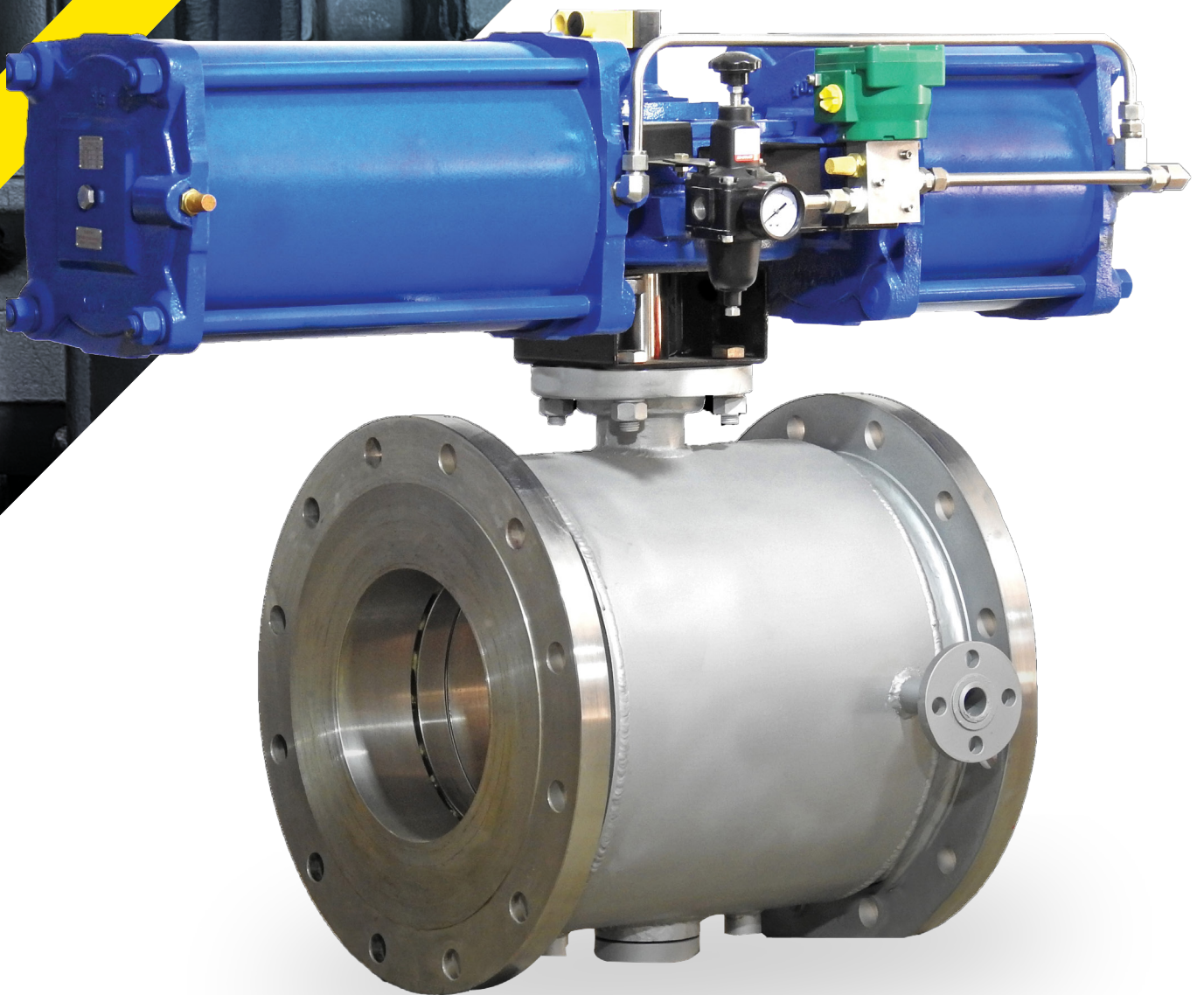


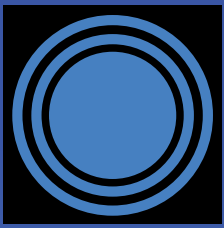
SATURN[®]
VALVES



ENGINEERING REDEFINED

Mevada Engineering Works Pvt. Ltd.

PRODUCT CATALOGUE



SATURN
VALVES

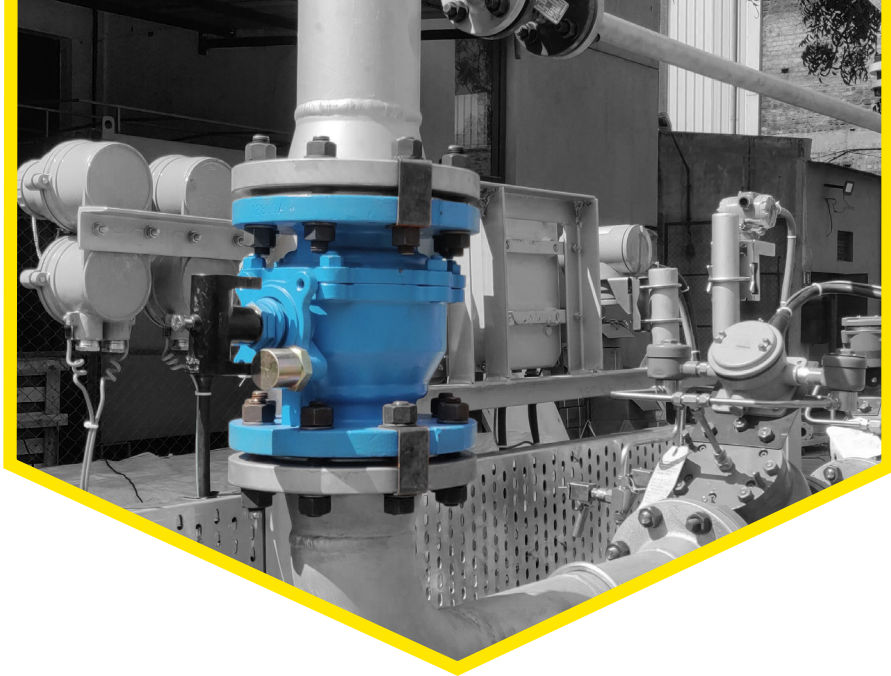
ABOUT US

Mevada Engineering Works Pvt. Ltd.

Mevada Engineering Works Pvt. Ltd. (MEWPL) is a leading manufacturer of industrial valves under its registered brand SATURN® for past 6 decades having its manufacturing facility in Mumbai, India staffed by competent Engineers and Technicians.

"SATURN" the brand chooses to stand firm in the Indian and International market with a promise, standard quality and guarantee. Our decades of rich experience in design and manufacturing has given us strong recognition and fame in the Ball valves market in most of the leading segments and in a variety of applications. Presently we are serving to Chemicals, Pharmaceuticals, Fertilizers, Petrochemicals, Steel, Oil, Gas, and other allied industries.

Shop & Facilities Approved by:



OUR COMMITMENTS TO THE INDUSTRY ARE STRONGLY ANCHORED BY VALUE PARAMETERS FOLLOWED BY ACCLAMATIONS LIKE:

- ▶ Our Quality Management System is in accordance with the requirements of ISO 9001: 2015 certified by BureauVeritas.
- ▶ The raw materials for our products is procured from reliable and quality alert SOURCES, which promises a superior product.
- ▶ Our valves strictly adhere to the STANDARDS laid down by API, DIN, ASTM, ANSI and BS ranging from size ½" to 24" (15 to 600mm).
- ▶ Our valves are used in various critical areas like Hydrogen, Oxygen, LPG, Chlorine and other TOXIC gases.
- ▶ Our fire safe design ball valves are WITNESSED and CERTIFIED by BUREAU VERITAS India Pvt. Ltd.
- ▶ Our Ball, Gate & Globe Valves are Fugitive Emission certified as per ISO 15848, and are highly suitable for Safe Environment application and hazardous services.
- ▶ Above all we are also appreciated by our valued customers with repetitive orders and certificates, reviewing on our PRODUCT QUALITY AND PERFORMANCE.

OUR CLIENTS

		And Many More			

BALL VALVES



BL-01

SPLIT BODY, THREADED END BALL VALVE

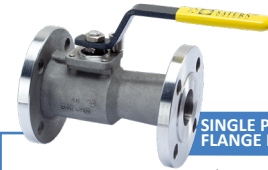
Size : 15-50mm 1/2" – 2"
Bore : Full bore
Ends : Threaded to BSP-II or NPT
Rating : 150 Class
Oprtr. : Hand lever
Material : Stainless Steel
Seat : PTFE/RPTFE
Usage : General Process & Utility lines



BL-02

SPLIT BODY, THREADED END BALL VALVE

Size : 8-50mm 3/8" – 2"
Bore : Full bore
Ends : Threaded to BSP-II or NPT
Rating : 300 Class
Oprtr. : Hand lever
Material : Carbon Steel & Stainless Steel
Seat : PTFE/RPTFE/NYLON/PEEK
Usage : General Process, Full Vacuum and High Pressure Lines



BL-03

SINGLE PIECE DESIGN FLANGE END BALL VALVE



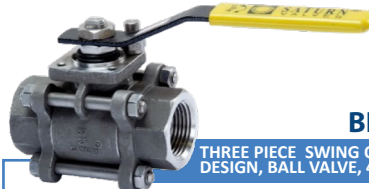
Size : 15-100mm 1/2" – 4"
Bore : Regular & Full bore
Ends : Flanged RF ANSI B 16.5
Rating : 150, 300 Class
Oprtr. : Hand lever, Gear, Pneumatic/Electrical Actuator
Material : CS, Stainless Steel, Duplex & Nickel based Alloys
Seat : PTFE/RPTFE/TFM1600/PEEK
Options : Firesafe, Pad Lock, Extended Stem
Usage : General Process, full vacuum, Toxic Gaseous services



BL-04

THREE PIECE DESIGN, THREADED END BALL VALVE

Size : 15-50mm 1/2" – 2"
Bore : Full bore
Ends : Threaded to BSP-II or NPT
Rating : 150 Class
Oprtr. : Hand lever
Material : Carbon Steel & Stainless Steel
Seat : PTFE/RPTFE
Usage : General Process & Utility lines



BL-05

THREE PIECE SWING OUT DESIGN, BALL VALVE, 400#

Size : 15-50mm 1/2" – 2"
Bore : Full bore
Ends : Threaded to BSP-II or NPT
 Socket weld to ASN B 16.11
Rating : 400 Class
Oprtr. : Hand lever, Pneumatic/Electrical Actuator
Material : Carbon Steel & Stainless Steel
Seat : PTFE/RPTFE/TFM1600/PEEK
Options : Pad Lock, Extended Stem, Extended Pup piece
Usage : General Process/Utilities, In-Line Maintenance and High Pressure Lines



BL-06

THREE PIECE SWING OUT DESIGN, BALL VALVE, 600#

Size : 8-50mm 3/8" – 2"
Bore : Full bore
Ends : Threaded to BSP-II or NPT
 Socket weld to ASN B 16.11
Rating : 600 Class
Oprtr. : Hand lever, Pneumatic/Electrical Actuator
Material : Carbon Steel & Stainless Steel
Seat : PTFE/RPTFE/TFM1600/NYLON/PEEK
Options : Firesafe, Pad Lock, Extended Stem, Extended Pup piece
Usage : General Process/Utilities, In-Line Maintenance and High Pressure Lines

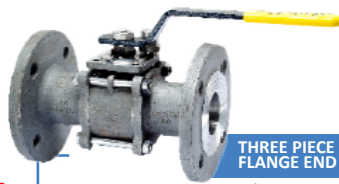


IBR III C Available BL-07

THREE PIECE FORGED STEEL, BALL VALVE, 800#



Size : 15-50mm 1/2" – 2"
Bore : Regular & Full bore
Ends : Threaded to BSP-II or NPT
 Socket weld to ASN B 16.11
Rating : 800 Class
Oprtr. : Hand lever
Material : Carbon Steel & Stainless Steel
Seat : RPTFE/NYLON/PEEK
Options : Firesafe, Pad Lock, Extended Stem, Extended Pup piece
Usage : General Process/Utilities and High Pressure Lines



BL-08

THREE PIECE DESIGN, FLANGE END BALL VALVE

Size : 15-100mm 1/2" – 4"
Bore : Full bore
Ends : Flanged RF ANSI B 16.5
Rating : 150 Class
Oprtr. : Hand lever
Material : Carbon Steel & Stainless Steel
Seat : PTFE/RPTFE
Options : Extended Stem
Usage : General Process & Utility lines



BL-09

TWO PIECE DESIGN, FLANGE END BALL VALVE

Size : 15-100mm 1/2" – 4"
Bore : Full bore
Ends : Flanged RF ANSI B 16.5
Rating : 150 Class
Oprtr. : Hand lever
Material : Carbon Steel & Stainless Steel
Seat : PTFE/RPTFE
Options : Extended Stem
Usage : General Process & Utility lines



SATURN VALVES

BALL VALVES



Size : 15-200mm 1/2" – 8"
Bore : Regular & Full bore
Ends : Flanged RF ANSI B 16.5
Rating : 150, 300 Class
Oprtr. : Hand lever, Gear, Pneumatic/Electrical Actuator
Material : Carbon Steel, LTCS, Stainless Steel, Duplex & Nickel based Alloys
Seat : PTFE/RPTFE/TFM1600/PEEK
Options : Pad Lock, Extended Stem, Extended Pup piece
Usage : General Process, Full vacuum and High Pressure Lines



Size : 15-200mm 1/2" – 8"
Bore : Regular & Full bore
Ends : Flanged RF ANSI B 16.5
Rating : 150, 300, 600 Class
Oprtr. : Hand lever, Gear, Pneumatic/Electrical Actuator
Material : Carbon Steel, LTCS, Stainless Steel
Seat : PTFE/RPTFE/TFM1600/PCTFE
Options : Pad Lock, Wall Mounted, Long Distance Operated
Usage : LT/HT Utility lines, LNG services

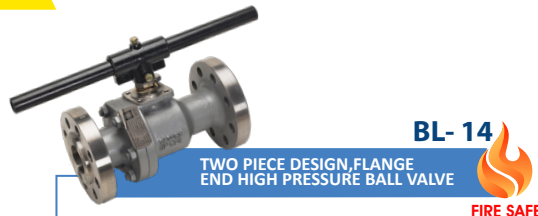


Size : 50-400mm 2" – 16"
Bore : Regular & Full bore
Ends : Flange RF ANSI B 16.5, Butt weld to ANSI B 16.25
Rating : 150, 300, 600 Class
Oprtr. : Hand lever, Gear, Pneumatic/Electrical Actuator
Material : Carbon Steel, LTCS, Stainless Steel
Seat : PTFE/RPTFE/NYLON/DAVLON/PEEK
Options : Pad Lock, Extended Stem, Extended Pup piece
Usage : General Process, Utilities, Crosscountry Pipeline valves

SPECIAL SERVICE BALL VALVES



Size : 15-100mm 1/2" – 4"
Bore : Regular & Full bore
Ends : Flanged RF ANSI B 16.5
Rating : 150, 300 Class
Oprtr. : Hand lever, Pneumatic/Electrical Actuator
Material : Carbon Steel, Stainless Steel, Duplex & Nickel based Alloys
Seat : PTFE/RPTFE/TFM/PEEK
Options : Pad lock, pressure gauge nipple on purging port for monitoring upstream pressure
Usage : Toxic Media (Phosgene, Chlorine, Hexane, Toluene, Ethylene Oxide, *T.C.A.I., Lonone, Hydrogen, High Temperature Thermal Fluids, Super-Heated Steam)



Size : 15-150mm 1/2" – 6"
Bore : Regular & Full bore
Ends : Flanged RF, T&G, M/F
Rating : 600 Class
Oprtr. : Hand lever, Gear, Pneumatic/Electrical Actuator
Material : Carbon Steel, Stainless Steel, Duplex & Nickel based Alloys
Seat : RPTFE/DEVLON/PEEK
Options : Pad Lock, Extended Stem
Usage : Ideal for High pressure Autoclaves, Hydrogen and Gas lines
Benefit : Assured Stem Sealing & Body Joint Seal design



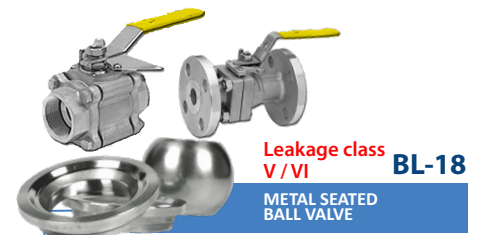
Size : 40-150mm 1 1/2" – 6"
Bore : Full bore
Ends : Flanged RF ANSI B 16.5
Rating : 150 Class
Oprtr. : Hand lever, Gear, Pneumatic/Electrical Actuator
Material : Carbon Steel, Stainless Steel
Seat : PTFE/RPTFE/PEEK
Options : Pad Lock, Extended Stem
Remark : For Sticky Free Operation, Rubber Polymers
Benefit : Non-Jamming of valves, Trouble Free Operation



Size : 15-250mm 1/2" to 10"
Bore : Full bore
Ends : Flanged RF ANSI B 16.5
Rating : 150, 300, 600 Class
Oprtr. : Hand lever, Gear, Pneumatic/Electrical Actuator
Material : Carbon Steel, Stainless Steel, Duplex & Nickel based Alloys
Seat : RPTFE/PEEK
Options : Pad Lock, Extended Stem, Jacket Nozzle with Flanges
Usage : To maintain process media temperature during process to keep fluids at a lower viscosity to operate valve smoothly



Size : 15-250mm 1/2" to 10"
Bore : Full bore
Ends : Threaded to BSP-II or NPT, Flanged RF ANSI B 16.5
Rating : 150, 300, 400 Class
Oprtr. : Hand lever, Gear, Pneumatic/Electrical Actuator
Material : Carbon Steel, Stainless Steel, Duplex & Nickel based Alloys
Seat : PTFE/RPTFE/TFM/PEEK
Options : Pad lock, Extended Stem, Bottom Inlet
Usage : Mixing or Diverting
Benefit : Saving Space & cost of 2 individual two way ball valves



Size : 15-200mm 1/2" – 8"
Bore : Full bore
Ends : Threaded to BSP-II or NPT, Socket weld to ANSI B 16.11
Rating : 150/300/600/800 Class
Oprtr. : Hand lever, Gear, Pneumatic/Electrical Actuator
Material : Carbon Steel, Stainless Steel, Duplex & Nickel based Alloys
Seat : Metallic-Stellited/ Tungsten Carbide coated
Options : Pad Lock, Extended Stem
Usage : High Temperature Steam, Hot Oil, Hot gas or Abrasive Media, Slurry with Particles in Petroleum, Power generation, Pulp & Paper, Mining Industries



SATURN VALVES

GATE, GLOBE & CHECK VALVES



FORGED STEEL GATE, GLOBE & LIFT CHECK VALVES

IBR III C Available
GT-01
GB-01
CH-01

Size : 15-50mm 1/2" – 2"
Ends : Threaded to BSP-II or NPT
Rating : 800, 1500 Class
Oprtr. : Handwheel
Material : Carbon, Alloy & Stainless Steel
Options : Locking, Stem Extension, Jacketing
Usage : General Process & Utility lines



IBR III C Available **GT-02**
O.S. & Y TYPE GATE VALVE

Size : 25-600mm 1" – 24"
Ends : Flanged Raised Face, Flate face, RTJ Flange
Rating : 150, 300 & 600 Class
Oprtr. : Handwheel, Gear Actuation
Material : Carbon, Alloy & Stainless Steel
Options : Locking, Stem Extension, Jacketing
Usage : General Process & Utility lines



IBR III C Available **GB-02**
O.S. & Y TYPE GLOBE VALVE

Size : 25-400mm 1" – 16"
Ends : Flanged Raised Face, Flate face, RTJ Flange
Rating : 150, 300 & 600 Class
Oprtr. : Handwheel, Gear Actuation
Material : Carbon, Alloy & Stainless Steel
Options : Locking, Stem Extension, Jacketing
Usage : General Process & Utility lines
Advantages : Fast acting & Precise Control can be used for high pressure lines



IBR III C Available **CH-02**
SWING CHECK VALVE

Size : 40-600mm 1.5" – 24"
Ends : Flanged Raised Face, Flat face, RTJ
Rating : 150,300 & 600 Class
Oprtr. : Self through internal shaft
Material : Carbon, Alloy & Stainless Steel
Options : Jacketing, Lift Check Arrangement & Noise Free Possible
Usage : General Process & Utility lines
Advantages : Prevents backflow, Maintain Pressure & Serves as back up system which can be used Horizontal and vertical



CH-03
WAFER DISC CHECK VALVE (DCV)

Size : 15-150mm 1/2" – 6"
Ends : Wafer to mount between ANSI & BS Flanges
Rating : 150 Class
Material : Stainless Steel 304, 316
Seat : Metallic
Usage : General Process & Utility lines
Advantages : Compact, minimal maintenance, Free solution for the prevention of reverse flow in pipelines carrying most types of liquids, steam and gases & low pressure drop



CH-04
WAFER SINGLE PLATE SWING CHECK VALVE

Size : 40-600mm 1 1/2" – 24"
Ends : Wafer to mount between ANSI & BS Flanges
Rating : 150, 300 Class
Material : Carbon & Stainless Steel
Seat : Nitrile/EPDM/Silicon/PTFE
Advantages : Prevents backflow, Maintain Pressure, Serves as back up system & can be used Horizontal and vertical
Features : Compact design saves space, Light weight, Easy to install, Economic, Lower slamming rate



CH-05
WAFER DUAL PLATE CHECK VALVE (DPCV)

Size : 50-600mm 2" – 24"
Ends : Wafer Type / Lug Type / Flanged
Rating : 150, 300 Class
Oprtr. : Self through internal shaft
Material : Carbon & Stainless Steel
Seat : Nitrile/EPDM/Viton/Metal
Advantages : Prevents backflow, Maintain Pressure, Serves as back up system & can be used Horizontal and vertical
Features : Compact design saves space, Retainer less Design & Lower Slamming Rate

BUTTERFLY VALVE



BF-01
CENTRIC DESIGN BUTTERFLY VALVE

Size : 40-1000mm 1 1/2" – 40"
Ends : Wafer Type / Lug Type / Double Flanged
Rating : PN 10, PN 16
Oprtr. : Hand lever, Gear, Pneumatic/Electrical Actuator
Material : Cast Iron, Ductile Iron, Carbon & Stainless Steel
Seat : EPDM, Nitrile, Viton, Hypalon, Silicon
Options : Locking, Stem Extension, Replaceable seat
Usage : Water treatment, Distribution, Transmission, Aeration System, Fire Protection, etc.
Advantages : Compact design saves space, Retainer less Design & Lower slamming rate



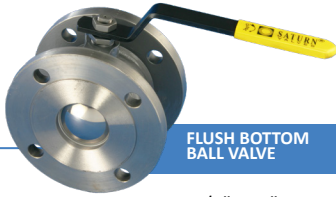
BF-02
HIGH-PERFORMANCE ECCENTRIC DESIGN BUTTERFLY VALVE

Size : 40-500mm 1 1/2" – 20"
Ends : Wafer Type / Lug Type
Rating : 150, 300 Class
Oprtr. : Hand lever, Gear, Pneumatic/Electrical Actuator
Material : Carbon & Stainless Steel
Seat : PTFE/RPTFE/PEEK
Options : Locking, Stem Extension
Usage : Compact design saves space, Retainer less Design, Lower Slamming rate
Advantages : Allows the usage in high-pressure systems such as ethanol or HVAC. Easy opening and retain strong sealing strength.



SATURN VALVES

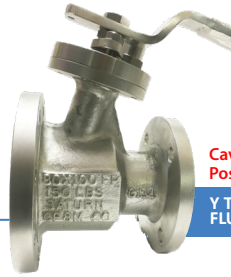
FLUSH BOTTOM VALVES



FB-01

FLUSH BOTTOM BALL VALVE

Size: 32-150mm 1 1/4" to 6"
Bore: Full bore
Ends: Flanged RF ANSI B 16.5
Rating: 150, 300 Class
Oprtr.: Hand lever, Pneumatic/Electrical Actuator
Material: Stainless Steel, Nickel based Alloys
 Seat PTFE/RPTFE/PEEK
Options: Extended Stem, 45 degree handle
Usage: To discharge the processed media (liquid or semi liquids) from the reactor
Benefit: Zero hold up in vessel side & no jamming of operation



Cavity Filled Possible

FB-02

Y TYPE FLUSH BOTTOM VALVE

Size: 32-150mm 1 1/4" to 6"
Bore: Full bore
Ends: Flanged RF ANSI B 16.5
Rating: 150, 300 Class
Oprtr.: Hand lever, Pneumatic/Electrical Actuator
Material: Stainless Steel, Nickel based Alloys
 Seat PTFE/RPTFE/PEEK
Options: Pad lock, Extended Stem, Cavity filled
Usage: To discharge the processed media (liquid or semi liquids) from the reactor
Benefit: Zero hold up in vessel side & no jamming of operation



FB-03

Y RAM TYPE FLUSH BOTTOM VALVE

Size: 40-300mm 1 1/2" to 12"
Type: Opening Inside Tank or Valve
Ends: Flanged RF ANSI B 16.5
Rating: 150, 300 Class
Oprtr.: Hand wheel, Pneumatic/Electrical Actuator
Material: Carbon Steel, Stainless Steel & Nickel based Alloys
Seat: Conical Metal to Metal disc seating/ PTFE
 Options: Fixed, renewable seat, Jacketing
Usage: To discharge the processed media (liquid or semi liquids) from the reactor
Benefit: Zero Hold up, Free Flow and Quick Discharge



V-01

HIGH PERFORMANCE DIRECT MOUNTED BALL VALVE


- 1/2" to 4", 150 Class, Full bore
- Fire safe to API 607 & FE certified to ISO 15848
- No Bracket & Coupler required
- ISO PAD Facilitates Dual PCD Actuator Mounting Interface
- Multiseal Stem assures no leakage for high number of cycles
- Dual Body Joint Seals assures no leakage through pipe tensions
- Easy in-line maintenance





Mevada Engineering Works Pvt. Ltd.

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