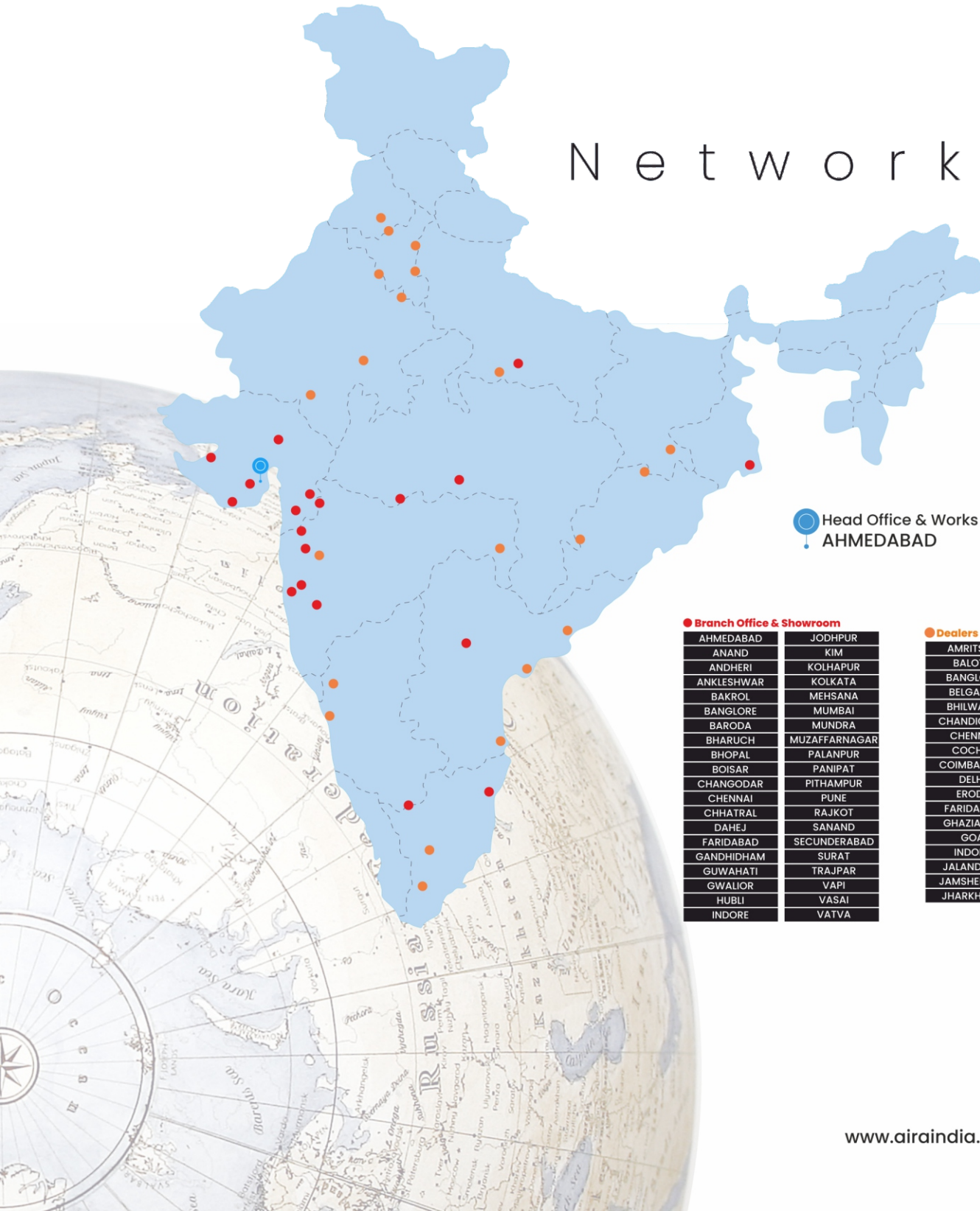
▲ International Dealers

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

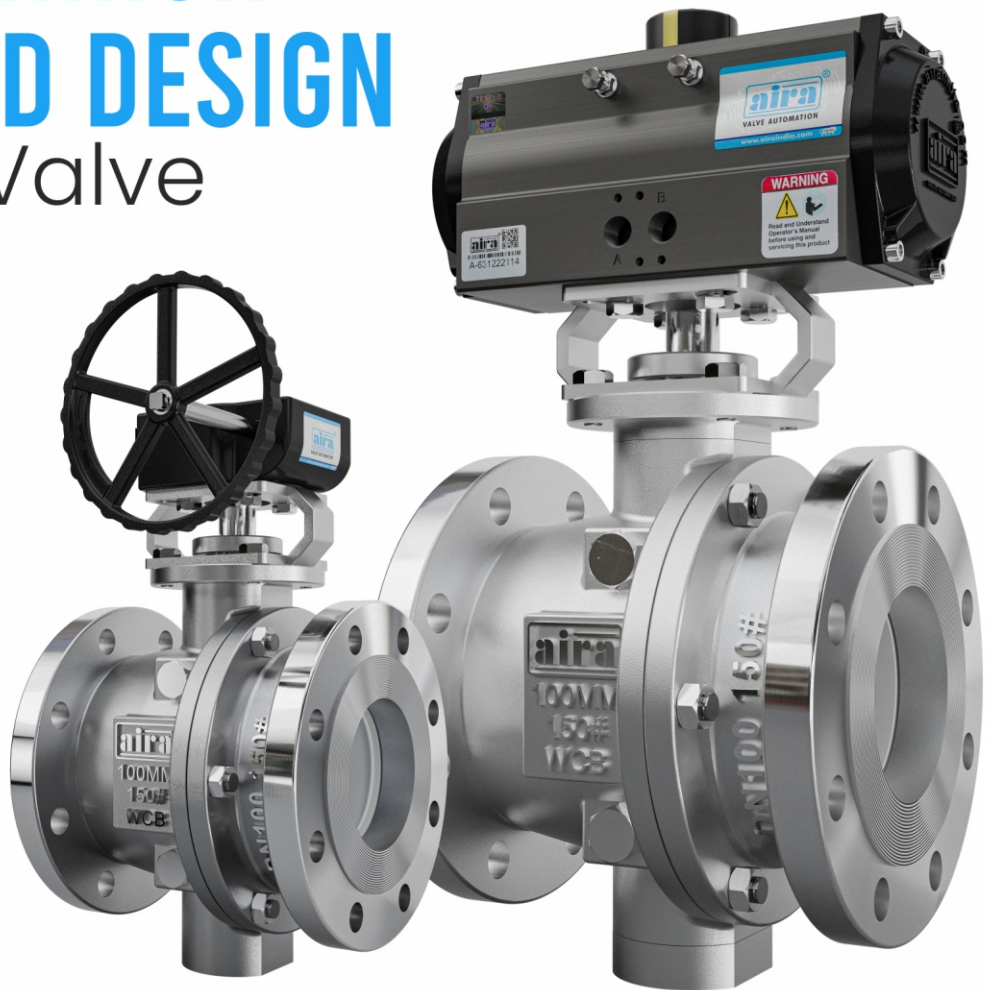
● **Branch Office & Showroom**

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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