



Control Valves

Globe, Butterfly, Ball Valves
Steam Conditioning Valves and Desuperheaters

L&T Valves is a wholly-owned subsidiary of Larsen & Toubro, a leading engineering, construction, manufacturing and services conglomerate. The company, trusted by the industry for over five decades, offers innovative products and solutions that enhance safety, reliability and performance in flow-control systems across the globe.

Control Valves

L&T Valves offers a comprehensive range of control valves and allied equipment.

The valves find application in industries such as Oil & Gas, Power, Petrochemical, Chemicals, Mining and Paper & Pulp. L&T Valves products are offered with IBR Certification, CE Mark and ATEX certification.

Product Range:

- Globe Valve
- Butterfly Valve
- Vee-Notch Ball Valve
- Full Bore Ball Valve
- Mini Desuperheater
- Variable Spray Desuperheater
- Steam Conditioning Valves

Custom-engineered solutions and specialty valves for Severe Services are also offered.



Globe Valve (Size : ½" to 36")

Body Type:	2 Way/ 3 Way/ Angle/ Jacketed
Body Materials:	All Castable Materials. Forged available up to 4" in any class and higher sizes specifically for #2500 and higher.
End Connections:	Flanged (Integral & Separable), Screwed, Butt-weld and Socket-weld
Bonnet:	Standard, Extended, Cryogenic & Bellows Sealed
Guiding:	2 - top heavy duty stem guides
Gland Packing:	PTFE, Braided PTFE, Grafoil, Fugitive Emission, Vacuum
Gaskets:	PTFE, Spiral Grafoil, Glass filled SS
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:	With 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 Castable Materials
End Connections:	Wafer, Semi-Lugged, Full Lugged & Flanged
Bonnet:	Standard, Extended & Cryogenic
Gland Packing:	PTFE, Braided PTFE, Grafoil, Vacuum
Gaskets:	PTFE, Spiral Grafoil, Glass filled SS
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



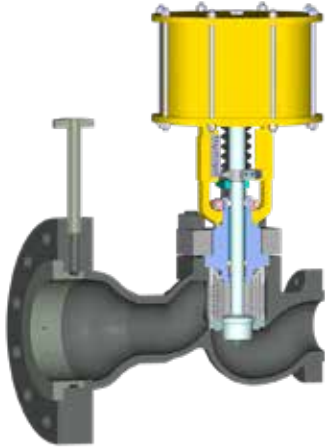
Vee-Notch Ball Valve (Size : 1" to 24")

Body Type:	One Piece Straight Through/Jacketed
Body Materials:	All Castable Materials
End Connections:	Wafer as well as Flanged (Integral & Separable Flange)
Bonnet:	Standard, Extended & Cryogenic
Gland Packing:	PTFE, Braided PTFE, Grafoil, Vacuum
Gaskets:	PTFE, Spiral Grafoil, Glass filled SS
Seat Ring:	Clamped-in self Aligned Bi-directional Seal
Ball:	Segmented 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 Castable Materials
End Connections:	Flanged, Socket & Butt Welded
Bonnet:	Standard, Extended & Cryogenic
Gland Packing:	PTFE, Braided PTFE, Grafoil, Vacuum
Gaskets:	PTFE, Spiral Grafoil, Glass filled SS
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



Steam Conditioning Valves

- Available Sizes:** ½" 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



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:** ½" 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



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