

Maxseal Three-piece Ball Valves

IBR Certified for High Temperature Services
Class 600, Sizes 1/4" to 2"

L&T Valves Maxseal Ball Valve is an enviro-friendly flow-control solution for steam lines. The valve offers significant saving of process steam compared to multi-turn valve with rising stem.

Maxseal is designed to handle 103 bar pressure at 38° C and 5 bar pressure at 270°C. The valve achieves bubble-tight isolation in steam lines leveraging the time-tested L&T Ball Valve design and Special Filled PTFE seats. The quarter-turn valve is suited for quick closing services and can be easily automated to meet customer requirements.



Compliance Standards

- Valve Design: ISO 17292
- Ends - Screwed BSPT: ISO 7-1, NPT: ASME B1.20.1
- Ends - Socket-weld: ASME B16.11
- Pressure Test: ISO 5208, Class A

Salient Features:

- IBR Certified - Wall thickness meets Regulation 350 of the Indian Boiler Regulations, 1950, which covers design, fabrication, inspection, testing and certification of the valves
- Blowout Proof Stem
- High Integrity Stem Sealing
- Mirror-finished Solid Stainless Steel Balls
- Seats with Pressure-relieving Slots
- Cavity Pressure Relief Mechanism
- Levers with higher clearance to accommodate pipe insulation

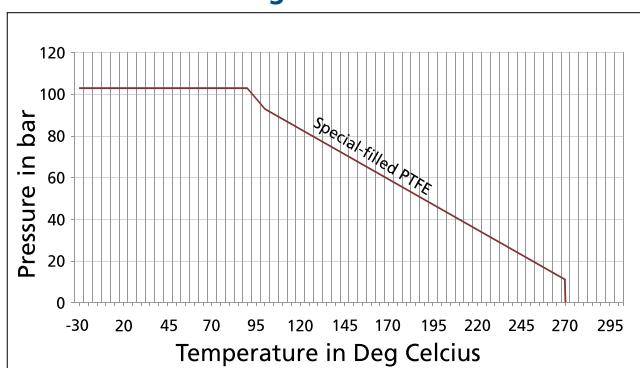
Materials of Construction

- Body/ Connector - A216 Gr WCB, A105
- Ball - A352 Gr CF8M/ A182 Gr F316
- Seat - Maxseal Special Filled PTFE
- Stem - A479 Type 316
- Body Seal - Graphite
- Stem Thrust Seal - Carbon-filled PTFE
- Stem Packing - Graphite

Range

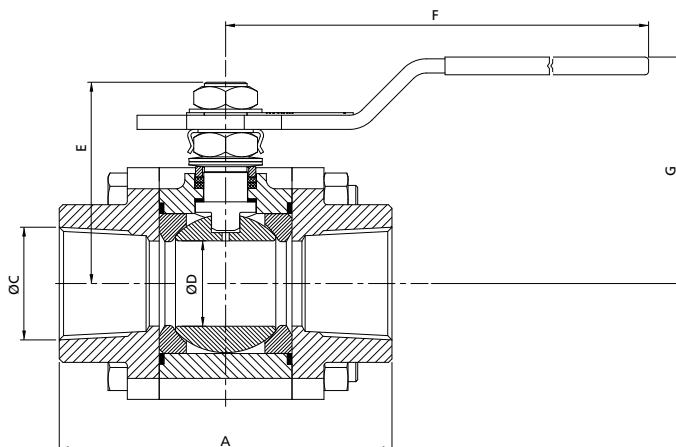
| Type | Class | Size | End Connection |
|--------------|-------|-----------|------------------------|
| Full Bore | 600 | 1/4" - 2" | Screwed Socket-weld |
| Regular Bore | | 3/4" - 2" | |

Maxseal Seat Rating

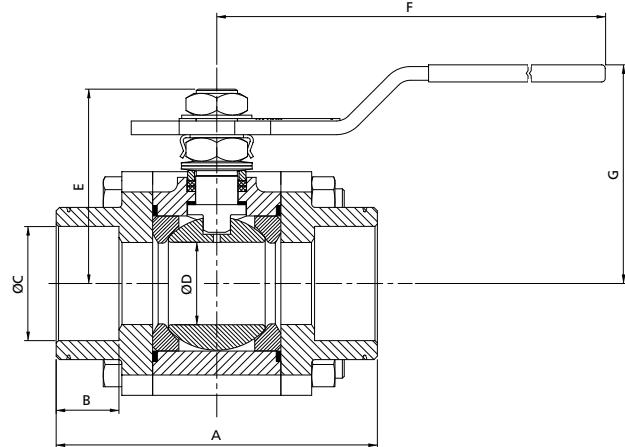


Application

- Process steam service in
- Chemical & Petrochemicals
 - Tyre Industry
 - Textiles
 - Pharmaceuticals
 - Food & Beverage
 - Power Plants



Screwed



Socket-weld end

Dimensions & Weights

Full bore

| Size NPS DN | A | B | C | | | D | E | F | G | Weight |
|-------------------|-----|----|-------------|--------------|-------------|------|----|-----|-----|--------|
| | | | BSPT | NPT | SW | | | | | |
| 1/4 8 | 73 | 10 | 1/4" - 19 | 1/4" - 18 | 14.6 - 14.2 | 14.3 | 42 | 125 | 95 | 1 |
| 3/8 10 | 73 | 10 | 3/8" - 19 | 3/8" - 18 | 18.0 - 17.6 | 14.3 | 42 | 125 | 95 | 1 |
| 1/2 15 | 73 | 10 | 1/2" - 14 | 1/2" - 14 | 22.2 - 21.8 | 14.3 | 42 | 125 | 95 | 1 |
| 3/4 20 | 95 | 13 | 3/4" - 14 | 3/4" - 14 | 27.6 - 27.2 | 20.6 | 50 | 155 | 100 | 1.5 |
| 1 25 | 92 | 13 | 1" - 11 | 1" - 11½ | 34.3 - 33.9 | 24 | 54 | 155 | 100 | 2 |
| 1 1/4 32 | 114 | 13 | 1 1/4" - 11 | 1 1/4" - 11½ | 43.1 - 42.7 | 37 | 75 | 215 | 125 | 4 |
| 1 1/2 40 | 114 | 13 | 1 1/2" - 11 | 1 1/2" - 11½ | 49.2 - 48.8 | 37 | 75 | 215 | 125 | 4 |
| 2 50 | 132 | 16 | 2" - 11 | 2" - 11½ | 61.7 - 61.2 | 49 | 87 | 215 | 125 | 6 |

All dimensions in mm and weights in kg

Regular bore

| Size NPS DN | A | B | C | | | D | E | F | G | Weight |
|-------------------|-----|----|-------------|--------------|-------------|------|----|-----|-----|--------|
| | | | BSPT | NPT | SW | | | | | |
| 3/4 20 | 73 | 13 | 3/4" - 14 | 3/4" - 14 | 27.6 - 27.2 | 14.3 | 42 | 125 | 95 | 1 |
| 1 25 | 95 | 13 | 1" - 11 | 1" - 11½ | 34.3 - 33.9 | 20.6 | 50 | 155 | 100 | 2 |
| 1 1/4 32 | 97 | 13 | 1 1/4" - 11 | 1 1/4" - 11½ | 43.1 - 42.7 | 24 | 55 | 155 | 100 | 2 |
| 1 1/2 40 | 116 | 13 | 1 1/2" - 11 | 1 1/2" - 11½ | 49.2 - 48.8 | 31.8 | 75 | 215 | 125 | 4.5 |
| 2 50 | 122 | 16 | 2" - 11 | 2" - 11½ | 61.7 - 61.2 | 37 | 75 | 215 | 125 | 4.5 |

All dimensions in mm and weights in kg



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As we continuously endeavour to improve our products, the data given herein is subject to change.

Please refer www.Lntvalves.com for the latest publication.



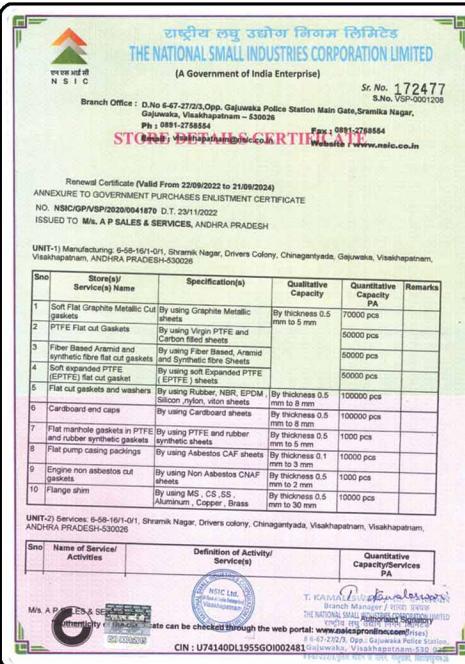


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