

L&T VALVES

L&T Valves is a leader in flow-control solutions for critical services. A wholly owned subsidiary of L&T, the company leverages its fifty-year heritage of excellence to manufacture valves for key sectors of the economy such as oil & gas, power, petrochemicals, chemicals, fertilizers and pharmaceuticals.

Product Range:

- Gate, Globe & Check Valves
- Valves for Power
- Trunnion-mounted Ball Valves
- Process Ball Valves
- Triple-offset Butterfly Valves
- Flanged & Wafer-type Butterfly Valves
- Double Block and Bleed Plug Valves
- Automated & Control Valves
- Customised Solutions

The valves are designed using state-of-the-art 3D design, simulation and analysis software. Finite Element Analysis (FEA) and Computational Fluid Dynamics (CFD) are used to fine-tune product performance. Prototypes models are tested - both in-house and at advanced flow-control research establishments - to ensure that the valves deliver consistent high performance.

The Quality Management System of L&T Valves is certified to comply with ISO 9001 and API Spec Q1. The company is licensed to offer products monogrammed API 600, API 6D and API 609 as well as valves with CE Marking (Pressure Equipment Directive 97/23/EC) and ATEX certification (Council Directive 94/9/EC). Ball and Butterfly Valves with SIL-3 certification (IEC 61508) also are offered.

L&T Valves has three modern manufacturing units, in Manapakkam (Chennai), Coimbatore and Kancheepuram. State-of-the-art manufacture which leverages the best in technology and skill is an L&T Valves hallmark. All critical manufacturing operations are carried out on 5-axis machining centres, 5-axis welding machines, CNC machines and special purpose machines. International safety, health and environment standards govern every phase of the manufacturing process.

L&T Valves has a marketing network that spans the globe reinforced by strategic alliance with key international distributors.



Product (1)

CS Ball Valve

L&T Valves manufactures a wide range of soft-seated Process Ball Valves. The valves are of floating-ball design where the ball moves towards the downstream seat, under pressure, to effect a tight seal. The valves are available in sizes up to 12 inches and ASME classes up to 600. The valves are available in three-piece, two-piece and single-piece construction, in full-bore and reduced bore in a variety of materials.

- Cold working pressure
- Mirror-finished solid ball
- Fine-grained PTFE seats
- Fire-safe
- Cavity Pressure Relief mechanism
- BloLeak-tight stem sealing w/out-proof stem
- Antistatic feature

Product Specification:-

- **Material Type** : Body - A216 Gr.WCB, Ball-A351 Gr.CF8M, stem SS 316 seat and body seal PTFE Class 150, Body - A216 Gr.WCB, Ball-A351 Gr.CF8M, stem SS 316 seat and body seal PTFE Class 300
- **Brand Name** : L&T
- **Pkg Qty** : 1
- **Product Type** : Ball Valves
- **Specifications** : 3 piece design, Single piece design
- **Tag Type** : Ball Valves
- **Model Text** : L3RF1C, L1RF1C, L1RF3C

Product (2)



Flanged Ball Valve

- L&T Valves manufactures a wide range of soft-seated Process Ball Valves. The valves are of floating-ball design where the ball moves towards the downstream seat, under pressure, to effect a tight seal. The valves are available in sizes up to 12 inches and ASME classes up to 600.
- Cold working pressure
- Mirror-finished solid ball
- Fine-grained PTFE seats
- Fire-safe
- Cavity Pressure Relief mechanism
- BloLeak-tight stem sealing w/out-proof stem
- Antistatic feature

Product Specification:-

- **Material Type** : Body - A216 Gr.WCB, Ball-A351 Gr.CF8M, stem SS 316 seat and body seal PTFE Class 150
- **Class** : 150-A: 117 mm
- **Brand Name** : L&T
- **Pkg Qty** : 1
- **Item Weight** : 1.8 KG
- **Size** : DN:20 mm/ NPS: mm
- **Number Of Items** : 1
- **Product Type** : Ball Valves
- **Specifications** : 3 piece design
- **Tag Type** : Ball Valves
- **Model Text** : L3RF1C

Product (3)

L&T Ball Valve



- L&T Valves manufactures a wide range of soft-seated Process Ball Valves. The valves are of floating-ball design where the ball moves towards the downstream seat, under pressure, to effect a tight seal. The valves are available in sizes up to 12 inches and ASME classes up to 600. The valves are available in three-piece, two-piece and single-piece construction, in full-bore and reduced bore in a variety of materials.
- Cold working pressure
- Mirror-finished solid ball
- Fine-grained PTFE seats
- Fire-safe
- Cavity Pressure Relief mechanism
- BloLeak-tight stem sealing w/out-proof stem
- Antistatic feature

Product Specification:-

- **Material Type** : Body, A216 Gr.WCB, Ball-A351 Gr CF8M system SS 316, seat & Body seal-PTFE Class 150, Body, A216 Gr.WCB, Ball-A351 Gr CF8M system SS 316, seat & Body seal-PTFE Class 300
- **Brand Name** : L&T

Product (4)

L&T Butterfly Valve



- Aquaseal Integrally-moulded Butterfly Valve is available in various sizes from in PN 10 pressure rating. The valve was developed to provide reliable sealing in water and air lines, and is today the industry benchmark. The most striking feature of Aquaseal Butterfly Valve is its integrally-moulded body liner.
- Robust Design, Longer life
- Tight Sealing, and Consistent Low Torque
- Assured Shaft Sealing
- Enhanced Reliability
- Lower Torque, Disc design
- Reliable Drive

Product Specification:-

- **Material Type** : Body- SG Iron, Stem-SS 410, Disc- SS (CF8) body liner- Black Nitrile. Lever operated
- **Brand Name** : L&T
- **Pkg Qty** : 1
- **Item Weight** : Flow Control Lever- Wafer: 4 kg, Lugged: 5 kg, Standard Gear Unit- Wafer: 11.5 kg, Lugged: 12.5 kg, Flow Control Lever- Wafer: 48.5 kg, Lugged: 68 kg, Standard Gear Unit- Wafer: 50 kg, Lugged: 69.5 kg, Flow Control Lever- Wafer: 36 kg, Lugged: 48.5 kg, Standard Gear Unit- Wafer: 37.5 kg, Lugged: 50 kg, Flow Control Lever- Wafer: 27 kg, Lugged: 36.5 kg, Standard Gear Unit- Wafer: 28.5 kg, Lugged: 38 kg, Flow Control Lever- Wafer: 12.5 kg, Lugged: 18.5 kg, Standard Gear Unit- Wafer: 20.5 kg, Lugged: 26.5 kg, Flow Control Lever- Wafer: 11 kg, Lugged: 15 kg, Standard Gear Unit- Wafer: 18.5 kg, Lugged: 22.5 kg, Flow Control Lever- Wafer: 7.5 kg, Lugged: 11 kg, Standard Gear Unit- Wafer: 15.5 kg, Lugged: 18.5 kg, Flow Control Lever- Wafer: 5.5 kg, Lugged: 9 kg, Standard Gear Unit- Wafer: 13.5 kg, Lugged: 16.5 kg, Flow Control Lever- Wafer: 5 kg, Lugged: 7 kg, Standard Gear Unit- Wafer: 12.5 kg, Lugged: 14.5 kg
- **Product Type** : Butterfly Valves
- **Specifications** : Class 150 rating

- Product (5)

L&T Gate Valve



- L&T Valves manufactures a wide variety of Gate, Globe & Check Valves in bolted-bonnet design. The valves are approved by the global majors in oil & gas and power and have a reputation for reliable performance in critical services, across the globe. Valves in bolted bonnet construction are available in pressure classes from 150 to 2500, in a variety of materials and end-connections.

Gate Valves

- API 600/ISO 10434
- 2" to 72"
- ASME class 150 to 2500
- Salient Features:
 - Body and bonnet - Cast with uniform sections, precision machined.
 - Body: Straight through port without recesses except in the seat area - Minimum resistance to flow, turbulence and erosion.
 - Flex wedge: Guide slots in the wedge engage with integral guide ribs in the body, Stem-to-wedge contact close to wedge centre - Better sealing, smoother operation.
 - Seal-welded seat ring - Eliminates leakage path between seat ring and body, does not loosen up due to temperature fluctuations or vibration.
 - Stem - One-piece construction with forged T-head - Long service life, smoother operation.
- **Globe Valves**
- BS 1873

- 2" to 24"
- ASME 150 to 2500
- Salient Features:
- Body and Bonnet - Cast with uniform sections, precision machined.
- In-situ hard-faced body seat - Eliminates leakage path between seat ring and body.
- Guided plug-type disc, Free-floating stem-disc connection - Uniform seating.
- **Check Valves**
- BS 1868
- 2" to 36"
- ASME 150 to 2500
- Salient Features:
- Body and Bonnet - Cast with uniform sections, precision machined.
- Body: Permits full swing of disc on downstream side - Lower flow resistance and disc erosion.
- Disc: Internally-hinged - No opening on the body, higher integrity.
- Disc secured to hinge using lock nut and pin.
- Disc free to rotate to avoid localized wear.

- Product (6)

L&T Globe Valve



L&T Valves manufactures a wide variety of Gate, Globe & Check Valves in bolted-bonnet design.

The valves are approved by the global majors in oil & gas and power and have a reputation for reliable performance in critical services, across the globe. Valves in bolted bonnet construction are available in pressure classes from 150 to 2500, in a variety of materials and end-connections.

Gate Valves

API 600/ISO 10434

2" to 72"

ASME class 150 to 2500

Salient Features:

Body and bonnet - Cast with uniform sections, precision machined.

Body: Straight through port without recesses except in the seat area - Minimum resistance to flow, turbulence and erosion.

Flex wedge: Guide slots in the wedge engage with integral guide ribs in the body, Stem-to-wedge contact close to wedge centre - Better sealing, smoother operation.

Seal-welded seat ring - Eliminates leakage path between seat ring and body, does not loosen up due to temperature fluctuations or vibration.

Stem - One-piece construction with forged T-head - Long service life, smoother operation.

Globe Valves

BS 1873

2" to 24"

ASME 150 to 2500

Salient Features:

Body and Bonnet - Cast with uniform sections, precision machined.

In-situ hard-faced body seat - Eliminates leakage path between seat ring and body.

Guided plug-type disc, Free-floating stem-disc connection - Uniform seating.

Check Valves

BS 1868

2" to 36"

ASME 150 to 2500

Salient Features:

Body and Bonnet - Cast with uniform sections, precision machined.

Body: Permits full swing of disc on downstream side - Lower flow resistance and disc erosion.

Disc: Internally-hinged - No opening on the body, higher integrity.

Disc secured to hinge using lock nut and pin.

Disc free to rotate to avoid localized wear.

- Product (7)



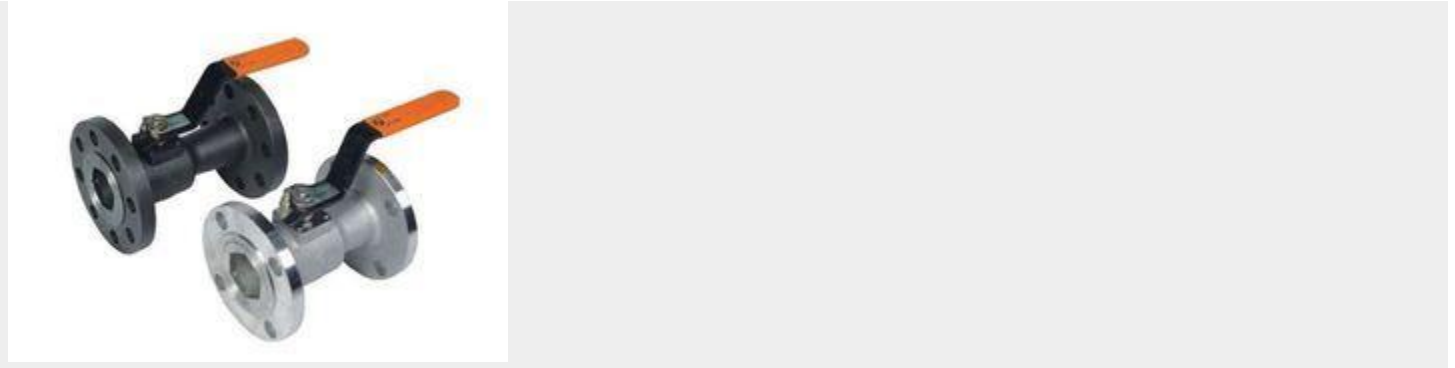
L&T Two Piece Ball Valve

Full Bore Ball Valves Flanged Ends [Two-Piece Design]
 L&T Make 2 Piece Design Ball Valve Full Bore, Flanged End to 150# / 300#
 Material of construction ASTM A216 Gr. WCB / SS 316
 Size Range 15mm to 200mm (1/2 Inch to 8 Inch)
 Product Code L2FF1C / L2FF1S / L2FF3C / L2FF3S
 AUDCO series Ball valves are full bore, fire tested and floating ball design.
Catalogue no Material Carbon Steel **Catalogue no Material Stainless Steel** **Size range** 1/2" - 8"
 [Two pc design]
Pressure rating Class 150/300
End connection Flanged

- Product (8)

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- **L&T SS Ball Valve**



- L&T Valves manufactures a wide range of soft-seated Process Ball Valves. The valves are of floating-ball design where the ball moves towards the downstream seat, under pressure, to effect a tight seal. The valves are available in sizes up to 12 inches and ASME classes up to 600. The valves are available in three-piece, two-piece and single-piece construction, in full-bore and reduced bore in a variety of materials.
- Cold working pressure
- Mirror-finished solid ball
- Fine-grained PTFE seats
- Fire-safe
- Cavity Pressure Relief mechanism
- BloLeak-tight stem sealing w/out-proof stem
- Antistatic feature

Product Specification:-

- **Material Type** : Body - A216 Gr.WCB, Ball-A351 Gr.CF8M, stem SS 316 seat and body seal PTFE Class 150, Body - A216 Gr.WCB, Ball-A351 Gr.CF8M, stem SS 316 seat and body seal PTFE Class 300
- **Brand Name** : L&T

- Product (9)

L&T Socket Weld Ball Valve



- L&T Valves manufactures a wide range of soft-seated Process Ball Valves. The valves are of floating-ball design where the ball moves towards the downstream seat, under pressure, to effect a tight seal. The valves are available in sizes up to 12 inches and ASME classes up to 600. The valves are available in three-piece, two-piece and single-piece construction, in full-bore and reduced bore in a variety of materials.
- Cold working pressure
- Mirror-finished solid ball
- Fine-grained PTFE seats
- Fire-safe
- Cavity Pressure Relief mechanism
- BloLeak-tight stem sealing w/out-proof stem
- Antistatic feature

Product Specification:-

- **Material Type** : Body - A216 Gr.WCB, Ball-A351 Gr.CF8M, stem SS 316 seat and body seal PTFE Class 150, Body - A216 Gr.WCB, Ball-A351 Gr.CF8M, stem SS 316 seat and body seal PTFE Class 300
- **Brand Name** : L&T
- **Pkg Qty** : 1
- **Product Type** : Ball Valves
- **Specifications** : 3 piece design, Single piece design
- **Tag Type** : Ball Valves
- **Model Text** : L3RF1C, L1RF1C, L1RF3C

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- Product (10)



L&T Cast Steel Gate Valve

- The API 600 / BS 1873 / BS 1868 family of L&T Gate, Globe and Swing Check Valves is exceptionally sturdy, rugged and durable, with a reputation for quality, integrity and long service. They are designed for tight sealing and ease of operation. The valves are available with flanged ends or buttweld ends, in pressure ratings from ASME Class 150 to Class 2500, and in a variety of materials of construction. Gate Valves are of flexible wedge, outside screw-and-yoke and bolted-bonnet construction. The valves conform to API 600.

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