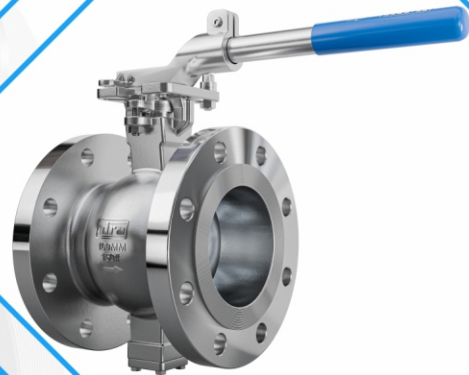


YOUR SOLUTION PARTNER IN
INDUSTRIAL
VALVE AUTOMATION...



V - KNOTCH 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

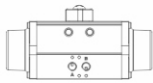
OHSAS (Occupational Health & Safety Management System)

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

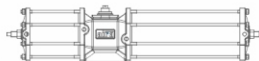
Pneumatic Actuator

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



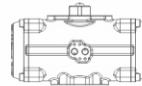
Scotch & Yoke Actuator

CE / ATEX / SIL-3



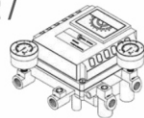
Stainless Steel Actuator

CE /
IEP ATEX



Positioner Enclosure

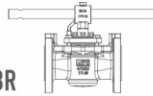
CE / CIMFR /
IP67 / BIS
/ PESO



aira's
SOME OF OUR
Certificates

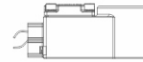
Plug Valve

FUGITIVE EMISSIONS
TEST
AS PER ISO
15848-1 / IBR



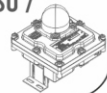
Flameproof Solenoid Valve

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



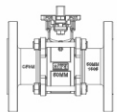
Limit Switch

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



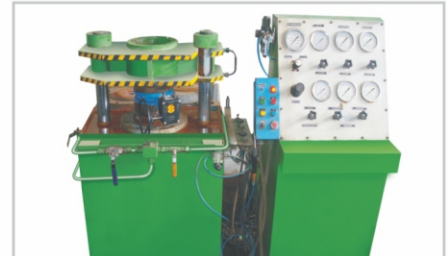
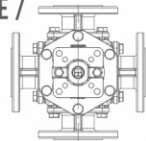
Butterfly Valve (centric / Double & Triple Eccentric)

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



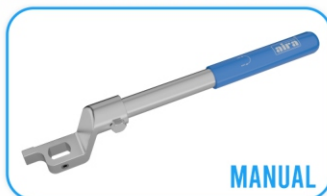
Multiport Ball Valve

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



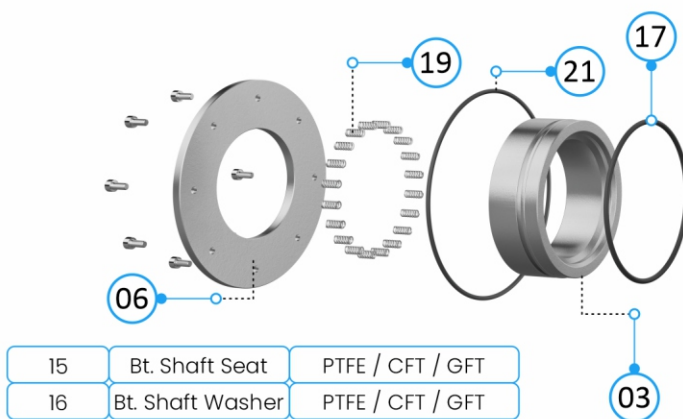
V-KNOTCH EXPLODED BALL VALVE

OPERATING VARIANTS :

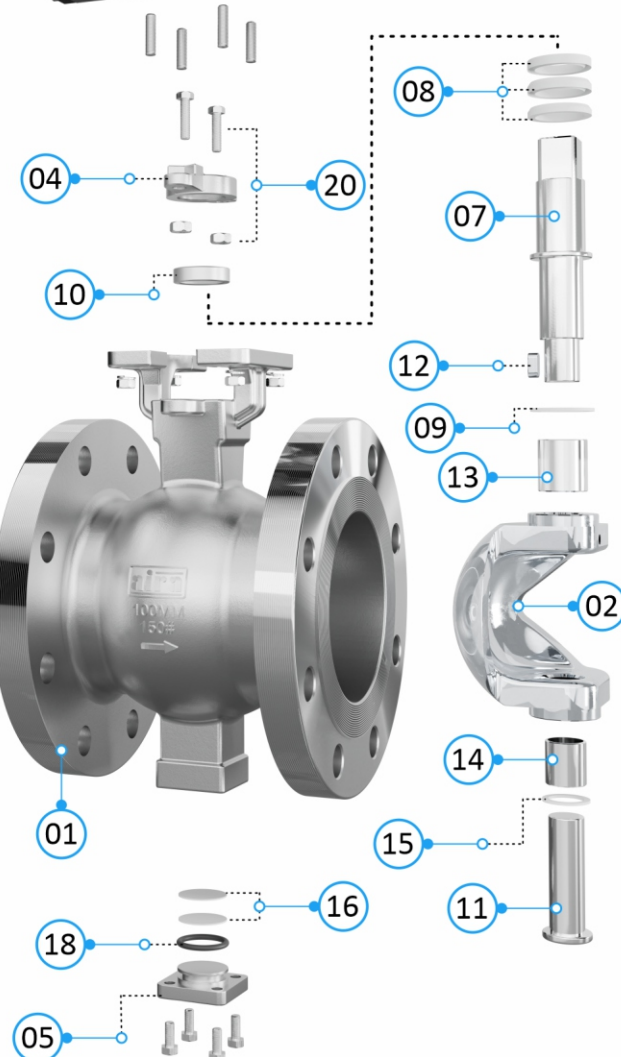


MATERIALS :

Item No.	Item Name	Material Name
1	Body	CF8 / CF8M / WCB
2	Ball	CF3M / CF8 / CF8M
3	Seat	S.S. 304 / S.S. 316
4	Gland	CF8 / CF8M
5	Bottom Gland	S.S. 304 / S.S. 316
6	Seat Guide	S.S. 304 / S.S. 316
7	Top Shaft	S.S. 304 / S.S. 316
8	Stem Seat	PTFE / CFT / GFT
9	Top Shaft Seat	PTFE / CFT / GFT
10	Spacer Ring	S.S. 304 / S.S. 316
11	Bottom Shaft	S.S. 304 / S.S. 316
12	Shaft Key	S.S. 304 / S.S. 316
13	Top Du Bush	S.S. + PTFE
14	Bottom Du Bush	S.S. + PTFE



15	Bt. Shaft Seat	PTFE / CFT / GFT
16	Bt. Shaft Washer	PTFE / CFT / GFT
17	Seat O-ring	VITON
18	Gland O-ring	VITON
19	Seat Spring	S.S. 304 / S.S. 316
20	Gland Bolt+nut	S.S. 304
21	Body O-ring	VITON
22	Fasteners	S.S. 304



V-KNOTCH (SEGMENTED) BALL VALVE

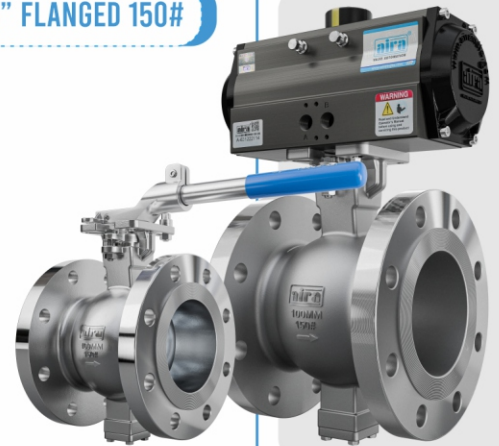


“aira” Offers Standard Round Ported Ball Valves Have Been Used, And Continue To Be Used, For Many Control Applications Such As Services Involving Moderate Pressure Drops. Now, With The Development Of Aira V Balls Characterized, A Full Range Of Control Applications Is Available With Superior Flow Control. These Quarter Tone Control Ball Valves Are More Compact, Lighter Weight And Much Less Expensive Than Comparably Sized Globe Valves And Segmented Control Valves Offered By Other Companies. Aira Control Valves Offer Fast Response Times To Control Signals Due To Advanced Digital Control Of Actuation And The Inherent Strengths Of Ball Valves. These Valves Exceed Class VI Offering Bubble Tight Shut Off With Zero Leakage. Other Features Include Superior Quality, High Flow Capacity, the Ability To Function With Fluids Containing Solids And Fibers And Ease Of Maintenance.

Standard

- **Design & Manufacturer** : BS EN ISO 17292 / B 16.34
- **Valve Face To Face Dimension** : ANSI B 16.10 / IEC DIN 534-3-2
- **Flange Standard Conformity** : ASA B 16.5 150# / BS EN 10 Table D,E,F
(Customer Specified)
- **Inspection & Testing** : ASME FCI 70-2 Metal Seat For Uni-Direction Flow

SIZE RANGE 1" UPTO 16" FLANGED 150#



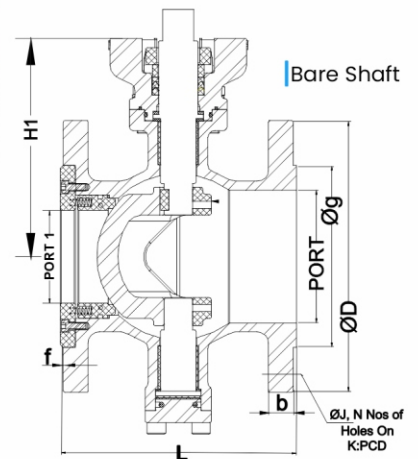
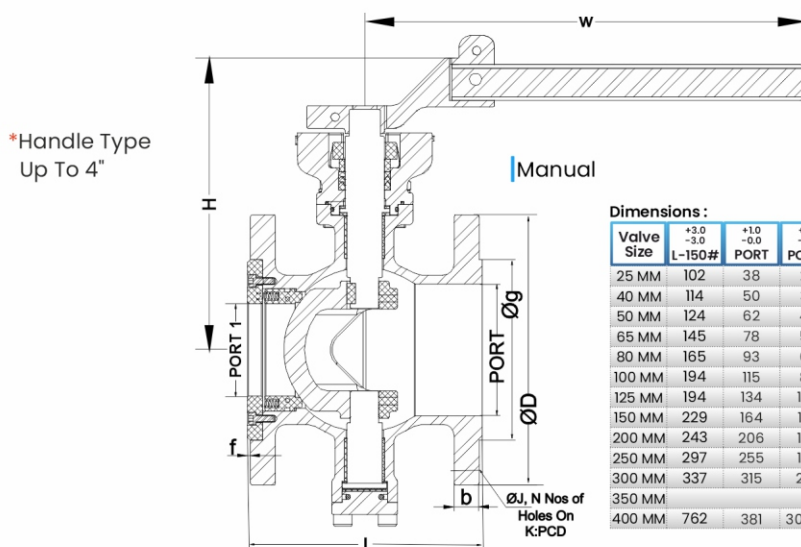
Features

- Soft Seat Valves Exceed Class VI Offering Bubble Tight Shut Off With Zero Leakage.
- Precise Contouring Of The V-Notch Balls Provides A Nearly Equal Percentage Characteristic.
- Replaceable Ball Seal & Backup Ring For Added Rigidity.
- Ball Machined To A Super Smooth Finish, Hard Chrome Plated And Polished To Increase Ball Seal Life.
- High CV To Body Size Ratio.

Testing Pressure	Type Of Test	Pressure Soft	Metal Seat
Valve Body	Hydraulic	22	16
Seat	Hydraulic	10	05
Seal	Pneumatic	07	--

Technical Specification

- **Pressure** : 150# - Upto 10 Kg/cm² & Metal Seat upto 5kg Only
- **Temperature** : PTFE : Upto 180°C / RTPFE-220



Dimensions :

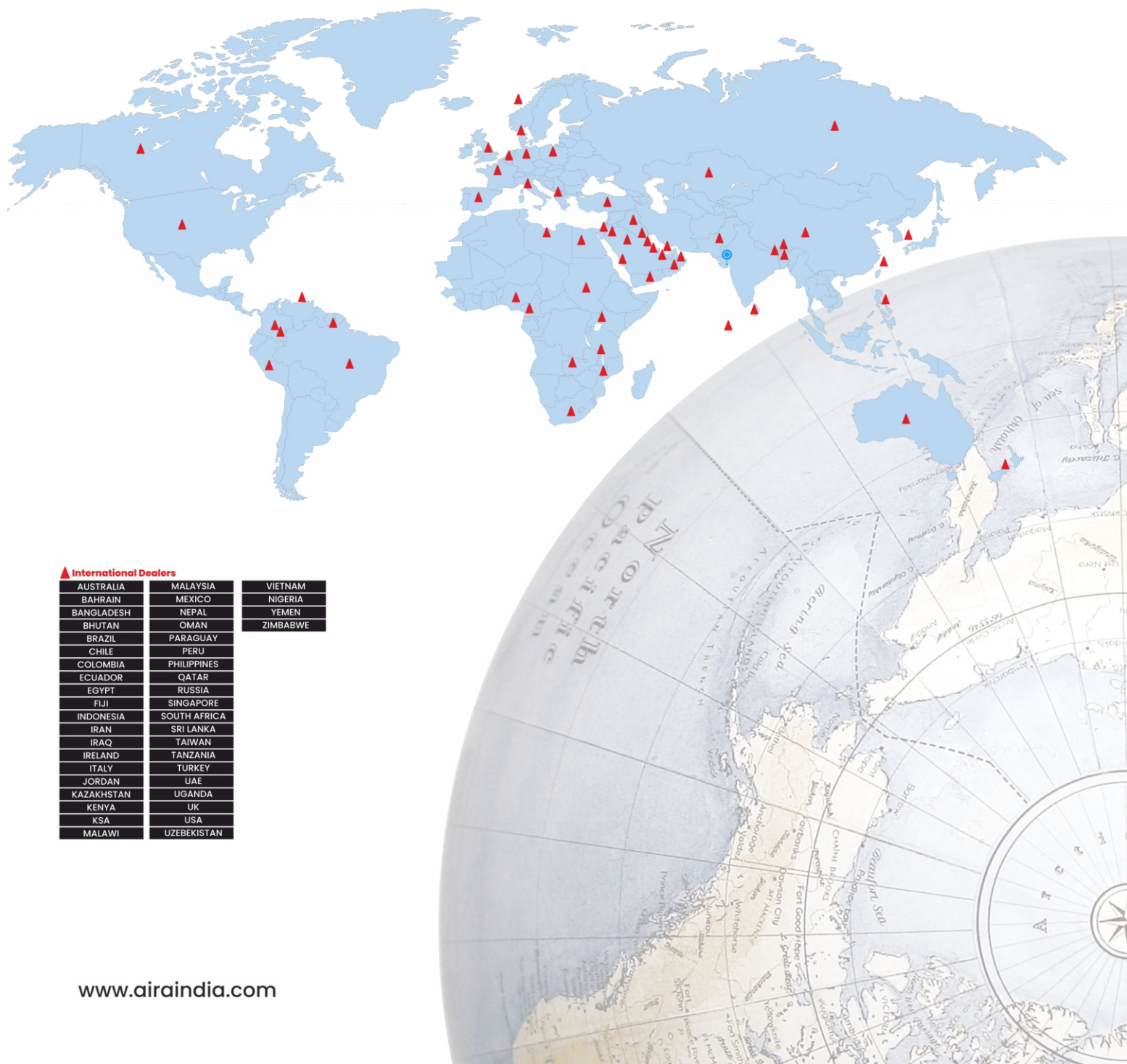
Valve Size	+3.0 -3.0	+1.0 -0.0	+0.0 -0.0	+2.0 -1.0	+1.0 -1.0	+3.0 -0.0	+0.5 -0.5	ØJ	N	+1.5 -1.5	+5.0 -5.0	+3.0 -3.0	+10.0 -10.0
L-150#	PORT	PORT 1	ØD	Øg	b	f				K:PCD	H	HI	W
25 MM	102	38	20	110	51	11	2	15.88	4	79.4	138	101	210
40 MM	114	50	32	125	73	14	2	15.88	4	98.4	167	120	276
50 MM	124	62	40	150	92	15	2	19.05	4	120.7	177	131	276
65 MM	145	78	55	180	105	16	2	19.05	4	139.7	197	145	310
80 MM	165	93	65	190	127	18	2	19.05	4	152.4	206	152	321
100 MM	194	115	84	230	157	22	2	19.05	8	190.5	210	157	311
125 MM	194	134	100	255	186	22	2	22.23	8	215.9	240	186	321
150 MM	229	164	125	280	216	24	2	22.23	8	241.3	251	192	386
200 MM	243	206	155	345	270	27	2	22.23	8	298.5	318	250	683
250 MM	297	255	194	405	324	29	2	25.4	12	362	381	310	683
300 MM	337	315	248	485	381	31	2	25.4	12	431.8	423	353	683
350 MM	ON REQUEST.												
400 MM	762	381	303.07	595	469.9	35	2	28.58	16	539.8		407	

*All Dimensions Are In MM



*time tested designs with
superior performance*

GLOBAL Network



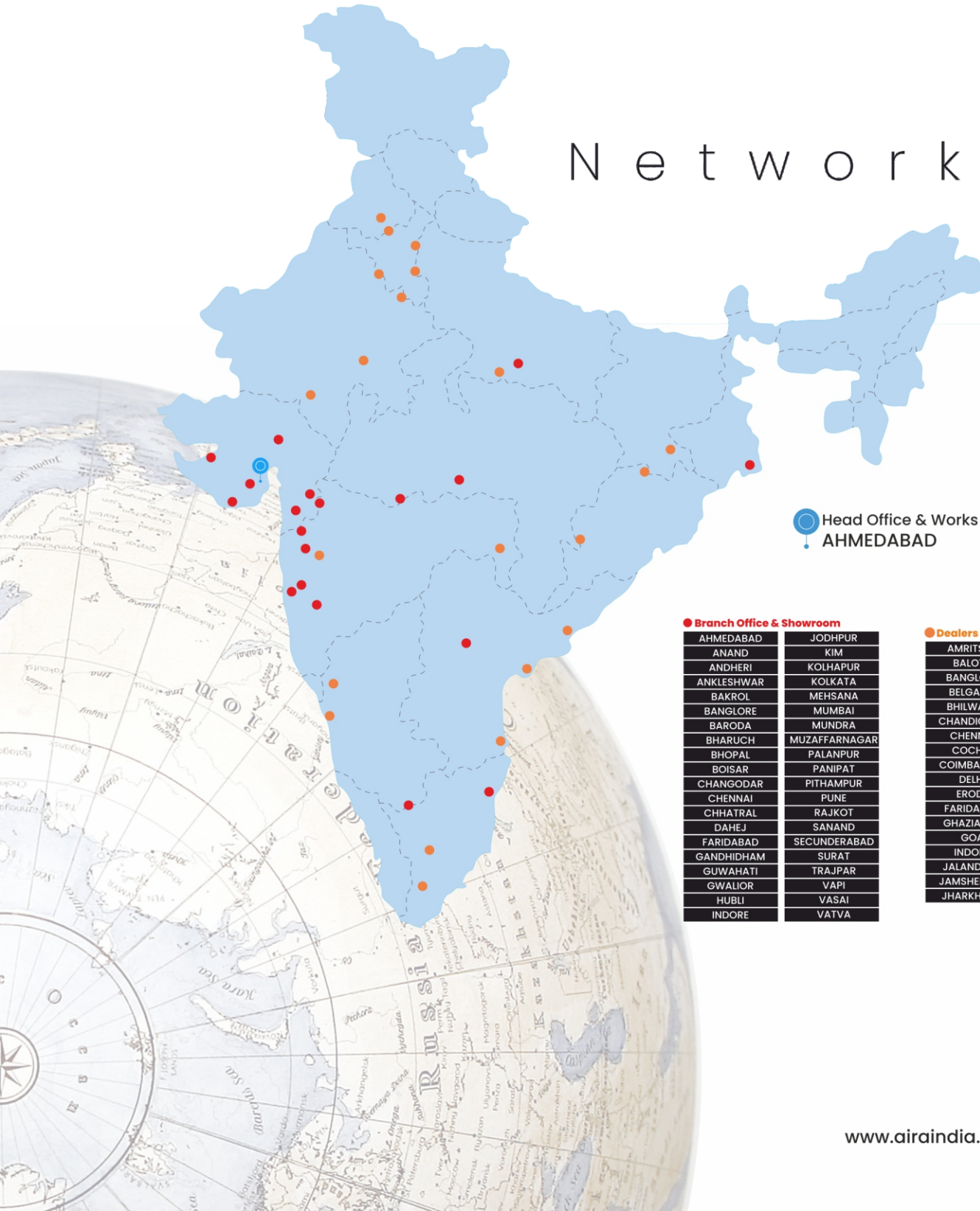
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IRELAND	TANZANIA	
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JORDAN	UAE	
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industrial valve automation

Network



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AHMEDABAD

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BHOPAL	PALANPUR
BOISAR	PANIPAT
CHANGODAR	PITHAMPUR
CHENNAI	PUNE
CHHATRAL	RAJKOT
DAHEJ	SANAND
FARIDABAD	SECUNDERABAD
GANDHIDHAM	SURAT
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INDORE	VATVA

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COCHIN	NOIDA
COIMBATORE	PANIPAT
DELHI	PEENYA
ERODE	PUNE
FARIDABAD	TRIPUR
GHAZIABAD	VARANASI
GOA	VISAKHAPATNAM
INDORE	WADI
JALANDHAR	KANPUR
JAMSHEDPUR	KOLHAPUR
JHARKHAND	

V - KNOTCH DESIGN

Ball Valve



Mfg. & Mkt by :

aira Euro automation pvt. ltd.

Ahmedabad-382405, INDIA.

www.airaindia.com

