



Valves for the Sugar Industry

L&T Valves

L&T Valves, trusted by the industry for 6 decades, offers innovative solutions that establish new benchmarks in plant performance and customer satisfaction. In sugar and allied industries, the products enhance reliability and performance, and reduce the total cost of ownership. L&T Valves Aftermarket provides service, spares and training support throughout the complete lifecycle of the valves.

To experience the L&T Valves Advantage, contact L&T Valves or our authorised distributors today.

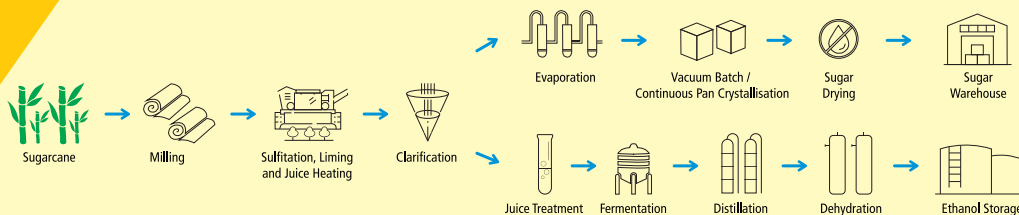
L&T Valves website and online store: www.Lntvalves.com

The L&T Valves Advantage

- ✓ **A Trusted Partner:** An enviable track record spanning 6 decades and over 20 million valves
- ✓ **Portfolio and Range:** Wide variety of valves, offering a solution for every need
- ✓ **Future-ready:** Next-generation technologies to provide unmatched safety and reliability
- ✓ **Maximum Productivity:** Global sales and aftermarket network for quick responses wherever you are
- ✓ **Manufacturing Footprint:** Facilities in USA, Saudi Arabia and India to meet your requirements
- ✓ **The support of Larsen & Toubro,** a USD 21 billion engineering and technology conglomerate



Sugarcane to Sugar/ Ethanol Process



Product Matrix	Butterfly Valves (Elastomer-lined)	Butterfly Valves (Triple-offset)	Ball Valves (Soft - seated)*	Forged Steel Gate, Globe & Check Valves*	Cast Steel Gate, Globe & Check Valves*	Knife Gate Valves
Milling and Extraction	✓		✓	✓	✓	✓
Clarification & Filtration	✓					
Evaporation	✓	✓	✓	✓	✓	✓
Crystallisation	✓		✓	✓	✓	✓
Centrifuging / Sugar Drying	✓					
Molasses Heating	✓					✓
Juice Treatment	✓			✓	✓	
Fermentation	✓		✓			
Distillation	✓		✓			
Ethanol Storage	✓	✓	✓		✓	
Co-gen Plant		✓		✓	✓	
Utilities	✓		✓	✓	✓	

*IBR certified valves available



Butterfly Valves (Elastomer-lined)

Size & Class: 2" to 36" / PN 10, PN 16, PN 25, #150
End Connection: Wafer, Lugged & Double Flanged
Body Material: Cast Iron with integral EPDM / Black Nitrile-lined
Disc Material: SG Iron (Nylon coated), CF8M (Edge polished)

Key Features

- Integrally moulded elastomer-lined
- Bubble-tight sealing
- Xylan coated shaft for low operating torque



Forged Steel Gate, Globe & Check Valves

Size & Class: ½" to 1 ½" / #800, #1500
End Connection: Socket Weld, Screwed, Butt Weld
Body Material: A105 / F22 ; Trim 8, 5

Key Features

- Design comply to API 602 / ASME B16.34 with corrosion & wear resistance
- Fugitive emission qualified as per API 624
- Integral hardfaced body seat for Globe and Check Valves



Ball Valves (Soft-seated)

Size & Class: ½" to 8" / #800, #150 - #600
End Connection: Socket Weld, Screwed, Flanged
Body Material: WCB / CF8M; Ball: CF8M

Key Features

- High integrity stem sealing ensures leak-free flow
- Mirror-finished solid stainless steel balls
- Seats with pressure relieving slots



Knife Gate Valves

Size & Class: 2" to 54" / PN 10, #150
End Connection: Wafer, Lugged & Double Flanged
Body Material: Cast Iron, Ductile Iron, Carbon Steel, Stainless Steel
Gate Material: Duplex Stainless Steel

Key Features

- Heavy-duty knife edge cuts through solid sediments
- Customised gate surface coatings - hardfacing, nitriding, chrome-plating
- Metal & Soft seat - Easy to maintain at site



Cast Steel Gate, Globe & Check Valves

Size & Class: 2" to 72" / #150 - #2500
End Connection: Flanged, Butt Weld
Body Material: Carbon Steel, Alloy Steel, Stainless Steel / Trim 8, Trim 5

Key Features

- Guided disc arrangement for all Globe Valves
- Internal hinge pin arrangement (Puncture-less body) for Check Valves
- Fugitive emission qualified as per API 624



Butterfly Valves (Triple-offset)

Size & Class: 3" to 100" / #150 - #2500
End Connection: Wafer, Lugged, Flanged, Butt Weld
Body Material: Carbon Steel, Alloy Steel, Stainless Steel
Disc Material: Carbon Steel, Stainless Steel

Key Features

- Triple Offset geometry minimises seat seal contact
- Body seat hardfaced with Stellite #21
- Replacable laminar seal

Industry References

- Andhra Sugars
- Avadh Sugar & Energy
- Bajaj Hindustan Sugar
- Balrampur Chini Mills
- Bannari Amman Sugars
- Dhampur Sugar Mills
- Dwarikesh Sugar Industries
- EID Parry
- Madhucon Sugar and Power Industries
- Triveni Engineering & Industries
- Ugar Sugar Works



A wholly owned subsidiary of Larsen & Toubro Limited

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Manufacturing facilities in USA, Saudi Arabia and India

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