



MAXIMUS

VALVES AND AUTOMATION

All Types of Industrial Valves Manufacturer



ISO 9001 : 2015 Certified Company

www.maximusvalves.com

PRODUCT CATALOGUE

BUTTERFLY VALVE

SPECIFICATION



Types of Butterfly Valve

- Center Disc
- Double Offset
- Triple Offset

Size

- 50mm to 1000mm

Pressure Rating

- PN 10 / PN 16 / 150# / 300# / 600#

Operation Type

- Manual Handle Operated
- Gear Box Operated
- Pneumatic Actuator & Cylinder Operated
- Electrical Actuator Operated

End Connection type

- Wafer End Connection
- Flange End Connection
- Lug Type End Connection

Material of Constructions

- Body Material
 - Cast Iron / SG Iron / WCB / SS304 / SS316
- Disc Material
 - Cast Iron / SG Iron / WCB / SS304 / SS316
- Seat Material:
 - Soft Seat (Nitrile / EPDM / PTFE / RPTFE / CFT / GFT)
 - Metal Seat (SS304 + Graphite Limited / SS316 + Graphite Limited)



Technical Details

- Design & Manufacturing Standard
 - BS 5155 / API 609 / BS EN 593 / AWWA C 504 / IS 13095
- Face to Face Standard
 - BS 5155 / API 609 / AWWA C504
- Mounting Between
 - BS 5155 / API 609 / AWWA C504 / ASME B16.5 & ASME B16.10
- Testing & Inspection Standard
 - API 598
 - EN 12266 Part-1 & Part-2
 - BS 6755 Part-1
- Temperature Rating
 - Soft Seat : -40° to 260°
 - Metal seat : up to 600°

GATE VALVE

SPECIFICATION



Types of Gate Valve

- OS & Y Type
- Bolted Bonnet
- Rising Stem
- Non Rising Hand Wheel

Size

- 15 mm to 900 mm

Pressure Rating

- 150# / 300# / 600# / 900# / 1500# / 2500#

Operation Type

- Hand Wheel Operated
- Gear Box Operated
- Pneumatic Actuator Operated
- Electrical Actuator Operated

End Connection type

- Flange End Connection
- Butt weld End Connection
- Socket Weld End Connection
- Screwed End Connection
- Ring Type Joint(RTI)

Material of Constructions

- Body Material
 - CI / WCB / SS304 / SS316
- Seat Material:
 - SS 410 + 13% Cr. / SS304 / SS316 / SS304L / SS316L
 - SS304 + Stellite / SS316 + Stellite

Technical Details

- Design & Manufacturing Standard
 - API 600/API 6D
- Face to Face Standard
 - ASME B16.10
- End Connection Standard
 - ASME B16.5
- Testing & Inspection Standard
 - API 598



Types of Globe Valve

- OS & Y Type
- Bolted Bonnet
- Rising Stem
- Non Rising Hand Wheel

Size

- 15 mm to 900 mm

Pressure Rating

- 150# / 300# / 600# / 900# / 1500# / 2500#

Operation Type

- Hand Wheel Operated
- Gear Box Operated
- Pneumatic Actuator Operated
- Electrical Actuator Operated

End Connection type

- Flange End Connection
- Butt weld End Connection
- Socket Weld End Connection
- Screwed End Connection
- Ring Type Joint(RTI)

Material of Constructions

- Body Material
 - CI / WCB / SS304 / SS316
- Seat Material:
 - SS 410 + 13% Cr. / SS304 / SS316 / SS304L / SS316L / SS304 + Stellite / SS316 + Stellite

Technical Details

- Design & Manufacturing Standard
 - BS 1873 / DIN3356 / ND 16 / ND 40
- Face to Face Standard
 - ASME B16.10
- End Connection Standard
 - ASME B16.5
- Testing & Inspection Standard
 - API 598

NON RETURN VALVE

SWING CHECK VALVE / WAFER CHECK VALVE / DUAL PLATE CHECK VALVE

SPECIFICATION



Range

- 15 mm to 900 mm

Pressure Rating

- PN 10 / PN16 / PN 40 / 150# / 300#
/ 600# / 900# / 1500# / 2500#

Material of Constructions

- Body / Bonnet / Disc Material
 - CI / WCB / SS304 / SS316
- Disc Material
 - WCB / SS304 / SS316 / SS304L / SS316L
- Seat Material
 - SS 410 + 13% Cr. / SS304 / SS316 / SS304L / SS316L
SS304 + Stellite / SS316 + Stellite

End Connection type

- Flange End Connection
- Wafer End Connection
- Butt weld End Connection
- Socket Weld End Connection
- Screwed End Connection
- Ring Type Joint(RTJ)
- Lug Type End Connection



Technical Details

- Design & Manufacturing Standard
 - API 6D/BS 1868 / API 594
- Face to Face Standard
 - ASME B16.10 / API 594
- End Connection Standard
 - ASME B16.5
- Mounting Between
 - ANSI B 16.5 / BS 10 Table / DN / IS
- Testing & Inspection Standard
 - API 598

STRAINER

SPECIFICATION



Types of Strainer

- "Y" Type Strainer
- "T" Type Strainer
- Basket Type Strainer
- Pot Type Strainer

Size

- 15 mm to 900 mm

Pressure Rating

- 150# / 300# / 600# / 900# / 1500# / 2500#

End Connection type

- Flange End Connection
- Butt weld End Connection
- Socket Weld End Connection
- Screwed End Connection
- Ring Type Joint(RTJ)

Material of Constructions

- Body Material
 - CI / WCB / SS304 / SS316
- Mesh Material
 - SS 304 / SS316 / SS304L / SS316L

Technical Details

- Design & Manufacturing Standard
 - BS / DIN
- Face to Face Standard
 - ASME B16.10
- End Connection Standard
 - ASME B16.5
- Testing & Inspection Standard
 - API 598

BALL VALVE

SPECIFICATION



Types of Ball Valve

- Single Piece Ball Valve
- Two Piece Ball Valve
- Three Piece Ball Valve

Range

- 15 mm to 600 mm

Pressure Rating

- 150# / 300# / 600#

Operation Type

- Manual Handle Operated
- Gear Box Operated
- Pneumatic Actuator Operated
- Electrical Actuator Operated

End Connection type

- Flange End Connection
- Butt weld End Connection
- Socket Weld End Connection
- Screwed End Connection
- Ring Type Joint(RTJ)

Material of Constructions

- Body Material
 - CI / WCB / SS304 / SS316
- Trims Material
 - SS 304 / SS316 / SS304L / SS316L



Technical Details

- Design & Manufacturing Standard
 - API 6D, BS5351
- Face to Face Standard
 - ASME B16.10
- End Connection Standard
 - ASME B16.5
- Testing & Inspection Standard
 - API 598

KNIFE GATE VALVE

SPECIFICATION



Types of Knife Gate Valve

- Uni-directional Type Knife Gate Valve
- Bi-Directional Type Knife Gate Valve
- Square & Rectangle Type Knife Gate Valve
- Fabricated Type Knife Gate Valve

Range

- 15 mm to 600 mm

Pressure Rating

- 150# / PN10 / PN 16

Operation Type

- Hand Wheel Operated
- Gear Box Operated
- Pneumatic Actuator & Cylinder Operated
- Electrical Actuator Operated

End Connection type

- Wafer End Connection
- Flange End Connection
- Lug Type End Connection

Material of Constructions

- Body Material
 - CS/ WCB / SS304 / SS316
- Gate Material
 - SS 410 + 13% Cr. / SS304 / SS316 / SS304L / SS316L
 - SS 304 + Stellite / SS316 + Stellite

Technical Details

- Design & Manufacturing Standard
 - MSS SP 81
- Face to Face Standard
 - MSS SP 81
- End Connection Standard
 - MSS SP 81
 - ASME B16.5 & ASME B16.10
 - PN 10 / PN 16
 - TABLE – D & TABLE – E
- Testing & Inspection Standard
 - API 598

FORGED STEEL VALVE

GATE VALVE / GLOBE VALVE / CHECK VALVE



Range

- 15 MM to 50 MM

Pressure Rating

- 150# / 300# / 600# / 800# / 1500# / 2500#

Operation Type

- Hand Wheel Operated
- Gear Box Operated
- Pneumatic Actuator Operated
- Electrical Actuator Operated

Material of Constructions

- Body / Bonnet / Cover Material
 - Forged Carbon Steel
ASTM A105
 - Forged Stainless Steel
F304/ F304L/ F316/ F316L/ F11/ F22/ F5/ F9
- Seat Material
 - SS 410 + 13% Cr. / SS304 / SS316 / SS304L / SS316L
SS 304 + Stellite / SS316 + Stellite

End Connection type

- Screwed End Connection
- Flange End Connection
- Butt weld End Connection
- Socket Weld End Connection
- Ring Type Joint (RTJ)

Technical Details

- Design & Manufacturing Standard
 - API 602
- End Connection Standard
 - Manufacturer's Standard for Screwed, Socket, Butt Weld Ends
 - Flange End ASME B16.10
- Testing & Inspection Standard
 - API 598

FORGED STEEL BALL VALVE

SPECIFICATION



Size

- 15 MM to 50 MM

Pressure Rating

- 150# / 300# / 600# / 800# / 1500# / 2500#

Operation Type

- Manual Handle Operated
- Gear Box Operated
- Pneumatic Actuator Operated
- Electrical Actuator Operated

Material of Constructions

- Body / End Piece Material
 - Forged Carbon Steel
ASTM A105
 - Forged Stainless Steel
F304/ F304L/ F316/ F316L/ F11/ F22/ F5/ F9

End Connection type

- Screwed End Connection
- Flange End Connection
- Butt weld End Connection
- Socket Weld End Connection
- Ring Type Joint (RTJ)

Technical Details

- Design & Manufacturing Standard
 - BS 5351 / ASME B16.34
- Type of Bore
 - Regular (Reduced) & Standard (Full Bore)
- Testing & Inspection Standard
 - API 598 / BS 6755 Part-II



Size

- 50MM to 300MM (Butterfly Valve)
- 15MM to 150MM (Ball Valve)

Lining Material

- FEP / PFA

Lining Thickness

- 3 to 5 mm THK

Material of Constructions

- Body Material
 - S.G. Iron/ WCB/ CF8 (SS 304) / CF8M (SS 316) Lined With FEP/PFA
- Trims Material
 - ASTM A 351 GR. CF 8 (S.S. 304)
 - ASTM A 351 GR. CF 8M (S.S. 316)
 - ASTM A216 Gr. WCB
- Seat Ring - (Butterfly Valve)
 - FEP/PFA
- Seat Ring - (Ball Valve)
 - TAPER RING, "V" RING: Virgin PTFE – D1457

Technical Details

- Design & Manufacturing Standard
 - BS 5351 / ASME B16.34
- Type of Bore
 - Regular (Reduced) & Standard (Full Bore)
- Testing & Inspection Standard
 - API 598 / BS 6755 Part-II

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