Control Valves - Globe-type
Larsen & Toubro manufactures a wide range of globe-type control valves for the power and hydrocarbon industries. The range comprises valves in straight pattern, angle and three-way body configurations, in ASME classes from 150 to 2500, in sizes up to 24” (600 mm).

L&T Control Valves are offered in a variety of materials, with actuation options and accessories to suit customer requirements.

### Compliance Standards

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<td>Pressure Temperature Rating</td>
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<tr>
<td>Hydrodynamic Noise</td>
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### Materials of Construction

<table>
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<th>Body/ Bonnet</th>
<th>Trim</th>
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<tr>
<td>A216 Gr. WCB/WCC/ A105</td>
<td>SS 410/ SS 410 + HF</td>
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<td>A352 Gr. LCB/LCC/ A350 Gr. LF2</td>
<td>SS 420</td>
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<td>A217 Gr. WC6/ A182 Gr. F11 Cl. 2</td>
<td>SS 422</td>
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<td>A217 Gr. WC9/ A182 Gr. F22 Cl. 3</td>
<td>SS 316 + HF</td>
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<td>SS 316L + HF</td>
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<tr>
<td>A351 Gr. CF8/ A182 Gr. F304</td>
<td>17-4 PH</td>
</tr>
<tr>
<td>A351 Gr. CF8M/ A182 Gr. F316</td>
<td>F91 + HF</td>
</tr>
<tr>
<td>A351 Gr. CF3/ A182 Gr. F304L</td>
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<tr>
<td>A351 Gr. CF3M/ A182 Gr. F316L</td>
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</tr>
</tbody>
</table>

*HF - Hard-Faced with Stellite 6 or equivalent

### Seat & Trim Options:
- Seat Type - Quick Change (default)
- Optional Seat Type - Welded Seat and Threaded Seat
- Plug Options - Balanced and Unbalanced
- Leakage Class - Up to Class VI
- Trim Types - Contoured, V-Port, Cage and Multi-Cage
- Trim Characteristics - Linear, Equal Percentage and Quick Opening

### Actuator Options:
- Pneumatic - Diaphragm
- Pneumatic - Piston
- Hydraulic
- Electrical
Product Range:

Valves for General Service
Size: 1" (25 mm) - 24"
(600 mm)
Class: 150 - 2500
Trim type: Contoured & V Port
Plug options: Balanced & Unbalanced
Flow direction: Open & Close

Applications:
- Modulating and On-Off
- Slurry and Clean service

Severe Service Valves
Size: 1" (25 mm) - 24"
(600 mm)
Class: 150 - 2500
Trim type: Multi-cage
Plug options: Balanced & Unbalanced
Flow direction: Open & Close

Applications:
- Modulating
- High Pressure Drop
- Noise Attenuation
- Anti-cavitation
- Clean Service

Low-Flow Applications
Size: ½ " (12 mm) - 1"
(25 mm)
Class: 150 - 2500
Trim type: Contoured
Plug options: Unbalanced
Flow direction: Open

Applications:
- Modulating
- Low Flow Rate
- High Viscosity Fluids
- Clean Service

Special Products
- Three-way Valve
- Drain Valve
L&T Control Valves

Larsen & Toubro is a world-leader in flow-control solutions. Backed by a 50-year heritage of excellence, L&T manufactures and markets a wide variety of industrial valves that find application in key sectors of the economy such as oil & gas and power.

L&T Control Valves are designed using state-of-the-art 3D design, simulation and analysis software. Finite Element Analysis (FEA) and Computational Fluid Dynamics (CFD) are extensively used. Prototypes are tested - both in-house and at advanced flow-control research establishments - to ensure that the valves deliver consistently high performance.

L&T's extensive manufacturing and quality assurance infrastructure ensure that world-class designs are transformed into high-performance products. Every phase of manufacture is governed by institutionalised safety, health and environmental standards.