

Your Solution Partner In
Industrial Valve Automation...



DOUBLE ACTING ALUMINIUM PNEUMATIC ACTUATOR



Features

- Double Acting rack and pinion actuators.
[SIL3, ATEX, CE APPROVED] Validated for 5,00,000 cycles
- Hard anodised Aluminium body and stainless steel version also available.
- ISO 5211 mounting pad in all rotary actuators for easy mounting
- Wide variety of torque range
- Double Acting scotch and yoke actuators manufactured for torques upto 1,10,000NM.
- Complete automation accessories manufactured by us such as limit switches, positioner, FR, etc.



Mfg. & Mkt by
aira Euroautomation pvt. Ltd.

INDIA

www.airaindia.com



About Us

Clients are why we exist!

We welcome and thank you for referring out detailed catalogue.

aira is know 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 and ISO 9001 BVQI certified company has put **aira** in fore front. Out motto is "Value the customer" and "Superior product", one among the best in the world.

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 rate's 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).



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QMS (Quality Management System)

ISO 9001 : 2015

EMS (Environment Management System)

ISO 14001 : 2015

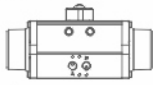
OHSAS (Occupational Health & Safety Management System)

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

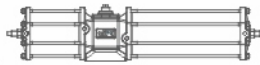
Pneumatic Actuator

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



Scotch & Yoke Actuator

CE / ATEX / SIL-3



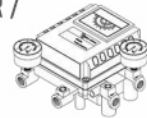
Stainless Steel Actuator

CE /
IEP ATEX



Positioner Enclosure

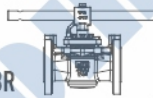
CE / CIMFR /
IP67 / BIS
/ PESO



aira's
SOME OF OUR
Certificates

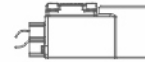
Plug Valve

FUGITIVE EMISSIONS
TEST
AS PER ISO
15848-1 / IBR



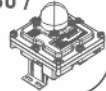
Flameproof Solenoid Valve

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



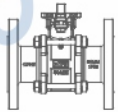
Limit Switch

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



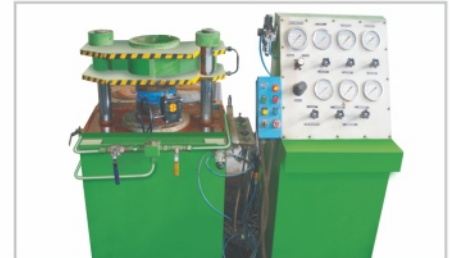
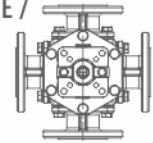
Butterfly Valve (centric / Double & Triple Eccentric)

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



Warranty Information



**Best In Class
4 - Year Warranty**

Aira 'ARA' Actuator manufactured by Aira Euro Automation Pvt. Ltd. are warranted against defects in material or workmanship for a period of four years from date of shipment. Our sole obligation under this warranty is to repair or replace, at our option, any product Aira 'ARA' Actuator products manufactured by Aira Euro Automation Pvt. Ltd. are warranted against defects in material or workmanship for a period of four year from date of shipment. Our sole obligation under this warranty is to repair or replace, at our option, any product or any part or parts thereof found to be defective. Aira Euro Automation Pvt. Ltd. MAKES NO OTHER REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. The warranty set forth above is the only warranty applicable to Aira Euro Automation Pvt. Ltd. products and in no event shall Aira Euro Automation Pvt. Ltd. be liable for any delay, work stoppage, cartage, shipping, loss of use of equipment, loss of time, inconvenience, loss of profits of any direct or indirect incidental resulting from or attributable to a breach of warranty. The remedies under this warranty shall be the only remedies available. OUR MAXIMUM LIABILITY SHALL NOT IN ANY EVENT EXCEED THE CONTRACT PRICE FOR THE PRODUCT.



Note : Since, constant worldwide advancement in technology, We keep our rights reserved to make changes time to time in Technical specifications and Dimensions without prior notice.

POD Certificates validates our vision of making actuators that are at par with most critical needs of our customer

we machine these actuators on world class machinery keeping stringent quality parameters to deliver actuators that Perform

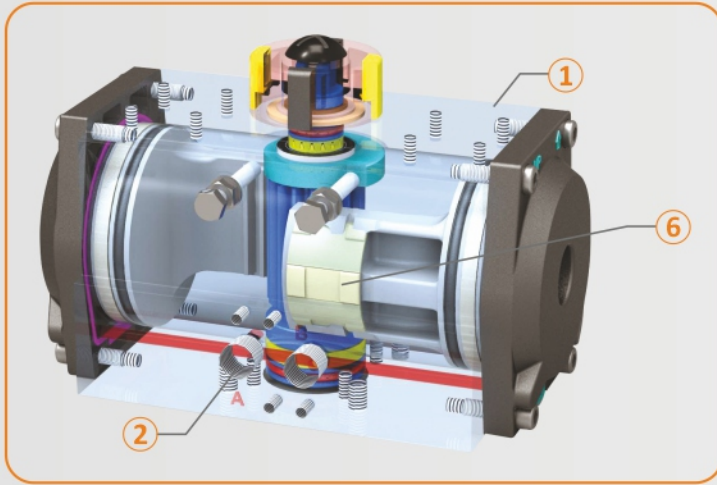
aira [®] AIRA EURO AUTOMATION PRIVATE LIMITED						
TEST REPORT FOR ACTUATOR AS PER BS EN 15714:2009						
W.O.NO.	PROTOTYPE	W.O.DATE : 24/02/2014				
CUSTOMER	SELF	DRAWING NO. : ARA-90-5A REV : 0				
ACTUATOR SIZE	ARA-90	ACTUATOR TYPE S/A				
ACTUATOR SR.NO.	900114029	20-03-2014				
SR.	TEST	TEST DESCRIPTION	REQUIRED VALUE	OBSERVED VALUE	RESULT	REMARKS
1	TYPE	Output Torque	Nominal Pressure 5.5 Bar/Temp.10 C to 25 C	120 NM	OK	
2	TYPE	Pressure	Shell Test at Bar 8	8 BAR	OK	
3	TYPE	Endurance	5,00,000 cycle [Cycle Time 1=4 second.]	CYCLE 5,00,000	OK	
4	TYPE	Minimum Moving Pressure	Min.Moving Pressure Bar 2 at Temp.10 C to 25 C	OK	OK	
5	ROUTINE	Leakage	shoud complies to en 15714	NO VISIBLE LEAKAGE	OK	
6	TYPE	Operating Time	Max 3 second	OK	OK	
7	TYPE	Angel	90 [Range - 0 to 5]	90°	OK	
8	TYPE	Air Consumption	Std.Value	OK	OK	
9	TYPE	Enclosure	shoud complies to EN 60529	OK	OK	
10	TYPE	Corrosion protection	shoud complies to ISO 9277 REP. NO	ENV/G.0890/0900	OK	
10	TYPE	Basic Design	AIRA Design	OK	OK	
11	TYPE	position Indicator	ON-OFF Positioner.	OK	OK	
Above material has been inspected and complies to BS EN 15714:2009						
Tested By :				Approved By :		

POD Certificates available for complete range of Double & Single Acting Rack & Pinion Actuators Validating **5,00,000 CYCLES**

aira [®] AIRA EURO AUTOMATION PRIVATE LIMITED						
TEST REPORT FOR ACTUATOR AS PER BS EN 15714:2009						
W.O.NO.	PROTOTYPE	W.O.DATE : 22/12/2013				
CUSTOMER	SELF	DRAWING NO. : ARA-90-5D REV : 0				
ACTUATOR SIZE	ARA-90	ACTUATOR TYPE D/A				
ACTUATOR SR.NO.	90113085	18/11/2013				
SR.	TEST	TEST DESCRIPTION	REQUIRED VALUE	OBSERVED VALUE	RESULT	REMARKS
1	TYPE	Output Torque	Nominal Pressure 5.5 Bar/Temp.10 C to 25 C	142 NM	OK	
2	TYPE	Pressure	Shell Test at Bar 8	8 BAR	OK	
3	TYPE	Endurance	5,00,000 cycle [Cycle Time 1=4 second.]	CYCLE 5,00,000	OK	
4	TYPE	Minimum Moving Pressure	Min.Moving Pressure Bar 2 at Temp.10 C to 25 C	OK	OK	
5	ROUTINE	Leakage	shoud complies to en 15714	NO VISIBLE LEAKAGE	OK	
6	TYPE	Operating Time	Max 3 second	OK	OK	
7	TYPE	Angel	90 [Range - 0 to 5]	90°	OK	
8	TYPE	Air Consumption	Std.Value	OK	OK	
9	TYPE	Enclosure	shoud complies to EN 60529	OK	OK	
10	TYPE	Corrosion protection	shoud complies to ISO 9277 REP. NO	ENV/G.0890/0900	OK	
10	TYPE	Basic Design	AIRA Design	OK	OK	
11	TYPE	position Indicator	ON-OFF Positioner.	OK	OK	
Above material has been inspected and complies to BS EN 15714:2009						
Tested By :				Approved By :		



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1. Hard Anodized

Barrel / Body to Protect from Hazardous atmosphere & corrosion, which enhance life of actuator

2. Mounting Standard Pinion Top

(As Per Namur Standard) The pinion (shaft) top drilled and slotted for easy assembling of switch, positioners and other accessories.

3. Adjusting Bolt

Adjusting Bolts for $0^\circ - 90^\circ \pm 5\%$ Over Travel

4. ISO - 5211 Standard Mounting for Valve

(An International Standard) Double bottom drilling for actuator to valve Assembling & centering. Designed for strength and easy mounting or interchangeability.

5. ISO - 5211 Standard Pinion Bottom

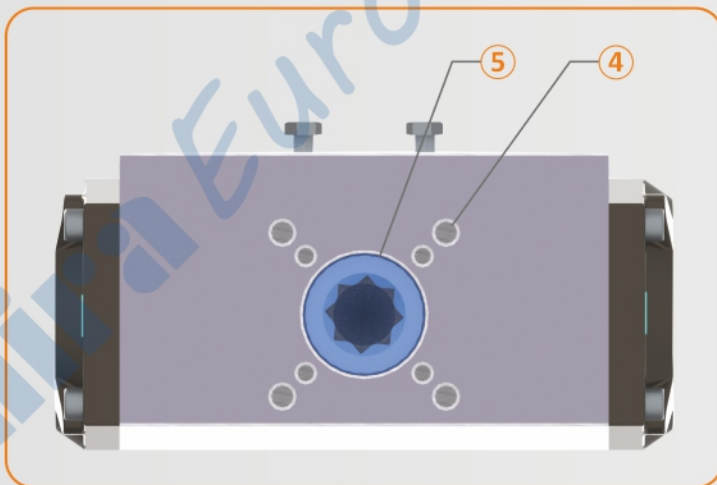
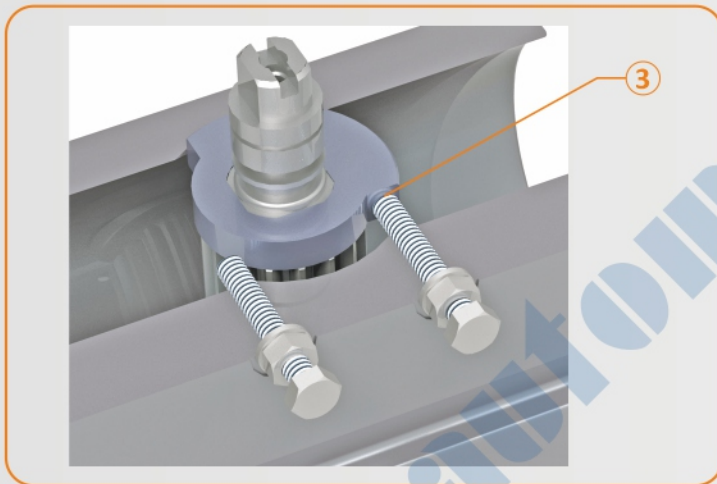
(An International Standard) Bottom of the pinion (Shaft) as female key, double square hole for assembling on valves with square key stem and in line or turned to 45° . Designed for strength and sure-fix with stem

6. Sliding Skates

The innovation for replaceable sliding skates, between Pistons (Racks) and internal bore surface of the Actuator, just to avoid metal contact, which enhances the Actuator life

7. Compact Design

"aira" Actuators are designed as compact double acting which offers high torque values. Internal sliding surface, machined and anodized for minimum friction and long life of actuator.



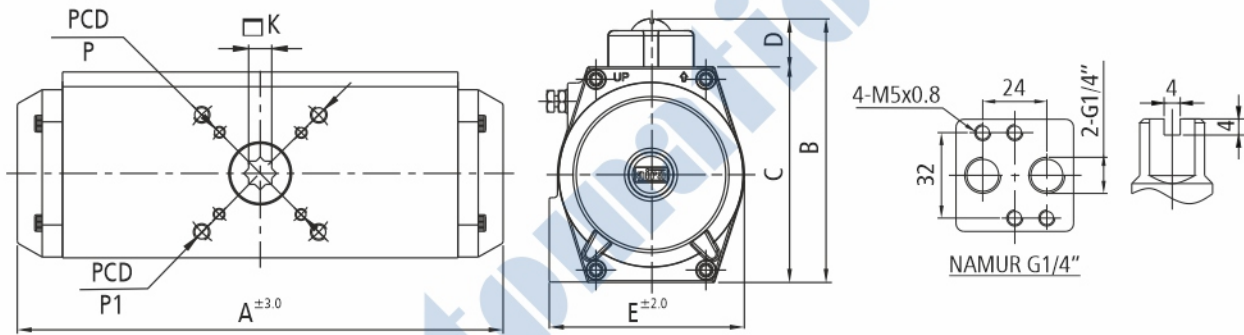
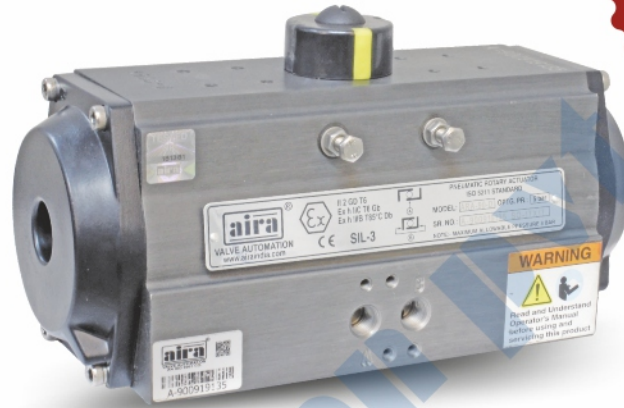
General Features

- Operating Pressure : 3 to 8 BAR
- Temperature Range : -20 °C to 90 °C
- Air Supply : Filtered, dry or lubricated
- Ext. Protection : Corrosion resistant to 500 hours in slatted fog



SIL 3

5,00,000 Cycles



Dimensions :

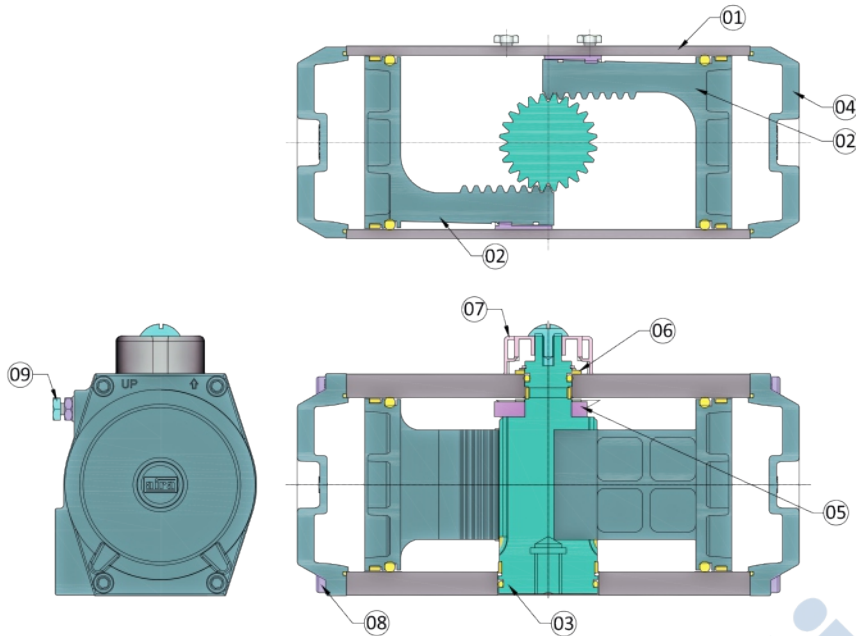
Valve Model	A	B	C	D	E	PCD P	PCD P1	Square □K	WEIGHT (Approx) Kgs.	Air Consumption In Liters / Bar
5412-DD	110	82	54.2	28.25	45	36	50	7X7, 9X9	0.600	On Request
ARA-DD-49-D	130	96.5	69.5	28.29	65	36	50	9X9, 11X11	1.100	0.2
ARA-DD-50-D	153.5	102	74	28.45	72.8	50	70	9X9, 11X11, 13X13, 14X14	1.400	0.25
ARA-DD-63-D	147.5	113.6	87.5	27.4	76	50	70	9X9, 11X11, 13X13, 14X14	2.650	0.43
ARA-DD-75-D	188	126.5	100	28.3	83	50	70	9X9, 11X11, 13X13, 14X14, 15X15, 17X17	2.800	0.66
ARA-DD-83-D	170	135.5	109	28.28	83.2	50	70	11X11, 13X13, 14X14, 17X17	3.300	0.75
ARA-DD-90-D	265.5	145.5	117	28.26	90.9	---	70	11X11, 13X13, 14X14, 15X15, 17X17	5.050	1.37
ARA-DD-110-D	267	166	140	28.3	124.9	70	102	14X14, 17X17, 22X22, 27X27	7.400	2.6
ARA-DD-127-D	312	180	153	28.26	135	102	125	14X14, 17X17, 22X22, 27X27	10.100	3.8
ARA-DD-140-D	364	198	172	38.48	144	102	125	17X17, 22X22, 27X27	14.000	4.1
ARA-DD-160-D	417	228	196	39.43	161	102	125	22X22, 27X27, 36X36	20.750	7.48
ARA-DD-200-D	405	292	253	39.81	210.4	100X150	140	27X27, 36X36	32.600	10.03
ARA-DD-210-D	563.5	292	253	39.81	210.20	100X150	140	27X27, 36X36, 46X46	59.000	10.64
ARM - 240 - D	620	320.2	292.5	28	---	---	165	46 X 46	65.000	On Request
ARM - 270 - D	733.4	364.3	328.4	36	---	---	165	46 X 46	83.500	On Request
ARM - 300 - D	825	393.7	355.7	38	---	---	165	46 X 46	109.500	On Request
ARM - 350 - D	842.2	445.6	410.6	35	---	---	165	46 X 46	147.600	On Request
ARM - 400 - D	926.5	503.6	463.4	40	---	---	165	55 X 55	310.500	On Request

(All Dimensions are in mm)



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Pneumatic Rotary Rack & Pinion Actuator [DOUBLE ACTING]



No.	Description	Material
1	Body	Aluminium Alloy
2	Piston	Aluminium Alloy
3	Shaft	EN 8
4	End Cover	Aluminium Alloy
5	Adaptor	EN 8
6	Shaft Washer	S. S.
7	Indicator	Nylon
8	L. N. Bolt for End Cap	S. S.
9	Adjustable Bolt + Nut + Washer	S. S.
10	All Seals	Hi - Nitrile
11	All Guides	Delrin

"aira" ACTUATOR SELECTION

Selection of Double Acting Actuator

- Conclude your required torque valve.
- Increase 15% for an acceptable safety factor. (Safety factor depends on media passing through valve.)
- Now look on torque chart and find near by higher torque value of your required torque.
- The found position shows the model of "aira" actuator & operating pressure in bar we need

Example

- Suppose we need 55 Nm torque to drive a valve.
- Increase 15%-63.3 Nm for safety factor.
- In below table the nearby higher torque value is 78 at operating pressure 6 bar.
- This indicators to selection the "aira" actuators model ARA-DD-75-D


DOUBLE ACTING ACTUATOR TORQUE CHART IN Nm

(10Nm = 1 kgfm)

Valve Model	3 BAR	4 BAR	5 BAR	6 BAR	7 BAR
5412-DD	3.60	4.7	6	7.50	8.50
ARA-DD-49-D	9.50	12.6	16	19.5	22.5
ARA-DD-50-D	13.5	18.5	23	27.5	32
ARA-DD-63-D	19	25.5	32	39.5	46.0
ARA-DD-75-D	38	51	65.0	78	90.8
ARA-DD-83-D	42	56	71	85	97
ARA-DD-90-D	84	115.5	145.0	174	202.0
ARA-DD-110-D	135	170	225	265	304
ARA-DD-127-D	206	279	349	423	497
ARA-DD-140-D	301	408	514	620	694
ARA-DD-160-D	439	582	737	892	1064
ARA-DD-200-D	720	950	1182	1420	1650
ARA-DD-210-D	1138	1505	1900	2183	2486
ARM - 240 - D	1221	1628	2031	2445	2849
ARM - 270 - D	1958	2611	3264	3916	4569
ARM - 300 - D	2403	3205	4006	4807	5608
ARM - 350 - D	3598	4798	5998	7197	8397
ARM - 400 - D	5127	6837	8546	10255	11964

Model : APP-1200-L
APP-1200-R

"aira" Rotary / Liner Type Pneumatic - Pneumatic Valve Positioner




Input Signal	: 3 ~ 15psi (0.2-1.0 kgf/cm ²)
Supply Air Pressure	: 100 psi Max. (7.0 kgf/cm ²)
Standard Stroke	: 10 ~ 80mm
Air Piping Connection	: 1/4" NPT (F)
Temperature	: -20 °C to 70 °C
Pressure Gauge	: Stainless Steel
Explosion-Proof	: Ex 'd' II CT6
Degree of Protection	: IP66
Pressure Gauge	: Stainless Steel 0-2 kg/cm ² 0-4 kg/cm ² / 0-10 kg/cm ²
Output Characteristics	: Rotary
Linearity	: Within ± 1.0% F.S.
Sensitivity	: Within 0.2% F.S.
Hysteresis	: Within 0.2% F.S.
Repeatability	: Within ± 0.75% F.S.
Air Consumption	: 5.0 LPM (1.4 kg/cm ²) Supply
Flow Capacity	: 80 LPM (1.4 kg/cm ²) Supply
Material	: Aluminium Die cast Body
Weight	: 1.8 Kg. (Approx)

IS / IEC 60079-1
CIMFR
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Model : AEP-1000-L
AEP-1000-R

"aira" Rotary / Liner Flameproof cum Waetherproof Electro Pneumatic Valve Positioner



Input Signal	: 4~20 mA DC
Input Resistance	: 235 ±15
Supply Air Pressure	: 20 ~ 100psi (7.0 kg/cm ²)
Standard Stroke	: 10 ~ 80mm
Air Piping Connection	: 1/4" NPT (F)
Conduit Connection	: 1/2" NPT (F)
Explosion-proof	: Ex 'd' II CT6
Degree of Protection	: IP66
Temperature	: -20 °C to 70 °C
Pressure Gauge	: Stainless Steel 0-2 kg/cm ² 0-4 kg/cm ² / 0-10 kg/cm ²
Output Characteristics	: Rotary
Linearity	: Within ± 1.0% F.S.
Sensitivity	: Within 0.2% F.S.
Hysteresis	: Within 0.75% F.S.
Repeatability	: Within ± 0.5% F.S.
Air Consumption	: 5.0 LPM (1.4 kg/cm ²) Supply
Flow Capacity	: 80 LPM (1.4 kg/cm ²) Supply
Material	: Alluminium Die Cast Body
Weight	: 2.8 Kg. With a terminal box

IS / IEC 60079-1
CIMFR
CML-3812155
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CCEO Nagpur

"aira" Weatherproof Micro Limit Switch Box Dom Indicator Type On/Off Indicator



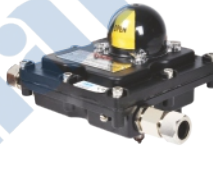
Stainless Steel



Type	: Mechanical Switch X 2 / Proximity Sensors P&F Make
Model	: LA4 - FLP - 01
Switch	: Honeywell V15 / Honeywell V15 / NJ2-V3-N (Upto 8V) / NBB3-V3-Z4 (Upto 10 to 60 VDC)
Type	: 1 NO + 1 NC / 2 NO + 2 NC
Switch Rating	: AC 250V 3A, 125V 5A & DC 250V 0.2A, 125V 0.4A, 30V 4A
Enclosure Protection	: IP 67
Temperature	: -20 °C ~ 80 °C
Conduit Entry	: NPT 1/2" (PT 1/2", PF 1/2", M20, PG 13.5)
Terminal Mounting	: 8 Points
Bracket	: Namur VDI / VDE 3845, ISO 5211
Material	: Aluminum Pressure Die Cast / S.S.

IS / IEC 60079-1
CIMFR
CML-3812155
CE
CCEO Nagpur


"aira" Flameproof Limit Switch Box



Type	: Mechanical Switch X 2 / Proximity Sensors P&F Make
Model	: MLS - BX - FLP - 01
Switch	: Honeywell V15 / Honeywell V15 PCB Type / NJ2-V3-N (Upto 8V) / NBB3-V3-Z4 (Upto 10 to 60 VDC)
Type	: 1 NO + 1 NC / 2 NO + 2 NC
Switch Rating	: AC 250V 3A, 125V 5A & DC 250V 0.2A, 125V 0.4A, 30V 4A
Enclosure Protection	: IP 67 / IP 68
Temperature	: -20 °C ~ 80 °C
Conduit Entry	: NPT 1/2" (PT 1/2", PF 1/2", M20, PG 13.5)
Terminal Mounting	: 8 Points
Bracket	: Namur VDI / VDE 3845, ISO 5211
Material	: Aluminum Pressure Die Cast

IS / IEC 60079-1
CIMFR
CML-3812155
CE
CCEO Nagpur


"aira" Flameproof Micro Limit Switch Box with Stainless Steel 304 / 316



Type	: Mechanical Switch X 2 / Proximity Sensors P&F Make
Model	: LS4 - FLP-01
Switch	: Honeywell V15 / Honeywell V15 PCB Type / NJ2-V3-N (Upto 8V) / NBB3-V3-Z4 (Upto 10 to 60 VDC)
Type	: 1 NO + 1 NC / 2 NO + 2 NC
Switch Rating	: AC 250V 3A, 125V 5A & DC 250V 0.2A, 125V 0.4A, 30V 4A
Enclosure Protection	: IP 67
Temperature	: -20 °C ~ 80 °C
Conduit Entry	: NPT 1/2" (PT 1/2", PF 1/2", M20, PG 13.5)
Terminal Mounting	: 8 Points
Bracket	: Namur VDI / VDE 3845, ISO 5211
Material	: Stainless Steel 304 / 316

IS / IEC 60079-1
CIMFR
CML-3812155
CE
CCEO Nagpur

"aira" Weatherproof Limit Switch Box



Type	: Mechanical Switch X 2 / Proximity Sensors P&F Make
Model	: MMLS - BX - WP - 01
Switch	: Honeywell ZM / NJ2 - V3 - N (Upto 8 Voltage) / NBB - V3 - Z4 (Upto 10 to 60 VDC)
Type	: 1 NO + 1 NC
Switch Rating	: AC 250V 3A, 125V 5A & DC 250V 0.2A, 125V 0.4A, 30V 4A
Enclosure Protection	: IP 67
Temperature	: -20 °C ~ 80 °C
Conduit Entry	: NPT 1/2" (PT 1/2", PF 1/2", M20, PG 13.5)
Terminal Mounting	: 8 Points
Bracket	: Namur VDI / VDE 3845, ISO 5211
Material	: Aluminum Pressure Die Cast

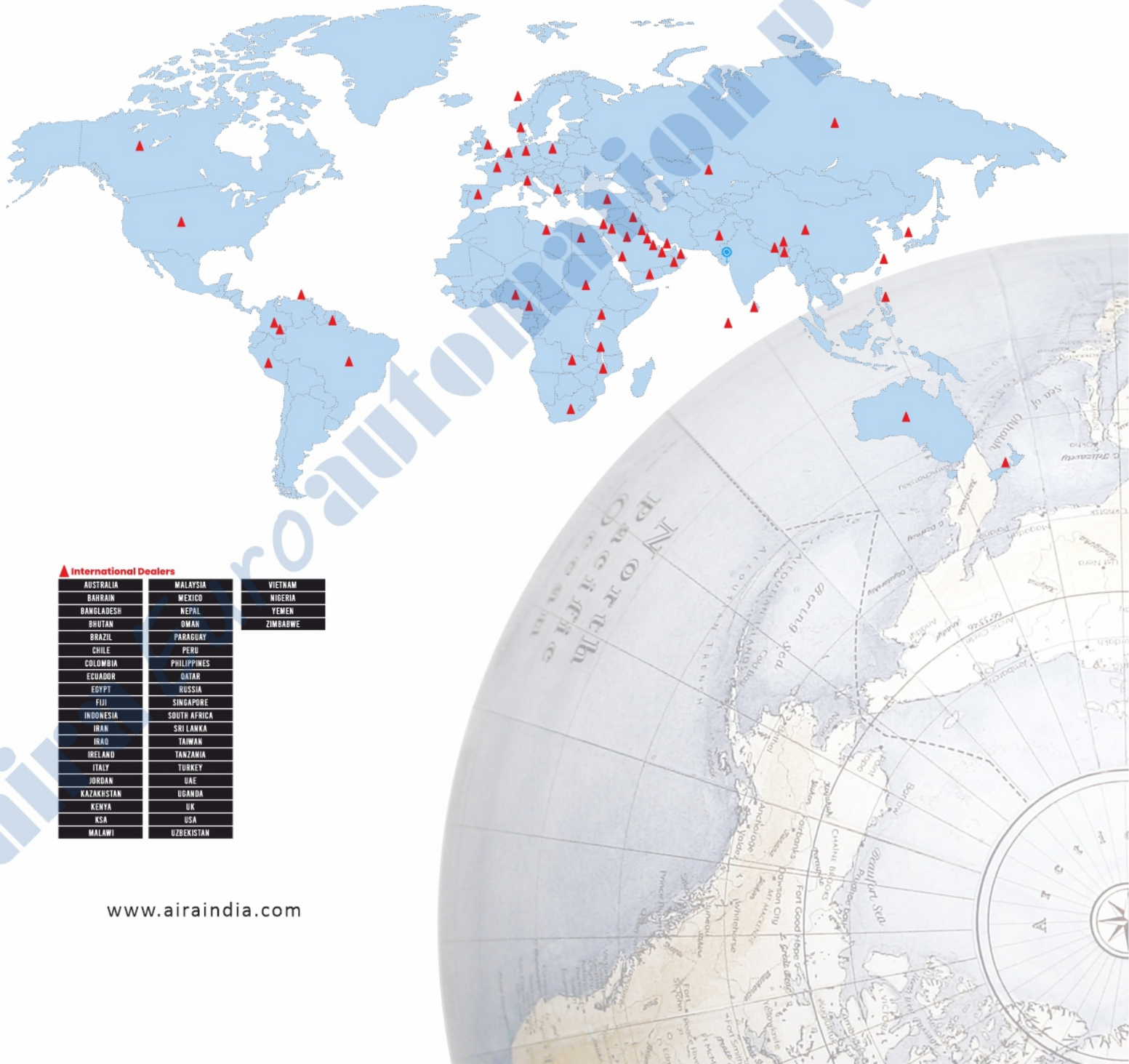
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CCEO Nagpur

	<p>"aira" 3/2 Way Namur Direct Acting Solenoid Valve</p> <p>Model : NAM-SA-32 Coil Voltage : All Std. Voltage Available Frequency : 50 - 60 Hz Connection Type : 1/4" (BSP / NPT) Conduit : PF 1/2" Coil Insulation Grade : Class "F" Temperature : -20 °C ~ 70 °C (-4 ~ 158 °F) MOC : Aluminium Seals : NBR (Viton On Request) Working Pressure : Upto 8 BAR</p> <p>This 3/2 Namur is suitable for actuator model : 5412-S / ARA-49S / ARA-50S</p>		<p>"aira" 3/2 & 5/2 Way Convertible Poppet Type Single Namur Solenoid Valve</p> <p>Model : OTX - PPT - 32 / OTX - PPT - 52 Coil Voltage : All Std. Voltage Available Frequency : 50 - 60 Hz Connection Type : 1/4" (BSP / NPT) Conduit : PF 1/2" Coil Insulation Grade : Class "F" Temperature : -20 °C ~ 70 °C (-4 ~ 158 °F) MOC : Aluminium Seals : NBR (Viton On Request) Working Pressure : Upto 8 BAR</p>
	<p>"aira" 3/2 & 5/2 Way Convertible Poppet Type Double Namur Solenoid Valve</p> <p>Model : 2OTX - PPT - 52 Coil Voltage : All Std. Voltage Available Frequency : 50 - 60 Hz Connection Type : 1/4" (BSP / NPT) Conduit : PF 1/2" Coil Insulation Grade : Class "F" Temperature : -20 °C ~ 70 °C (-4 ~ 158 °F) MOC : Aluminium Seals : NBR (Viton On Request) Working Pressure : Upto 8 BAR</p>		<p>"aira" 3/2 & 5/2 Way Convertible Spool Type Single Namur Solenoid Valve</p> <p>Model : AMV-NAM-220 Coil Voltage : All Std. Voltage Available Frequency : 50 - 60 Hz Connection Type : 1/4" (BSP / NPT) Conduit : PF 1/2" Coil Insulation Grade : Class "F" Temperature : -20 °C ~ 70 °C (-4 ~ 158 °F) Body Material : Aluminium Seals : NBR (Viton On Request) Working Pressure : Upto 8 BAR</p>
	<p>"aira" 3/2 & 5/2 Way Convertible Spool Type Double Namur Solenoid Valve</p> <p>Model : 2AMV-NAM-220 Coil Voltage : All Std. Voltage Available Frequency : 50 - 60 Hz Connection Type : 1/4" (BSP / NPT) Conduit : PF 1/2" Coil Insulation Grade : Class "F" Temperature : -20 °C ~ 70 °C (-4 ~ 158 °F) Body Material : Aluminium Seals : NBR (Viton On Request) Working Pressure : Upto 8 BAR</p>		<p>AJ & CJ Series 3/2 Way Direct Acting Solenoid Valve (Normally Open & Closed)</p> <p>Model : AJDS / AJCS / CJDS / CJCS Size : 1/4" BSP Body : Aluminium Pressure Die Cast Orifice : 2 MM Pressure : 7 Kg/cm² / 10 Kg/cm² Temp. : Upto 50 °C Leakage : Bubble Tight Frequency : 50 ~ 60 Hz Coil Insulation Grade : Class "F" Media : Air (Filtered & Lubricated) Voltage : All Std. Voltage Available</p>
	<p>"aira" Filter + Regulator Air Combination</p> <p>Model : 4FQ / 8 FQ / FRJ Air Connection : 1/4" BSP Max. Supply Pressure : 4FQ : 0.5 to 4 Kg/cm² 8FQ : 0.5 to 8 Kg/cm² 1 to 9 Kg/cm² Gauge Connection : 1/8" Ambient Temperature : -20 °C ~ 120 °C (High Temp.) -40 °C ~ 120 °C (Low Temp.) Mini Filtering Size : 5 Micron Material : Aluminium Pressure Die Cast</p>		<p>"aira" Air Volume Booster</p> <p>Model : VLB Size : 1/4" to 1" BSP MOC : Aluminium / S. S. 304 / 316 Seals : NBR Max. Supply Pressure : Max. 1Mpa (10 Bar) Max. Output Pressure : Max. 0.7 Mpa (7 Bar) Temperature : -20 °C ~ 70 °C (Standard) -20 °C ~ 120 °C (High) -40 °C ~ 70 °C (Low) Linearity : 1 : 1 Hysteresis : 1%</p>
	<p>"aira" Single & Double Air Lock Valve</p> <p>Model : SALV / DALV Material : Aluminum / Stainless Steel 304 Max. Supply Pressure : Max. 10.2 Kg/cm² (142 PSI) Max. Single Pressure : Max. 7.1 Kg/cm² (1000 PSI) Setting Pressure Range : 1.4-7.1 Kg/cm² (20 ~ 100 PSI) Flow Capacity (Cv) : 0.9 In/Output Port Connection : 1/4" NPT Signal Port Connection : 1/4" NPT Differential Pressure : Below 0.1 Kg/cm² (1.4 PSI) Hysteresis : 1% ambient Temp. : -20 °C ~ 70 °C</p>		<p>"aira" Manual Override Clutch Type (MO)</p> <p>Model : AMO Torque : 200 Nm to 10000 Nm Body : Aluminium Pressure Die Cast / S. G. Iron Lever Wheel : Stainless Steel Hand Wheel : S. S. / M. S. (Fabricated)</p>



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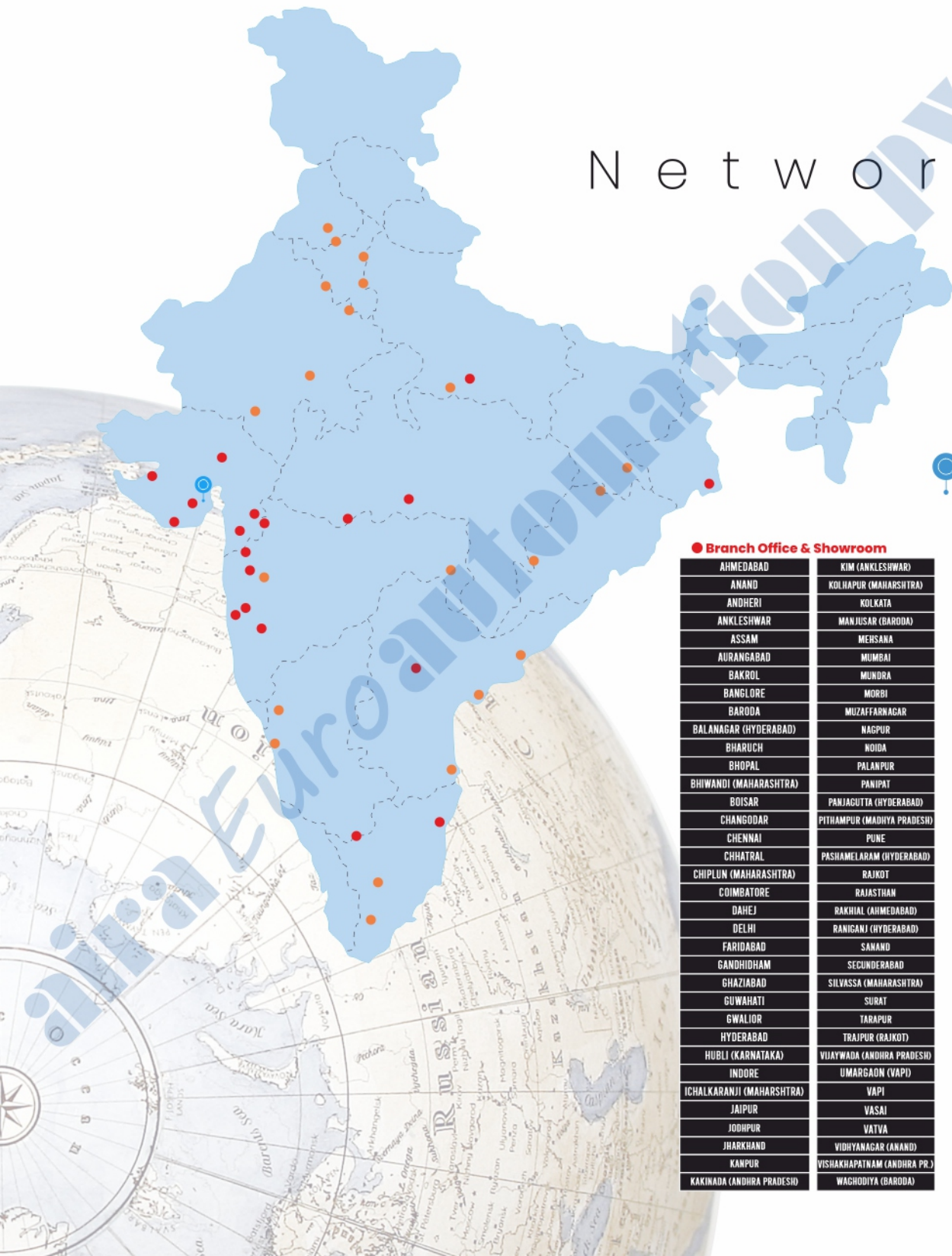
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