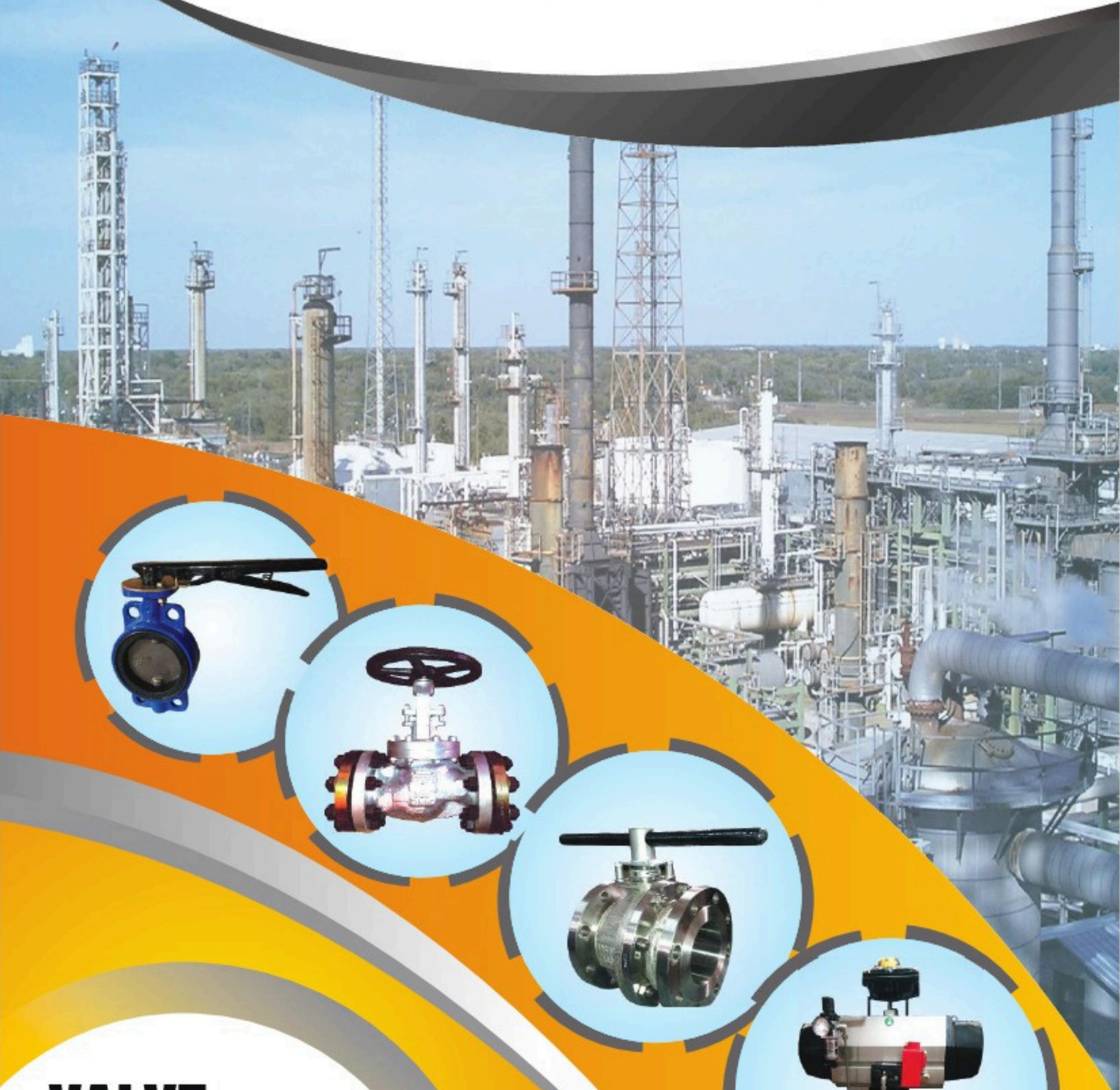




VALVE FLOW ENGINEERS



**VALVE
AUTOMATION
SOLUTIONS**

INTRODUCTION

VALVE FLOW ENGINEERS

We at VFE, offer products for different application and services, with effective solutions to meet the challenges of modern technology in manual and automation.

We started our Organisation activities to serve the industry in 2013, from Hubballi (Karnataka, India) with manual valves like Ball and Butterfly Valve. Later on we added other products like Gate, Globe, Check, Diaphragm, Knife Gate, NRV's, Automated Valves, Gear Operators, Control Valves, Steam Engineering products etc.

With commitment to time and delivery we are growing as one of the best valve and automation solution provider for different applications and services.

AUTOMATION

In modern manufacturing process automation plays a vital role. It reduces the cost of production as well as time with 100% accuracy.

We provide automation packages like valves with Pneumatic / Electric actuators along with accessories like Solenoid Valves, Limit Switches, Air Filter Regulators etc.

Valves such as Ball, Butterfly, Gate, Globe, Diaphragm etc are usually used for automation.



BALL VALVES

Ball valves are used for quick opening /closing operation and can replace other type of valves like Gate, Globe, Butterfly and Plug Valves to certain extents. These are easy to manufacture, cost effective and used for all the applications.

1 Piece / 2 Piece and 3 Piece designed, Reduced / Full Bore Valves are Manufactured.

Size Range : - 15 mm to 50 mm - 150#, 300#, 600#, 800#, 1500#, 2500#
- 15 mm to 250 mm - 150#, 300#, 600#



BUTTERFLY VALVES

Butterfly valves are used for quick opening /closing operation and used for utility services like water, slurry and chemical application.

Centric and Offset Design options are available.

Size Range : - 40 mm to 600 mm - 150#, 300#, PN 10, PN 16



GATE, GLOBE, CHECK VALVES

These are used in almost all applications and used in various services, from utilities to higher temperature and pressure. And also used in hazardous chemical, petrochemicals, fertilizer and cross country pipelines etc.

Size Range : - 15 mm to 50 mm - 150#, 300#, 600#, 800#, 1500#, 2500#
- 15 mm to 600 mm - 150#, 300#, 600#



NON RETURN VALVES

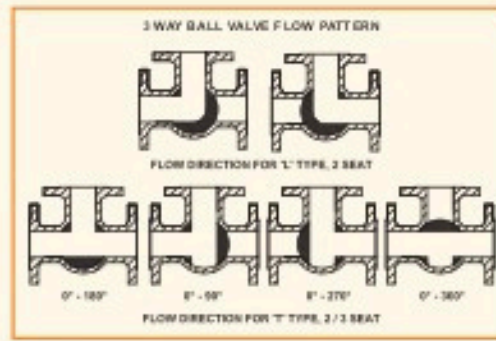
These are valves used in unidirectional flow, where return flow is restricted. These are available in different designs like, Flanged, Wafer Ends, Socket Weld, Butt Weld Ends.

Size Range : - 15 mm to 600 mm - 150#, 300#, PN 10, PN 16



SPECIAL VALVES

Metal Seated, 3 Way, Jacketed, Extended Stem Ball Valve. High Performance Butterfly PTFE Seated Valves, Piston Valve, Bellow Seal Globe Valve, Knife gates, Steam Engineering Valves.



DIAPHRAGM VALVES

Diaphragm Valves are basically used in water, waste water treatment, Effluent treatment plants, Petrochemical, Thermal Power & Process Industries Basically the body MOC is Cast iron Lined with Ebonite and other materials like natural, butyl, EPDM etc, and Unlined, with different types of Diaphragms like EPDM, PTFE, SILICON etc depending on the application.

Size Range : - 15 mm to 50 mm - PN 16, 65 mm to 150 mm - PN 10, 200 mm to 350 mm - PN 6



CAST IRON VALVES

These Valves are used in utility services like water lines , Fire fighting lines etc Sluice Gate, Gate , Globe, Check type of Valves are available.

Size Range : - 50 mm to 500 mm - PN 10, PN 16



QUARTER TURN GEAR OPERATORS

These are used to ease where there is High operating Torque to operate the Valves and incase of Air or Electric failure.



AUTOMATED VALVES



BALL VALVE



BUTTERFLY VALVE



DIAPHRAGM VALVES

MANUFACTURING STANDARDS

Ball Valves	: Design - BS EN 17292, Testing - BS EN 12266 Part 1
Butterfly Valves	: Design - BS 5155 , API609 , EN593, AWWA C504, Testing - BS 12266-1, API598
Gate Valves	: Design - API 600 / API 602, Testing - API598
Globe Valves	: Design - BS1873/BS5352, Testing - BS6755-1
Check Valves	: Design - BS1866/BS5352, Testing - BS6755-1
Diaphragm Valves	: Design - BS EN 13397, Testing - BS6755-1

MATERIAL OF CONSTRUCTION

BODY :

ASTM A 216 Gr WCB, ASTM A 352 Gr LCB
ASTM A 216 Gr WC6, WC9 etc
ASTM A 351 Gr CF8 / CF8M / CF3 / CF3M
ASTM A 105, ASTM A 182 Gr F11, F22, F304, F316
ASTM A 350 Gr LF2

END CONNECTIONS

Socket Weld, Butt Weld, Flanged,
Wafer, Wafer Lugged

BALL / WEDGE / DISC :

ASTM A 216 Gr WCB, ASTM A 352 Gr
ASTM A 216 Gr WC6, WC9 etc
ASTM A 351 Gr CF8 / CF8M / CF3 / CF3M

TRIMS :

13% Cr. Steel, ASTM A 276 Gr SS 304 / 316 / 304 L / 316 L
Hard Facing : TR5, TR8
Higher Material Available on Request

OUR ESTEEMED CUSTOMERS

SHILPA MEDICARE, RAICHEM MEDICARE, API MICROLABS, ORCHID CHEMICALS, MYLAN PHARMA, GRASIM INDUSTRIES LTD., SIMON INDIA, EPSILON CARBON, JSW STEELS LTD., SEQUOIA ENERGY, DRYTECH ENGINEERS, GUJARAT AMBUJA, ADHITANA ENGINEERING, SHIVASHAKTI SUGARS etc.



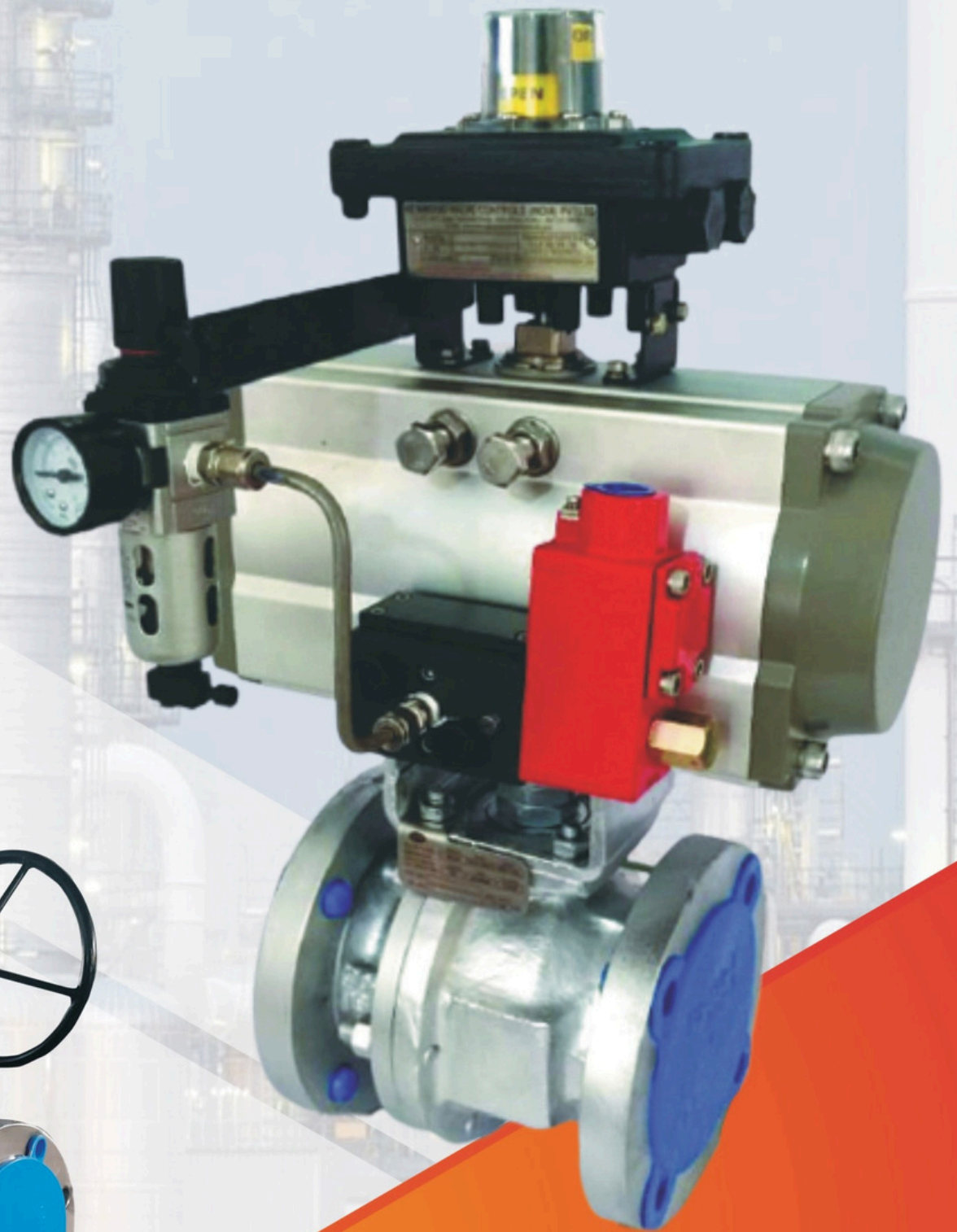
VALVE FLOW ENGINEERS

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Dealers / Stockist :



Valve | Automation | Solution



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ABOUT US

We at VFE, offer products for different application and services, with effective solutions to meet the challenges faced by manufacturing divisions using modern technology in manual and automation.

We started the Organisation activities to serve the industry in 2013, from Hubballi, Karnataka, India with manual Ball and Butterfly Valves. Later on other products were included viz., Gate, Globe, Check, Diaphragm, Knife Gate, Automated Valves, Gear Operators & Steam Engineering products etc.

With commitment to quality & timely delivery, we are growing as one of the best valve and automation solution provider for different applications and services.

BALL VALVE

Ball valves are used for quick opening /closing operation and can replace other type of valves like Gate, Globe, Butterfly and Plug Valves. These are cost effective and can be used for all applications.

1 Piece / 2 Piece / 3 Piece design, Reduced / Full Bore Valves are Manufactured.

Size Range : - 15 mm to 50 mm - 150#, 300#, 600#, 800#, 1500#, 2500#
- 15 mm to 250 mm - 150#, 300#, 600#

AUTOMATION

In modern manufacturing process, automation plays a vital role. It reduces the cost of production as well as production time with 100% accuracy & repeatability.

We provide automation packages like valves with Pneumatic / Electric actuators along with accessories like Solenoid Valves, Limit Switches, Air Filter Regulator, Partial stroke control device Shutdown Application etc.

STANDARDS

Design - BS EN 17292

Testing - BS EN 12266 Part 1, ANSI FCI 70.1

MATERIAL OF CONSTRUCTION

BODY

ASTM A 216 Gr WCB
ASTM A 351 Gr CF8 / CF8M / CF3 / CF3M
Hastalloy B / C, Inconel

BALL

ASTM A 216 Gr WCB
ASTM A 351 Gr CF8 / CF8M / CF3 / CF3M
Hastalloy B / C, Inconel

SEAT

PTFE, RPTFE, Nylon, Delrin, PEEK, Metal Seat

TRIMS

13% Cr. Steel, ASTM A 276 Gr SS 304 / 316 / 304L / 316L

END CONNECTIONS

Screwed End to NPT / BSP, SWE, BWE, Flanged

OUR ESTEEMED CUSTOMERS

Shilpa Medicare, Raichem Medicare, API Microlabs, Orchid Chemicals, Mylan Pharma, Grasim Industries Ltd., Epsilon Carbon, JSW Steels Ltd., Sequoia Energy, Pleiad Designs, Drytech Engineers, Gujarat Ambuja, ITC-Bhadrachalam, Paragon Water Technologies, Shivashakti Sugars, Satish Sugars, Hermes Distilleries, Nirani Sugars, EID Parry Etc.



Dealer



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With commitment to time and delivery we are growing as one of the best valve and automation solution provider for different applications and services.

Butterfly valves are used for quick opening /closing operation and used for utility services like water, slurry and chemical application.

VFE make Butterfly Valves are Known for Quality, Reliability & Longevity. They are Manufactured using high quality materials complying to ASME & BS EN Standards.

Size Range : 40 mm to 600 mm - PN 6, PN 10, PN 16 Ratings

AUTOMATION

In modern manufacturing process automation plays a vital role. It reduces the cost of production as well as time with 100% accuracy.

We provide automation packages like valves with Pneumatic / Electric actuators along with accessories like Solenoid Valves, Limit Switches, Air Filter Regulators etc.

Valves such as Ball, Butterfly, Gate, Globe, Diaphragm etc are usually used for automation.

STANDARDS

Design - BS EN 593, AWWA C504

Testing - BS EN 12266-1, API598

MATERIAL OF CONSTRUCTION

BODY

ASTM A 126 Gr. CI, ASTM A 216 Gr WCB

ASTM A 351 Gr CF8 / CF8M

END CONNECTIONS

Wafer, Wafer Lugged, Flanged

DISC

ASTM A 216 Gr WCB

ASTM A 351 Gr CF8 / CF8M / CF3 / CF3M

TRIMS

13% Cr. Steel, ASTM A 276 Gr SS 304 / 316

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