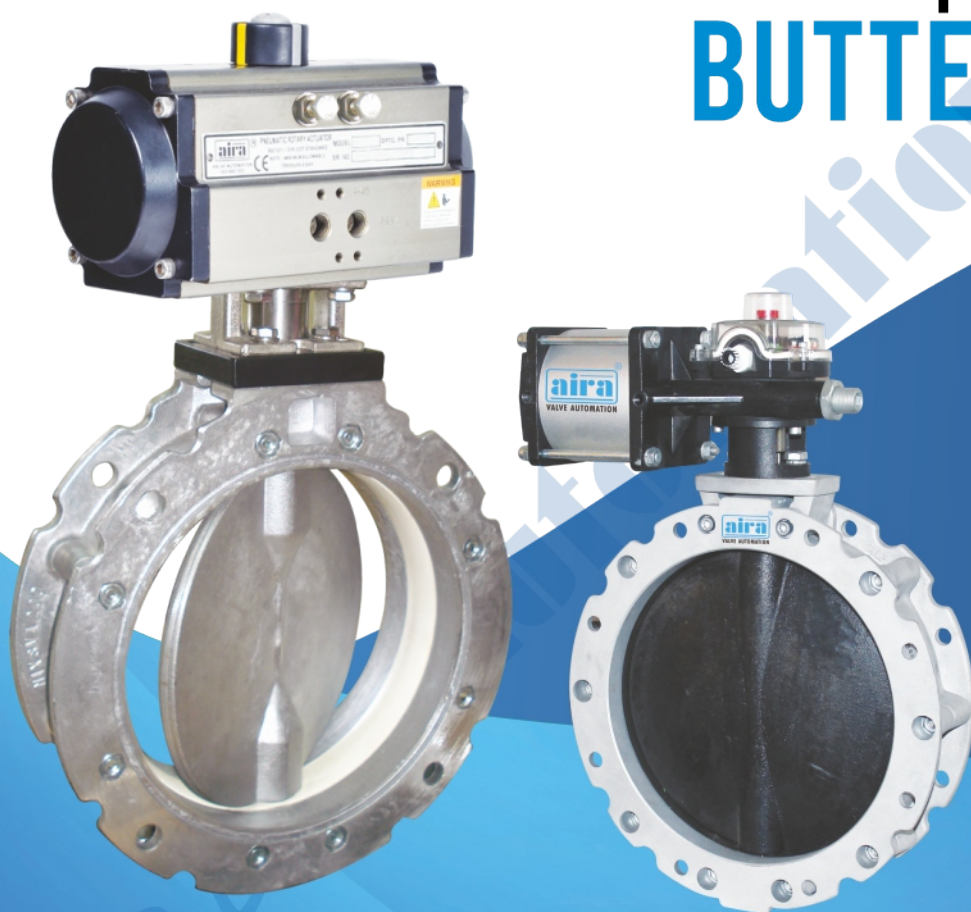


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Industrial Valve Automation...



Cement Application **BUTTERFLY VALVE**



Mfg. & Mkt by :

airaEuroautomation pvt. ltd.
INDIA

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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

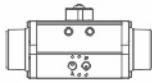
OHSAS (Occupational Health & Safety Management System)

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

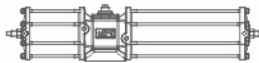
Pneumatic Actuator

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



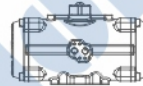
Scotch & Yoke Actuator

CE / ATEX / SIL-3



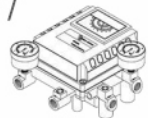
Stainless Steel Actuator

CE /
IEP ATEX



Positioner Enclosure

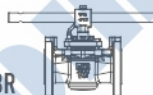
CE / CIMFR /
IP67 / BIS
/ PESO



aira's
SOME OF OUR
Certificates

Plug Valve

FUGITIVE EMISSIONS
TEST
AS PER ISO
15848-1 / IBR



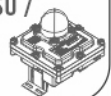
Flameproof Solenoid Valve

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



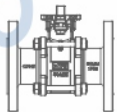
Limit Switch

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



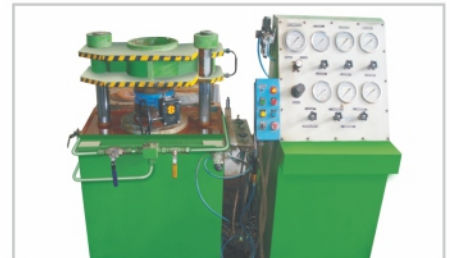
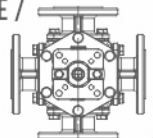
Butterfly Valve (centric / Double & Triple Eccentric)

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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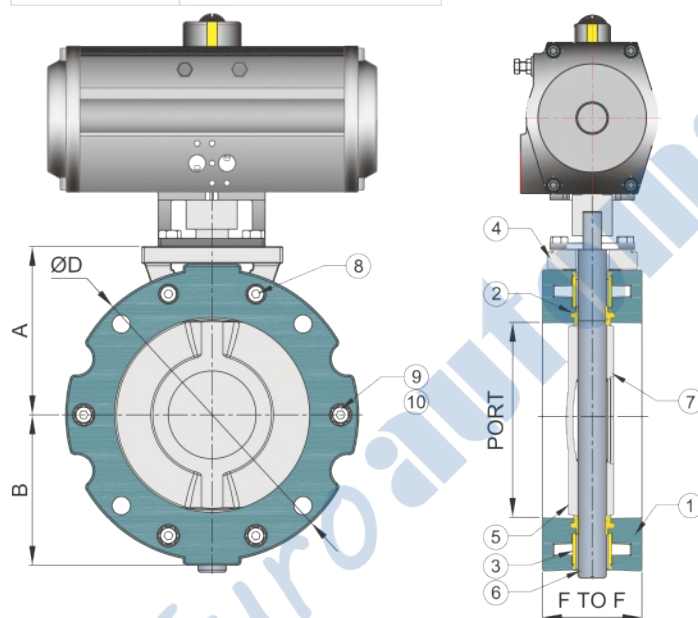
Cement Application Butterfly Valve



"aira" Offers Butterfly Valve CMT Series are designed to regulating the flow of product and are widely use in all type of BULK SOLIDS PROCESSING PLANTS where intereeption of gravity - fed or pneumatically conveyed DRY POWDER or GRANULES is required. The CMT series of butterfly valves are currently used in a wide range of industry such as Food, Chemical, Pharmaceutical, Cosmetic, Building / Construction, Laboratory, Animal Feed. CMT series butterfly valve are commonly installed / fitted beneath hoppers, Silos, Storage Tanks, Bins, Screw Conveyors, Weighing Systems, Liquid tanks and for material interception in the line of mechanical or pneumatic transport etc....

Size Range : 4" to 16" (100 MM to 400 MM)

Pressure / Temperature Rating	
Working Pressure	0.2 to 5 Kg/cm ²
Operating Temperature	80 °C



Dimensions :

Valve Model	Valve Size		F to F	ØD	Only Valve Weight Approx.
	MM	Inch			
CMT-DT-100	100	4"	218	220	4.000
CMT-DT-150	150	6"	77	228	5.000
CMT-DT-200	200	8"	77	278	6.500
CMT-DT-250	250	10"	77	328	7.500
CMT-DT-300	300	12"	77	378	9.000
CMT-DT-350	350	14"	85	440	16.000
CMT-DT-400	400	16"	85	530	20.500

(All Dimensions are in mm)



**Pneumatic Actuator
Operated Butterfly Valve**

**Model : CMT - WT
CMT - DT**

**Pneumatic Piston Type
Actuator
Operated Butterfly Valve**

**Model : CMT - PDP
CMT - PPK**

**A) Double Flange
B) One Side Flange & Other Side Collar Type**

Accessories

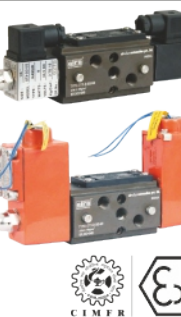
- On / OFF Indicator
- NAMUR Standard Solenoid Valve in all Standard Coil Voltage (Flame Proof Solenoid Coil - On Request)
- Pneumatic & Electro-Pneumatic valve positioner
- Decutchable Manual Over - Ride
- Limit Switches for On / Off Indication at Panel Boardn Filter + Regulator Combination with Pressure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

Sr. No.	Description	Material
1	Body	Aluminum (Gravity / Die Cast)
2	Muffler	EPDM
3	Shaft Nut	Nylon - 66
4	Bracket	Aluminum (Gravity / Die Cast)
5	Disc	S. G. Iron
6	Disc Shaft	M. S.
7	Disc Plate	S. S.
8	Bracket Fitting L. N. Bolt	S. S. 304
9	Fitting L. N. Bolt	S. S. 304
10	Fitting Nut	S. S. 304

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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)

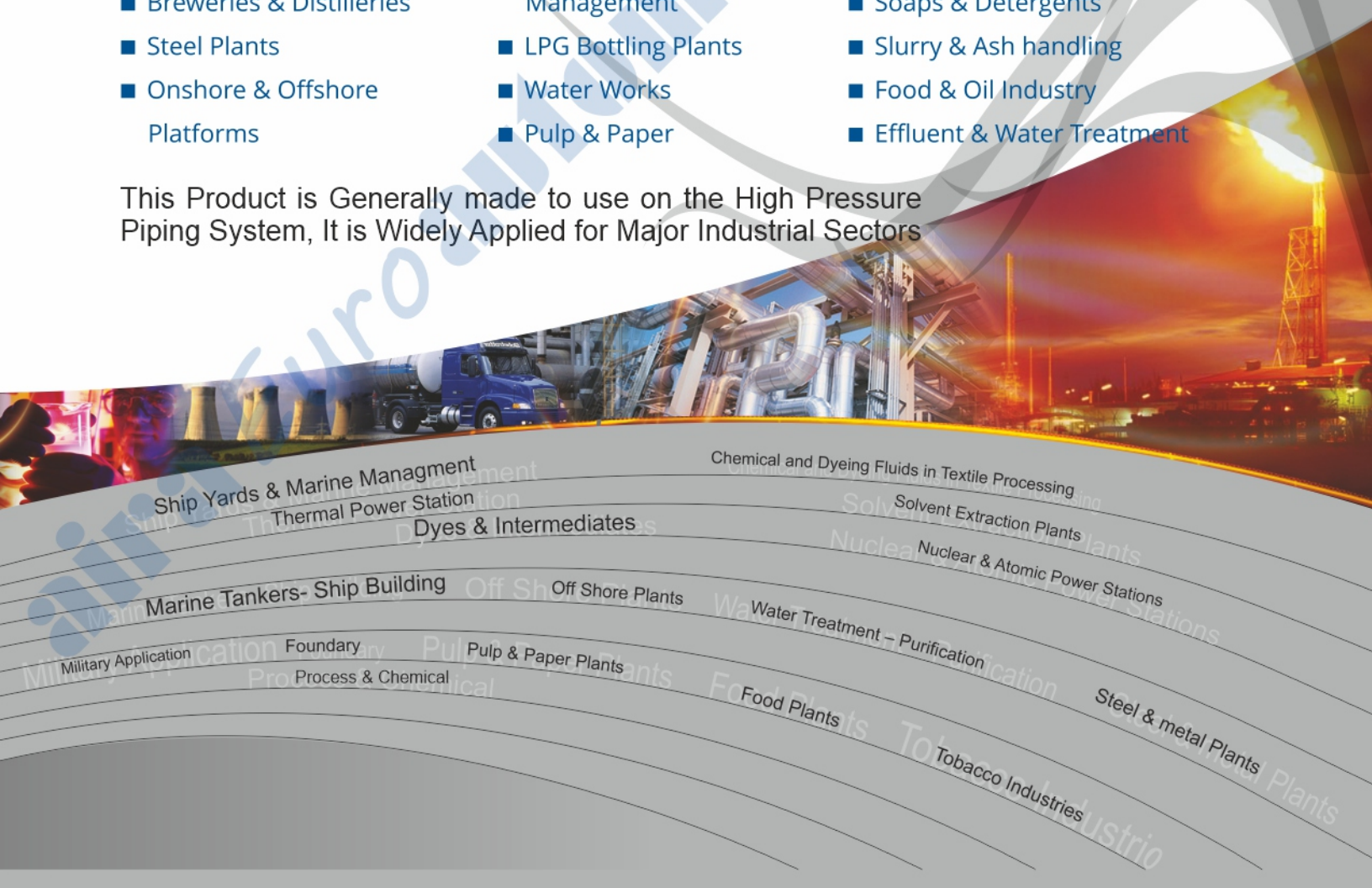
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- Gujarat State Fertilizers & Chemical Ltd.
- L & T
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- BARC
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- Dyes & Intermediates
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- Onshore & Offshore Platforms
- Steel Plants
- Solvent Extraction Plants
- Sewage
- Cooling Water
- Ship Yards & Marine Management
- LPG Bottling Plants
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