

Your Solution Partner in
Industrial Valve
Automation...



Solenoid Valve



2/2 & 3/2 Way Solenoid Valve

- High Pressure & High Temperature
- Screwed / Flanged / T. C. End
- Voltage : 12V, 24V, 48V, 110V, 230V, AC/DC
- Coil Type : General / IP 65 & 67 / IS / IEC 60529
- Flame Proof / Weather Proof / Terminal Junction Box
- Intrinsically Safe Coil



Mfg. & Mkt by :

airaEuroautomation pvt. ltd.
INDIA



IBR

CE



Ex



ISI

ISI

ISI

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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

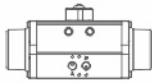
OHSAS (Occupational Health & Safety Management System)

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

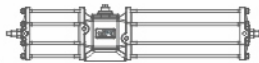
Pneumatic Actuator

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



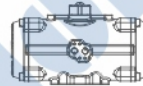
Scotch & Yoke Actuator

CE / ATEX / SIL-3



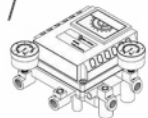
Stainless Steel Actuator

CE /
IEP ATEX



Positioner Enclosure

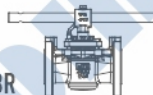
CE / CIMFR /
IP67 / BIS
/ PESO



aira's
SOME OF OUR
Certificates

Plug Valve

FUGITIVE EMISSIONS
TEST
AS PER ISO
15848-1 / IBR



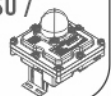
Flameproof Solenoid Valve

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



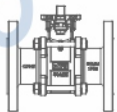
Limit Switch

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



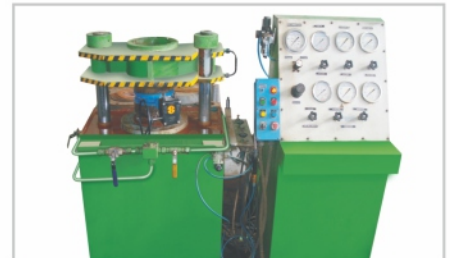
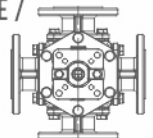
Butterfly Valve (centric / Double & Triple Eccentric)

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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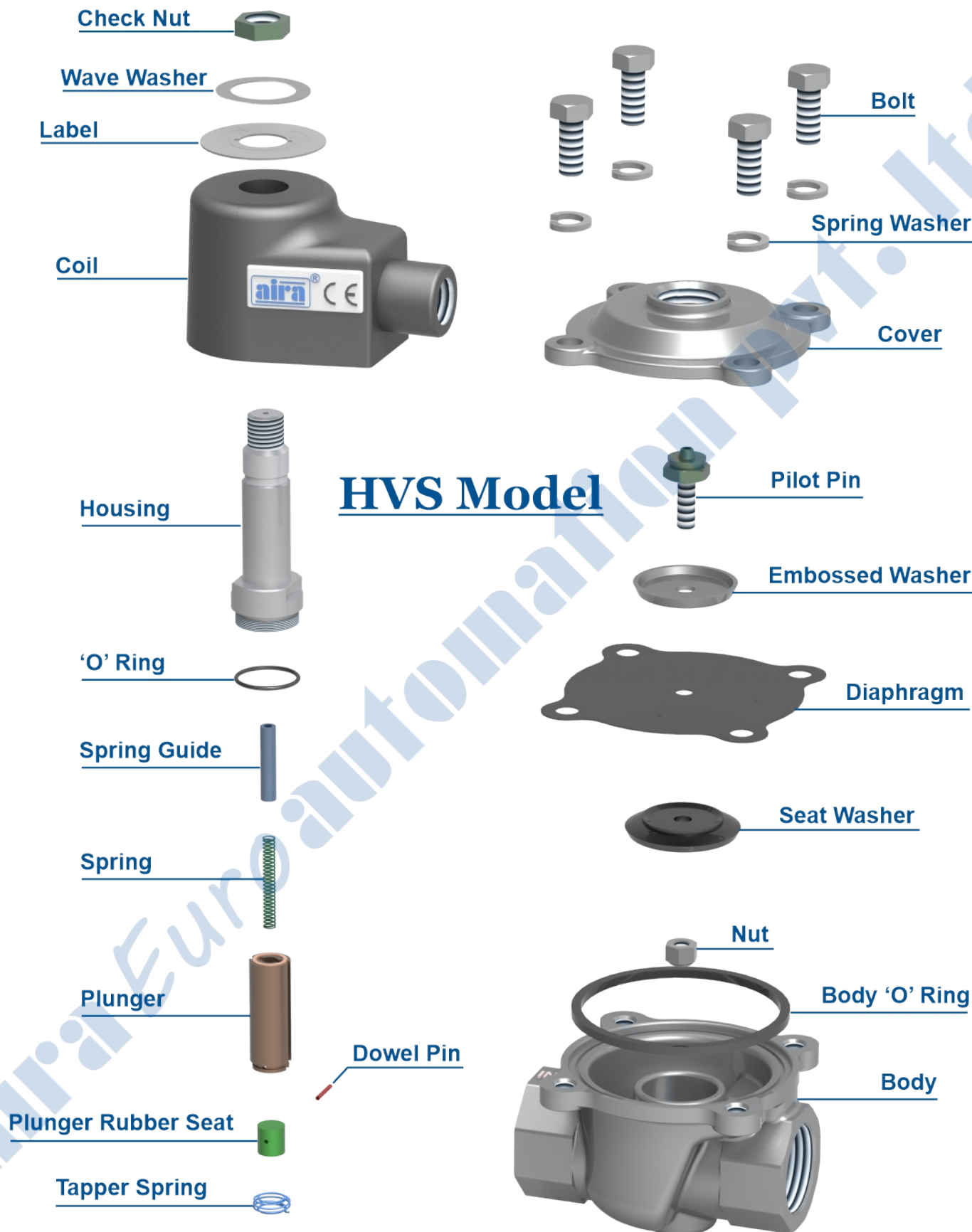
Company Profile



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2/2 Way Semi Lift Diaphragm Operated Low Pressure Solenoid Valve



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2/2 Way Semi Lift Diaphragm Operated Low Pressure Solenoid Valve



Model : HVS

"aira" Offers HIGH FLOW piston type solenoid valves, are specially engineered in the construction of Investment Cast CF8 / CF8M / CF3M body for multiple and long lasting operations, especially in STEAM & HIGH Temperature FLUIDS. Valves for the inflammable media / environment / Flameproof / Explosion Proof solenoid coil are available in such application.

Size Range : 1/4" to 4" Screwed / Flanged / Triclover End

Valves Specification	
Pressure	15 PSI to 180 PSI
Temperature	Upto 180 OC
Coil Voltage	12V, 24V, 48V, 110V, 230V, AC/DC
Coil Insulation	"H" Class Suitable Upto 180 OC
Coil Encloser	IP 67 (Flame Proof / Explosion Proof as Per IS / Meets
	IEC 60079-1 STD for Gas Group II C Zone 1 & 2
Coil Rating	Continuous Rated
Ends	S/E, F/E 150# / TC End
Media	Hot Water / Steam / High Temperature Fluids

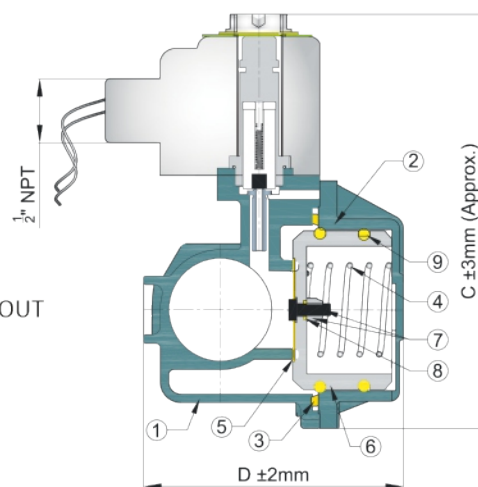
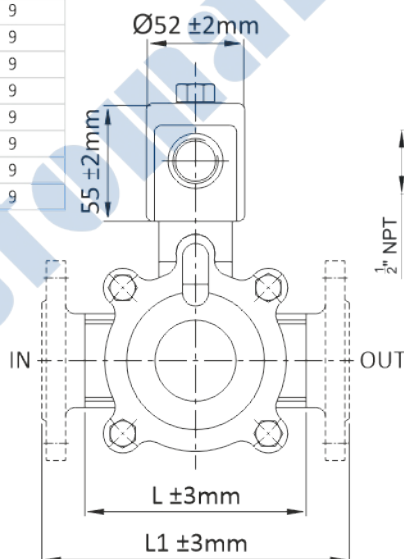
Caution

- Suitable for Dry Steam
- Hot water temperature limited up to 180 OC only
- Avoid Back Pressure
- INSTALLATION OF "FILTER" IN INLET SIDE IS HIGHLY RECOMMENDED

Technical Specification Table

Valve Size		Orifice MM	Flow Factor Kv/m ³ /hr	Min. Pressure Bar	Maximum Operating Pressure (Bar)	
MM	Inch				Hot Water	Steam
06	1/4"	17	2.8	1	9	9
10	3/8"	17	3.4	1	9	9
15	1/2"	17	4	1	9	9
20	3/4"	20	7	1	9	9
25	1"	25.5	12	1	9	9
32	1.1/4"	38	15	1	9	9
40	1.1/2"	38	23	1	9	9
50	2"	47.5	38	1	9	9

Sr. No.	Description	Description
1	Body	CF8 / CF8M / CF3M
2	Cover	CF8 / CF8M / CF3M
3	Body Ring	PTFE
4	Spring	S.S. 304
5	Piston Washer	PTFE
6	Piston	CF8 / CF8M / CF3M
7	Piston Bolt + Nut	S.S.304
8	O-Ring	Viton
9	Piston Ring	C.F.T.



Solenoid Coil



Weatherproof Coil

Solenoid Coil



Explosion & Flame Proof Coil [As per IS / IEC 60079-1 standard approved by Central Institute of Mining and Fuel Research (CIMFR)]

Dimensions :

Valve Model	Valve Size		L S / E	L1 F / E	C Approx.	D	Weight Approx.	
	MM	Inch					S / E	F / E
HVS - 6	6	1/4"	65.50	130	139.50	69	1.250	1.650
HVS - 10	10	3/8"	65.50	130	139.50	69	1.250	1.650
HVS - 15	15	1/2"	65.50	130	139.50	69	1.250	1.650
HVS - 20	20	3/4"	80	150	148	80	1.600	2.100
HVS - 25	25	1"	95	160	163	96	2.050	2.800
HVS - 32	32	1.1/4"	119	180	176	114	2.900	4.200
HVS - 40	40	1.1/2"	119	200	176	114	2.900	4.200
HVS - 50	50	2"	137	230	195	132	4.050	6.150

Note : Flange Dimensions as per 150#.

(All Dimensions are in mm)

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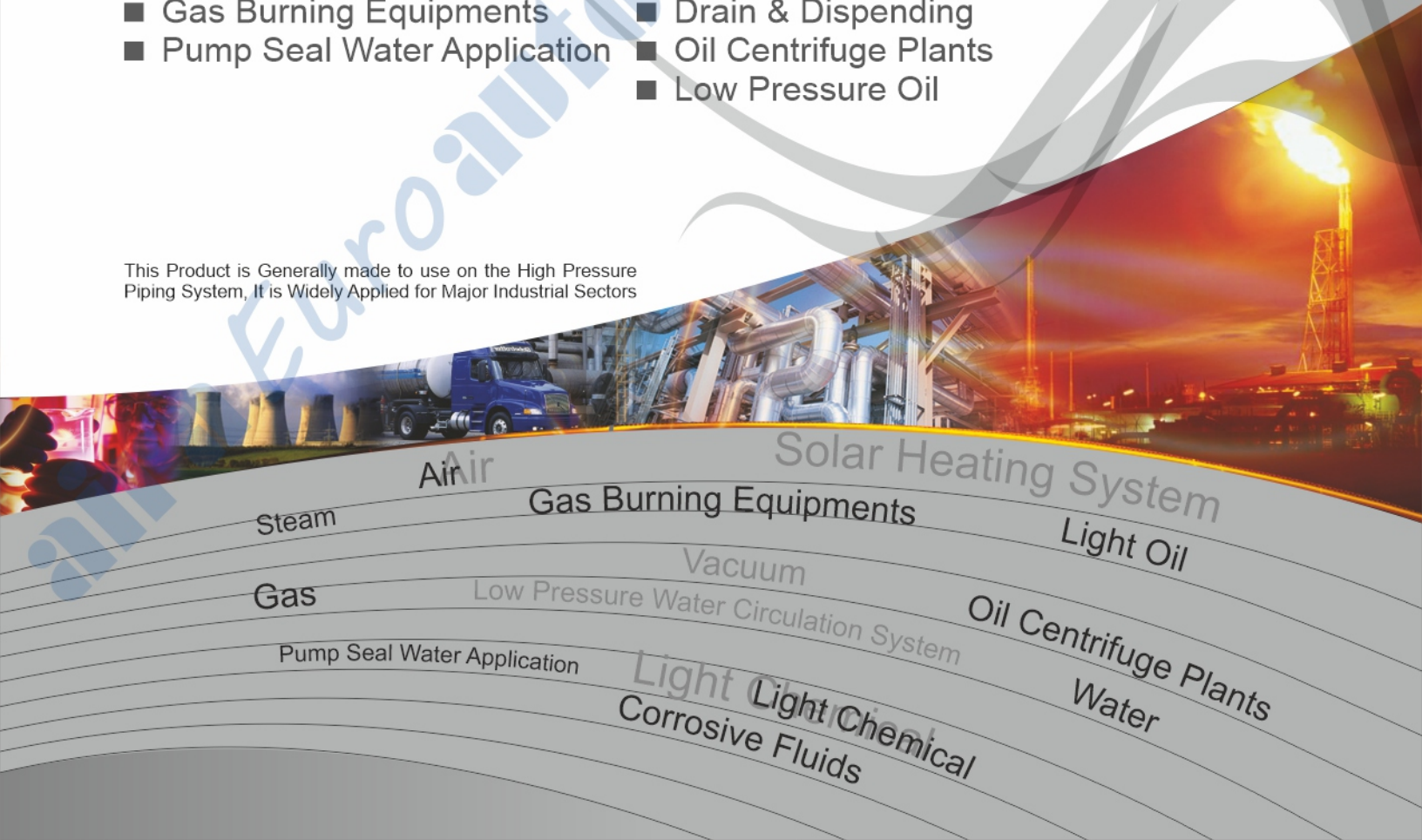
Installations

- 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

Applications

- Air
- Water
- Gas
- Light Oil
- Light Chemical
- High Volume & Low Pressure Application
- Vacuum
- Corrosive Fluids
- Autoclaves
- Gas Burning Equipments
- Pump Seal Water Application
- Low Pressure Water Circulation System
- Solar Heating System
- Gas Generator
- Hot Water
- Steam
- High Temperature Fluids
- LD Oil
- Chemical
- Dust Collector Application
- Ceramic Filters
- Drain & Dispensing
- Oil Centrifuge Plants
- Low Pressure Oil

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



Air
Steam
Gas
Pump Seal Water Application
Solar Heating System
Gas Burning Equipments
Vacuum
Low Pressure Water Circulation System
Light Oil
Oil Centrifuge Plants
Water
Light Chemical
Corrosive Fluids



*time tested designs with
superior performance*

GLOBAL

Network



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industrial valve automation

Network

Head Office & Works
AHMEDABAD

● Branch Office & Showroom

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BHARUCH	NOIDA
BHOPAL	PALANPUR
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CHHATRAL	PASHAMELARAM (HYDERABAD)
CHIPLUN (MAHARASHTRA)	RAJKOT
COIMBATORE	RAJASTHAN
DAHEJ	RAKHIAL (AHMEDABAD)
DELHI	RANICANJ (HYDERABAD)
FARIDABAD	SANAND
GANDHIDHAM	SECUNDERABAD
GHAZIABAD	SILVASSA (MAHARASHTRA)
GUWAHATI	SURAT
GWALIOR	TARAPUR
HYDERABAD	TRAJAPUR (RAJKOT)
HUBLI (KARNATAKA)	VIJAYWADA (ANDHRA PRADESH)
INDORE	UMARGAON (VAPI)
ICHALKARANJ (MAHARASHTRA)	VAPI
JAIPUR	VASAI
JODHPUR	VATVA
JHARKHAND	VIDHYANAGAR (ANAND)
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ERODE	PUNE
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Mfg. & Mkt by :

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INDIA

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