Product Range
Globe Valve (Size: 1/2” to 36”)

- **Body Type**: One Piece Straight Through / Jacketed
- **Body Materials**: All Cast-able Materials
- **End Connections**: Flanged (Integral & Separable), Screwed, Butt weld and Socket weld
- **Bonnet**: Standard, Extended, Cryogenic & Bellow Sealed
- **Guiding**: 2 - top heavy duty stem guides
- **Gland Packing**: PTFE, Braided PTFE, Grafoil, Fugitive Emission, Vacuum
- **Gaskets**: PTFE, Spiral Grafoil, Glass filled S S
- **Seat Ring**: Clamped - in self aligned
- **Plug**: Line seat contact area, large diameter stem is an integral part
- **Characteristics**: Equal Percentage, Linear and Quick-open (On - Off)
- **Rangeability**: 50 : 1
- **Special Trims**: CavFlo, MegaFlo, dB Plates, VCFlo
- **Actuator**: Spring Cylinder Linear, Fully Field Reversible
- **Air pressure**: 2.0 to 10.0 Bar
- **Shut off class**: Metal seat - ANSI IV or V and replaceable Soft seat - ANSI VI

Butterfly Valve (Size: 2” to 72”)

- **Body Type**: One Piece Straight Through / Jacketed
- **Body Materials**: All Cast-able Materials
- **End Connections**: Wafer, Semi-Lugged, Full Lugged & Flanged
- **Bonnet**: Standard, Extended & Cryogenic.
- **Gland Packing**: PTFE, Braided PTFE, Grafoil, Vaccum
- **Gaskets**: PTFE, Spiral Grafoil, Glass filled S S
- **Seat Ring**: Clamped - in self aligned
- **Disc**: Double Eccentric Cammed
- **Shaft**: Splined - No transmission loss or dead band Stainless Steel / 17 - 4PH
- **Characteristics**: Equal Percentage, Linear and Quick-open (On - Off)
- **Actuator**: Spring Cylinder Rotary, Fully field reversible
- **Air pressure**: 2.0 to 10.0 Bar
- **Shut off class**: With Metal seat - ANSI IV and replaceable Soft seat - ANSI VI

Vee-Notch Ball Valve (Size: 1” to 24”)

- **Body Type**: One Piece Straight Through / Jacketed
- **Body Materials**: All Cast-able Materials
- **End Connections**: Wafer as well as Flanged (Integral & Separable Flange)
- **Bonnet**: Standard, Extended & Cryogenic.
- **Gland Packing**: PTFE, Braided PTFE, Grafoil, Vaccum
- **Gaskets**: PTFE, Spiral Grafoil, Glass filled S S
- **Seat Ring**: Clamped-in Self Aligned Bi-directional Seal
- **Ball**: Segment V - Notch Ball
- **Shaft**: Splined - No transmission loss or dead band Stainless Steel / 17 - 4PH
- **Characteristics**: Equal Percentage, Linear and Quick-open (On - Off)
- **Actuator**: Spring Cylinder Rotary, Fully field reversible
- **Air pressure**: 2.0 to 10.0 Bar
- **Shut off class**: With Metal seat - ANSI IV and replaceable Soft seat - ANSI VI
**Full Bore Ball Valve (Size: 1” to 24”)**

- **Body Type**: Two Piece / Three Piece / Floating / Trunnion Mounted / Jacketed
- **Body Materials**: All Cast-able Materials
- **End Connections**: Flanged, Socket & Butt Welded
- **Bonnet**: Standard, Extended & Cryogenic.
- **Gland Packing**: PTFE, Braided PTFE, Grafoil, Vacuum
- **Gaskets**: PTFE, Spiral Grafoil, Glass filled S S
- **Shaft**: Splined - No transmission loss or dead band Stainless Steel / 17 - 4PH
- **Characteristics**: On - Off / Approximate throttling with Positioner.
- **Actuator**: Pneumatic Spring Rotary, Fully field reversible
- **Supply**: Air pressure 2.0 to 10.0 Bar
- **Shut off class**: ANSI VI with Teflon Seat, ANSI IV with Metal Seat

**Eccentric Plug Valve (Size: 1” to 24”)**

- **Body Type**: Straight Through / Jacketed (Also known as "Rotary Globe Type")
- **Body Materials**: All Cast-able Materials
- **End Connections**: Flanged, Wafer
- **Bonnet**: Standard, Extended & Cryogenic.
- **Gland Packing**: PTFE, Braided PTFE, Grafoil, Vacuum
- **Gaskets**: PTFE, Spiral Grafoil, Glass filled S S
- **Seat Ring**: Clamped - in, Self Aligned with Reduced Cv options
- **Plug**: SS 304, 316, 304L, 316L, Hastelloy C and other Cast-able materials
- **Shaft**: Splined - No transmission loss or dead band Stainless Steel / 17 - 4PH
- **Characteristics**: Equal Percentage, Linear.
- **Actuator**: Pneumatic Spring Rotary, Fully field reversible
- **Supply**: Air pressure 2.0 to 10.0 Bar
- **Shut off class**: ANSI VI with Teflon Seat, ANSI IV with Metal Seat

**Flush Bottom**

- **Body Type**: 90° / 120° / 135° / Jacketed
- **Body Materials**: All Cast-able Materials
- **End Connections**: As required
- **Bonnet**: Standard Bolted
- **Seat**: Replaceable
- **Plug**: Opens inside the Vessel or Opens inside the Valve Provision for (RTD) Temperature Sensing
- **Characteristics**: Equal Percentage, Linear and On - Off
- **Actuator**: Spring Cylinder, fully Field Reversible
- **Air pressure**: 2.0 to 10.0 Bar
**Mini Desuperheater**

- Available sizes: 1" and Above as per Customer's Steam Line Size
- Available rating: 150# to 4500#
- Special feature: Stainless Steel sleeve acts as a thermal liner
- Turn-Down Ratio: 4:1

**Variable Spray Desuperheater**

- Available Sizes: 0.5" to 4.0" water inlet size
- Rating: 150# to 4500#
- Spray Method: Swirling hollow cone pattern of Atomized water at the injection point.
- Mounting Type: Probe at 45° or on long radius bend
- Turn-Down Ratio: 40:1

**Steam Conditioning Valves**

- Available Sizes: 0.5" to 36"
- Rating: 150# to 4500#
- Spray Method: Small Jets of spray through sleeve at the outlet where the steam is highly turbulent for ultimate mixing.
- Special Feature: No special trim/expertise needed as MASCOT Steam Conditioning Valves use standard MASCOT Globe control valve components. Water is sprayed at the outlet hence protecting the valve belly from pitting or thermal stresses.
- Turn-Down Ratio: 60:1