

Your Solution Partner In  
Industrial Valve Automation...



# PNEUMATIC LINEAR DIAPHRAGM ACTUATOR



## Features

- Linear pneumatic diaphragm actuators available for controlling application with provision for On site conversion from Direct Acting & Reverse Acting.
- Pneumatic cylinder and power cylinder available for robust application needed in gate valves.
- Hard anodised Aluminium body and stainless steel version also available.
- Wide variety of torque range
- Complete automation accessories manufactured by us such as limit switches, positioner, FR, etc.



Mfg. & Mkt by  
**aira Euroautomation pvt. Ltd.**

INDIA

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



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.

**QMS (Quality Management System)**

ISO 9001 : 2015

**EMS (Environment Management System)**

ISO 14001 : 2015

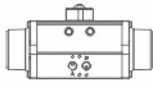
**OHSAS (Occupational Health & Safety Management System)**

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

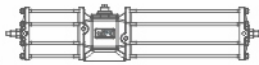
**Pneumatic Actuator**

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



**Scotch & Yoke Actuator**

CE / ATEX / SIL-3



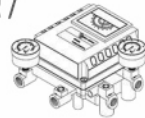
**Stainless Steel Actuator**

CE /  
IEP ATEX



**Positioner Enclosure**

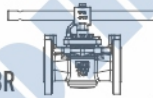
CE / CIMFR /  
IP67 / BIS  
/ PESO



**aira's**  
**SOME OF OUR**  
*Certificates*

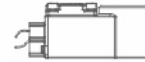
**Plug Valve**

FUGITIVE EMISSIONS  
TEST  
AS PER ISO  
15848-1 / IBR



**Flameproof Solenoid Valve**

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



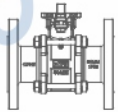
**Limit Switch**

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



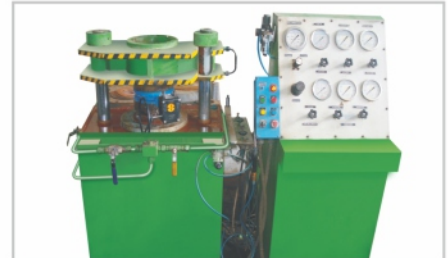
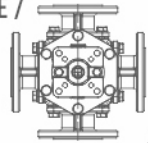
**Butterfly Valve (centric / Double & Triple Eccentric)**

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 :		

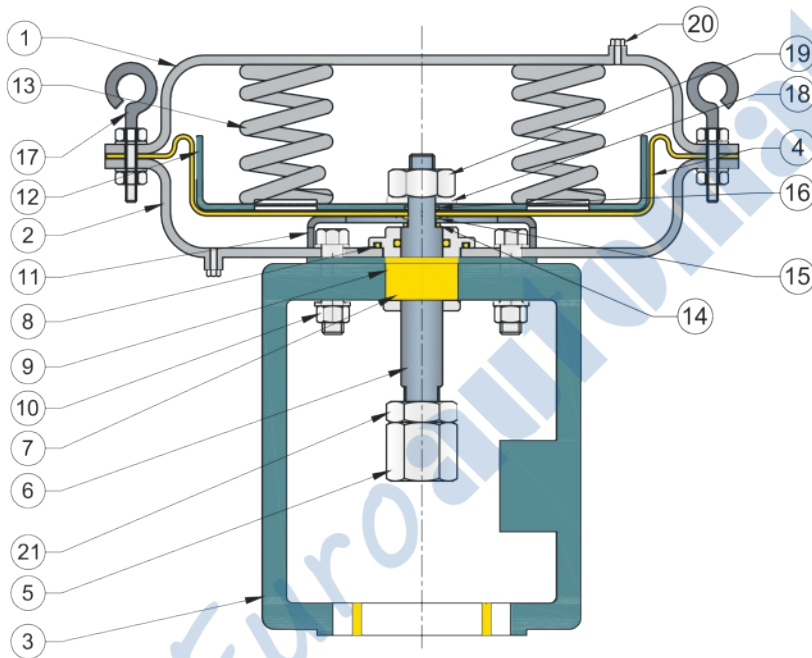


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## Technical Specification

- Inlet Air Supply : 2.5 to 4 Kg/cm<sup>2</sup>
- Stem Movement : Linear
- Actuator Action : Direct Acting / Reverse Acting
- Air Fail Position : Stem Extended / Stem Retracted

Type	Diaphragm Area (Cm <sup>2</sup> )	Spring	Maximum Stroke (mm)	Air Pressure (Bar)	Max Thrust (N)	Volume (Ltrs/ Stroke)
CND-01-NX	Direct	4 ~ 8	15 - 20	2.4 ~ 4	3000	0.4
	Reverse			0	500	
CND - 02	Direct	4 ~ 8	24 - 30	2.4 ~ 4	5200	1.77
	Reverse			0	920	
CND - 03	Direct	3 ~ 6	38 - 45	2.4 ~ 4	7800	4.18
	Reverse			0	720	
CND - 04	Direct	4 ~ 8	55 - 65	2.4 ~ 4	11000	8.93
	Reverse			0	3840	
CND - 06	Direct	3 ~ 6	100 - 120	2.4 ~ 4	15000	27.07
	Reverse			0	5000	

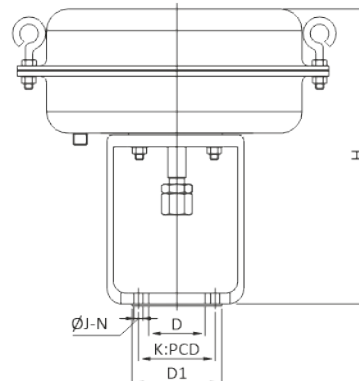


No.	Description	Material
1	Top Cover	M. S.
2	Bottom Cover	M. S.
3	Yoke	S. G. Iron
4	Diaphragm	Nitrile Rubber
5	Connecting Nut	S. S. 304
6	Stem	S. S. 304
7	Stem Seal	Viton
8	Seal For Bearing Bush	Viton
9	Bearing Bush	Aluminium
10	Bolt, Nut For Yoke	S. S. 202
11	Pressure Plate	M. S.
12	Spring Plate	M. S.
13	Spring	Spring Steel
14	'O' - Ring	Viton
15	'O' - Ring	Viton
16	'O' - Ring	Viton
17	Lifting Hook Nut, Washer	M. S.
18	Spring Washer	S. S. 202
19	Stem Lock Nut	S. S. 202
20	Silencer	Plastic
21	Check Nut	S. S. 304

### Dimensions :

Valve Model	D	D1	ØJ - N	K:PCD	H	Valve Size
CND-01-NX	60	100	9 - 4	80	280	DN15 - DN25
CND - 02	60	105	9 - 4	80	300	DN40 - DN65
CND - 03	80	135	12 - 4	105	330	DN80 - DN100
CND - 04	95	158	12 - 4	120	510	DN125 - DN150
CND - 06	100	197	14 - 8	140	620	DN200 - DN300


(All Dimensions are in mm)



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

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




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

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CIMFR  
CML-3812155  
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**Model :** AEP-1000-L  
AEP-1000-R

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



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

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



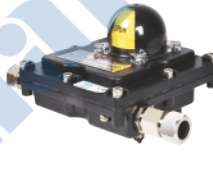
Stainless Steel



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

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CCEO Nagpur


**"aira" Flameproof Limit Switch Box**



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

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



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

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**"aira" Weatherproof Limit Switch Box**



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

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

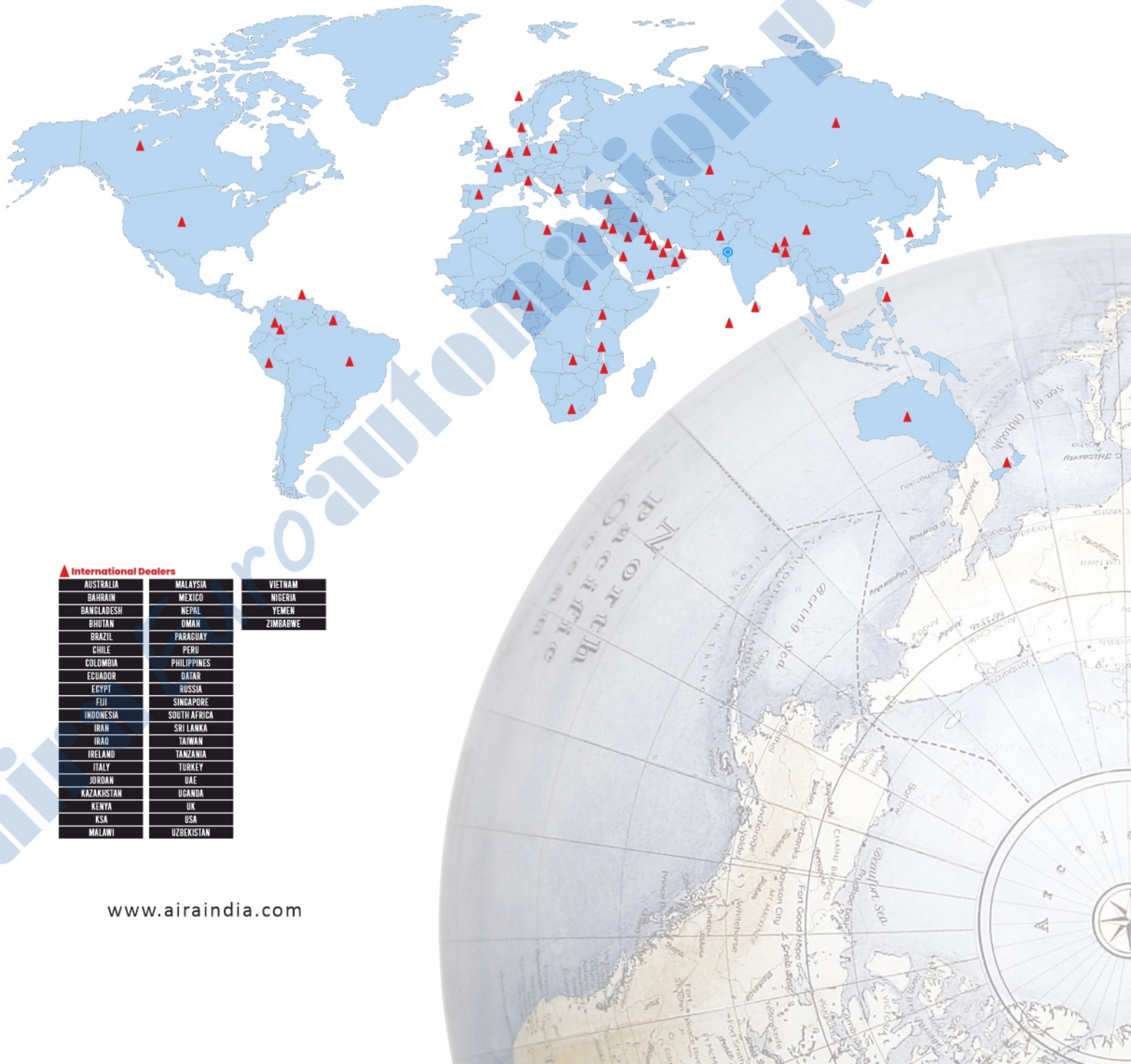




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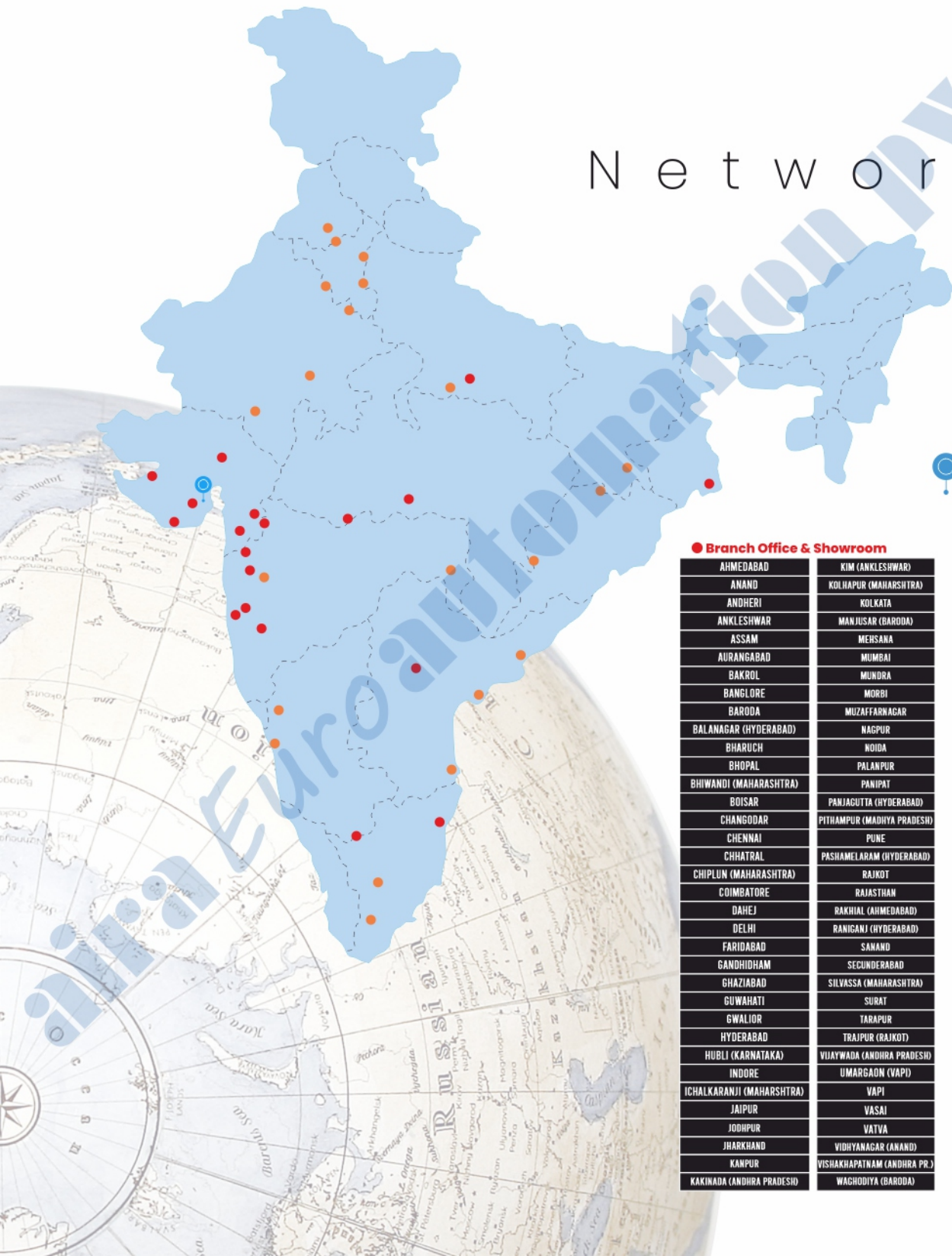
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