

Your Solution Partner In
Industrial Valve Automation...



Double Flange Fabricated Damper **BUTTERFLY VALVE**



Mfg. & Mkt by :

airaEuroautomation 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 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 and 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.

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

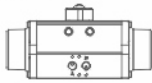
OHSAS (Occupational Health & Safety Management System)

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

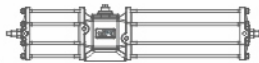
Pneumatic Actuator

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



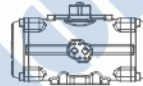
Scotch & Yoke Actuator

CE / ATEX / SIL-3



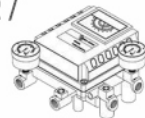
Stainless Steel Actuator

CE /
IEP ATEX



Positioner Enclosure

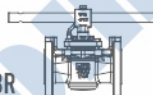
CE / CIMFR /
IP67 / BIS
/ PESO



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



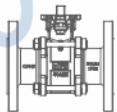
Limit Switch

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



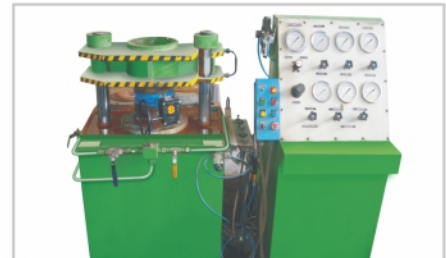
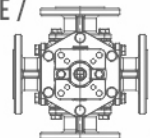
Butterfly Valve (centric / Double & Triple Eccentric)

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



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Company Profile



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Double Flange Fabricated Damper Valve

"aira" Offers Pneumatic Actuator Operated The butterfly or Double Flange damper can be a stack damper where sealing or tight shut-off is not all-important. This type is used as an isolating damper for flue-gas scrubbers. The butterfly damper is lightweight, simple, quickly actuated and often comparatively low in cost. In process work, oval shapes adapt to that shape of duct. Occasionally, a double-disc butterfly appears resembling a circular two - bladed louver damper.

The drive for a butterfly damper is also simple, needing only 90° of motion. The torque requirement can vary widely over damper life, if corrosion and thermal effects are severe.

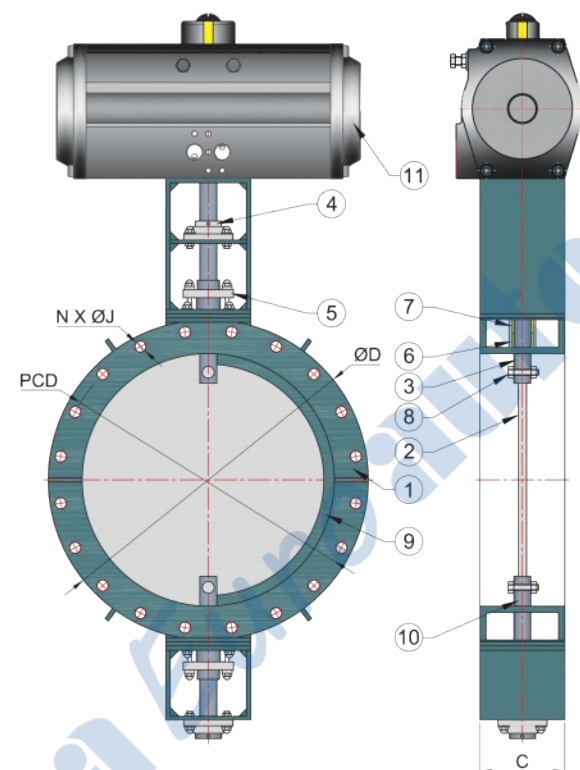
Size Range : 8" to 80" (200 MM to 2000 MM)

Butterfly Valve Specification

Valve Type	Centric Disc Damper Valve
Body Type	Double Flange
Seat Type	Metal to Metal
End Connection	PN 6, EN 1092 - 1 (ASME B 16.47 Series B)
Pressure Rating	5Kg/cm ²
Oper. Temp. Range	Upto 450 OC
Seat Leakage	5% Leakage Of Main Flow (Class - 1 Available On Request)

Accessories

- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - On Request)
- Pneumatic & Electro-Pneumatic valve positioner
- Decuttable Manual Over - Ride
- Limit Switches for On / Off Indication at Panel Board
- Filter + Regulator Combination with Pressure Gauge
- Air Lock Valve



Sr. No.	Description	Material
1	Body	IS 2062 Gr. B / AISI 304 (Fabricated)
2	Disc	IS 2062 Gr. B / AISI 304 (Fabricated)
3	Shaft	AISI 410
4	Bearing	Standard
5	Gland Pata	IS 2062 Gr. B / AISI 304
6	Bush	PTFE
7	Graphite Ring	Graphite
8	Hex Bolt	S.S. 304
9	Seat Ring	IS 2062 Gr. B / AISI 304
10	Bottom Shaft	AISI 410



Dimensions :

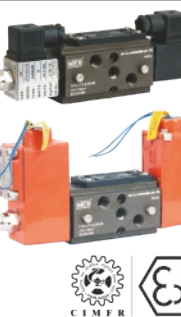
Valve Model	Size		C ±2MM	ØD ±5MM	ØJ	N	PCD ±0.5MM
	Inch	MM					
ATF-MS-G-200	8"	200	150	320	18	8	280
ATF-MS-G-250	10"	250	150	375	18	12	335
ATF-MS-G-300	12"	300	150	440	22	12	395
ATF-MS-G-350	14"	350	150	490	22	16	445
ATF-MS-G-400	16"	400	150	540	22	16	495
ATF-MS-G-450	18"	450	150	595	22	16	550
ATF-MS-G-500	20"	500	200	645	22	20	600
ATF-MS-G-600	24"	600	200	755	26	20	705
ATF-MS-G-650	26"	650	200	785	26	20	744
ATF-MS-G-700	28"	700	200	860	26	24	810
ATF-MS-G-750	30"	750	200	887	26	24	846
ATF-MS-G-800	32"	800	200	975	30	24	920
ATF-MS-G-850	34"	850	200	1005	30	24	957
ATF-MS-G-900	36"	900	250	1075	30	24	1020
ATF-MS-G-1000	40"	1000	250	1175	30	28	1120
ATF-MS-G-1200	48"	1200	250	1405	33	32	1340
ATF-MS-G-1400	56"	1400	300	1630	36	36	1560
ATF-MS-G-1600	64"	1600	300	1830	36	40	1760
ATF-MS-G-1800	72"	1800	300	2045	39	44	1970
ATF-MS-G-2000	80"	2000	300	2265	42	48	2180

(All Dimensions are in mm)

We can manufacture damper valve as per client's drawing & dimension.

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Model : APP-1200-L APP-1200-R     	"aira" Rotary / Liner Type Pneumatic - Pneumatic Valve Positioner Input Signal : 3 ~ 15psi (0.2-1.0 kgf/cm²) Supply Air Pressure : 100 psi Max. (7.0 kgf/cm²) 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/cm² 0-4 kg/cm² / 0-10 kg/cm² 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/cm²) Supply Flow Capacity : 80 LPM (1.4 kg/cm²) Supply Material : Aluminium Die cast Body Weight : 1.8 Kg. (Approx)	Model : AEP-1000-L AEP-1000-R     	"aira" Rotary / Liner Flameproof cum Weatherproof Electro Pneumatic Valve Positioner Input Signal : 4~20 mA DC Input Resistance : 235 ±15 Supply Air Pressure : 20 ~ 100psi (7.0 kg/cm²) 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/cm² 0-4 kg/cm² / 0-10 kg/cm² 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/cm²) Supply Flow Capacity : 80 LPM (1.4 kg/cm²) Supply Material : Alluminium Die Cast Body Weight : 2.8 Kg. With a terminal box
 	"aira" Weatherproof Micro Limit Switch Box Dom Indicator Type On/Off Indicator 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	    	"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 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
 	"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	  	"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

	“aira” 3/2 Way Namur Direct Acting Solenoid Valve 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 <i>This 3/2 Namur is suitable for actuator model : 5412-S / ARA-49S / ARA-50S</i>		“aira” 3/2 & 5/2 Way Convertible Poppet Type Single Namur Solenoid Valve 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
	“aira” 3/2 & 5/2 Way Convertible Poppet Type Double Namur Solenoid Valve Model : 20TX - 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		“aira” 3/2 & 5/2 Way Convertible Spool Type Single Namur Solenoid Valve 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
	“aira” 3/2 & 5/2 Way Convertible Spool Type Double Namur Solenoid Valve 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		“aira” AJ Series 3/2 Way Direct Acting Solenoid Valve (Normally Open & Closed) Model : AJDS-09-202 Size : 1/4" BSP Body : Aluminum 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
 (4FQ / 8FQ) (FRJ)	“aira” Filter + Regulator Air Combination 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		“aira” Air Volume Booster Model : VLB Size : 1/4" to 1" BSP MOC : Aluminum / 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%
 DALV SALV	“aira” Single & Double Air Lock Valve 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		“aira” Manual Override Clutch Type (MO) Model : AMO Torque : 200 Nm to 10000 Nm Body : Aluminum Pressure Die Cast / S. G. Iron Lever Wheel : Stainless Steel Hand Wheel : S. S. / M. S. (Fabricated)

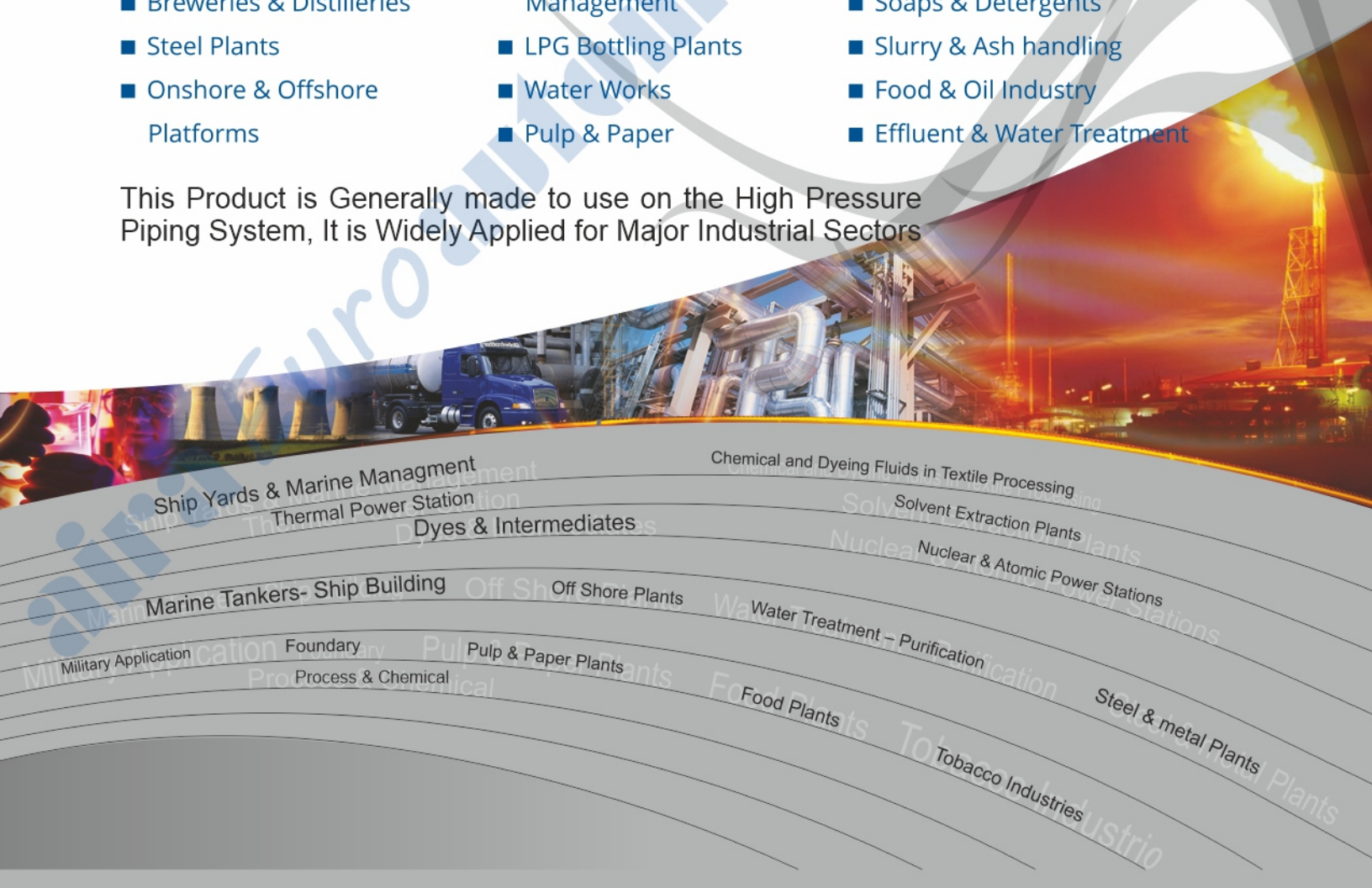
Installations

- Indian Oil
- Reliance Industries Limited
- ONGC
- Hindalco
- Godrej
- Indian Railway
- Vedanta
- Voltas
- NTPC
- Gujarat State Fertilizers & Chemical Ltd.
- L & T
- Gail
- Hindustan Petroleum
- BHEL
- IFFCO
- BARC
- Thermax
- Essar

Application

- Process & Chemical
- Refineries & Petrochemicals
- Drugs & Pharmaceuticals
- Thermal Power Stations
- Dyes & Intermediates
- Breweries & Distilleries
- Steel Plants
- Onshore & Offshore Platforms
- Steel Plants
- Solvent Extraction Plants
- Sewage
- Cooling Water
- Ship Yards & Marine Management
- LPG Bottling Plants
- Water Works
- Pulp & Paper
- Fertilizers
- Textiles
- Sugar
- Nuclear & Atomic Power Stations
- Paints & Varnishes
- Soaps & Detergents
- Slurry & Ash handling
- Food & Oil Industry
- Effluent & Water Treatment

This Product is Generally made to use on the High Pressure Piping System, It is Widely Applied for Major Industrial Sectors



Ship Yards & Marine Management
Thermal Power Station
Dyes & Intermediates

Marine Tankers- Ship Building
Off Shore Plants

Military Application

Foundary

Process & Chemical

Pulp & Paper Plants

Chemical and Dyeing Fluids in Textile Processing

Solvent Extraction Plants

Nuclear & Atomic Power Stations

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Food Plants

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Steel & metal Plants



*time tested designs with
superior performance*

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