

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

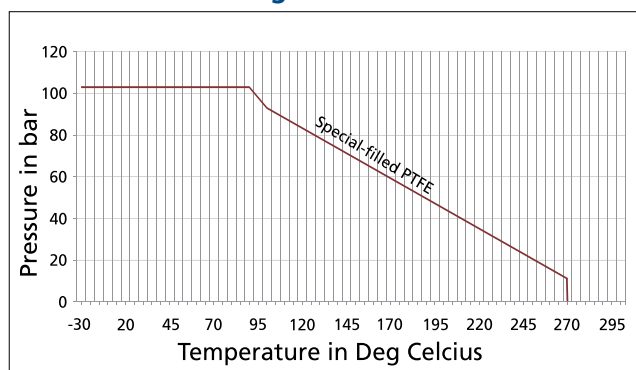
Materials of Construction

- 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 |
| Regular Bore | | 3/4" - 2" | Socket-weld |

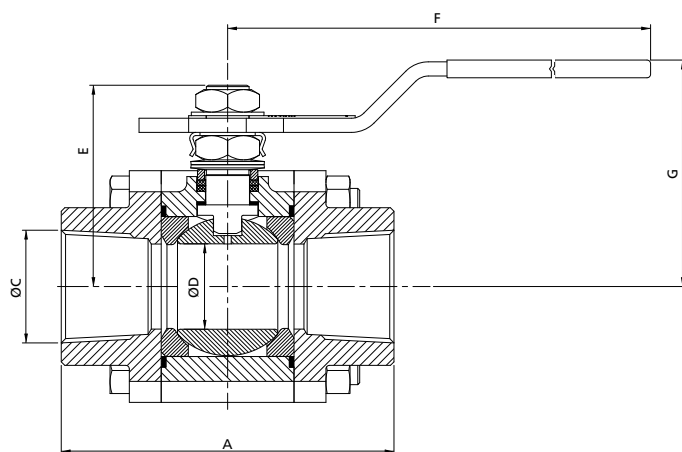
Maxseal Seat Rating



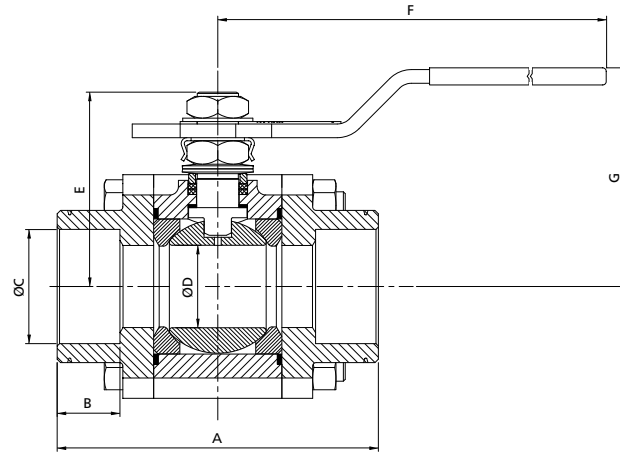
Application

Process steam service in

- Chemical & Petrochemicals
- Tyre Industry
- Textiles
- Pharmaceuticals
- Food & Beverage
- Power Plants



Screwed



Socket-weld end

Dimensions & Weights

Full bore

| Size | | A | B | C | | | D | E | F | G | Weight |
|------|----|-----|----|----------|-----------|-------------|------|----|-----|-----|--------|
| NPS | DN | | | BSPT | NPT | SW | | | | | |
| ¼ | 8 | 73 | 10 | ¼" - 19 | ¼" - 18 | 14.6 - 14.2 | 14.3 | 42 | 125 | 95 | 1 |
| ⅜ | 10 | 73 | 10 | ⅜" - 19 | ⅜" - 18 | 18.0 - 17.6 | 14.3 | 42 | 125 | 95 | 1 |
| ½ | 15 | 73 | 10 | ½" - 14 | ½" - 14 | 22.2 - 21.8 | 14.3 | 42 | 125 | 95 | 1 |
| ¾ | 20 | 95 | 13 | ¾" - 14 | ¾" - 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 |
| 1¼ | 32 | 114 | 13 | 1¼" - 11 | 1¼" - 11½ | 43.1 - 42.7 | 37 | 75 | 215 | 125 | 4 |
| 1½ | 40 | 114 | 13 | 1½" - 11 | 1½" - 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 | | A | B | C | | | D | E | F | G | Weight |
|------|----|-----|----|----------|-----------|-------------|------|----|-----|-----|--------|
| NPS | DN | | | BSPT | NPT | SW | | | | | |
| ¾ | 20 | 73 | 13 | ¾" - 14 | ¾" - 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 |
| 1¼ | 32 | 97 | 13 | 1¼" - 11 | 1¼" - 11½ | 43.1 - 42.7 | 24 | 55 | 155 | 100 | 2 |
| 1½ | 40 | 116 | 13 | 1½" - 11 | 1½" - 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



L&T Valves Limited

Mount - Poonamallee Road, Manapakkam, Chennai 600 089, INDIA

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Publication Number: VF103/0119

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.



A P Sales & Services

AN ISO 9001 : 2015 CERTIFIED COMPANY

Mob: 98491 48481

E-mail : sales@apsales.in



Certificate of Appointment

A P Sales & Services, Visakhapatnam

is appointed Authorised Distributor of
L&T Valves

R. Krishna Kumar
R Krishna Kumar
Head - India Sales

L&T Valves Limited, Mount - Poornamallee Road, Chennai - 600 089, INDIA. CIN: U74999MH1961PLC012185

|  GOVERNMENT OF INDIA कृषि, लघु व मध्यम उद्यम भारताय Ministry of Micro, Small and Medium Enterprises | भारत सरकार Government of India कृषि, लघु व मध्यम उद्यम भारताय Ministry of Micro, Small and Medium Enterprises |  MSME Micro, Small & Medium Enterprises | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--|---------------|------------------------------|------------------|---------------------|--------------|-------|------|---|-----------------------|------|-------------|-------|--|---------------|-------------------------|--------|------------|--|-----------------|
| | <h1 style="color: #FFA500;">UDYAM</h1> <h2 style="color: #FFA500;">REGISTRATION CERTIFICATE</h2> | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | |
| <p>Our small hands to make you LARGE</p> | | | | | | | | | | | | | | | | | | | | | | |
| TYPE OF ENTERPRISE | SMALL MANUFACTURING | | | | | | | | | | | | | | | | | | | | | |
| UDYAM REGISTRATION NUMBER | UDYAM-AP-10-000557 | | | | | | | | | | | | | | | | | | | | | |
| NAME OF ENTERPRISE | AP SALES & SERVICES | | | | | | | | | | | | | | | | | | | | | |
| NAME OF UNITS | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">SNo.</th> <th style="width: 45%;">Unit Name</th> <th style="width: 50%;">Exist Name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>AP Sales & Services</td> <td></td> </tr> </tbody> </table> | | SNo. | Unit Name | Exist Name | 1 | AP Sales & Services | | | | | | | | | | | | | | | |
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| 1 | AP Sales & Services | | | | | | | | | | | | | | | | | | | | | |
| OFFICIAL ADDRESS OF ENTERPRISE | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Particulars/Block No.</th> <th style="width: 30%;">20-03-2012</th> <th style="width: 30%;">Name of Promoters / Building</th> <th style="width: 10%;">Set within place</th> </tr> </thead> <tbody> <tr> <td>Village/Town</td> <td>Adiga gramam</td> <td>Block</td> <td>G-8</td> </tr> <tr> <td>Road/Street/Lane</td> <td>opp beta malai shweta</td> <td>City</td> <td>YSR&R&P&N&M</td> </tr> <tr> <td>State</td> <td>ANDHRA PRADESH</td> <td>District</td> <td>YSR&R&P&N&M, Ptn. 50829</td> </tr> <tr> <td>Mobile</td> <td>9849486186</td> <td>Pincode</td> <td>520029&pn&pn&pn</td> </tr> </tbody> </table> | | Particulars/Block No. | 20-03-2012 | Name of Promoters / Building | Set within place | Village/Town | Adiga gramam | Block | G-8 | Road/Street/Lane | opp beta malai shweta | City | YSR&R&P&N&M | State | ANDHRA PRADESH | District | YSR&R&P&N&M, Ptn. 50829 | Mobile | 9849486186 | Pincode | 520029&pn&pn&pn |
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| Mobile | 9849486186 | Pincode | 520029&pn&pn&pn | | | | | | | | | | | | | | | | | | | |
| 03/06/2014 | | | | | | | | | | | | | | | | | | | | | | |
| DATE OF INCORPORATION / REGISTRATION OF ENTERPRISE | | | | | | | | | | | | | | | | | | | | | | |
| DATE OF COMMENCEMENT OF PRODUCTION/BUSINESS | 03/06/2014 | | | | | | | | | | | | | | | | | | | | | |
| NATIONAL INDUSTRY CLASSIFICATION CODE(S) | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">SNo.</th> <th style="width: 10%;">NIC S1 Digit</th> <th style="width: 10%;">NIC S4 Digit</th> <th style="width: 50%;">NIC S Digit</th> <th style="width: 20%;">Activity</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>28</td> <td>2813</td> <td>28132 - Manufacturers of other pumps, compressors, vapour and vacuum etc.</td> <td>Manufacturing</td> </tr> <tr> <td>2</td> <td>28</td> <td>2813</td> <td>28139 - Manufacturers of other general purpose machinery etc., (not intended for industrial applications, exhaust valves for compression, laboratory or industrial use, clamping or other milling machine other than for metal or glass, gauges and similar parts made of a combination of materials or alloys of the same material and other general purpose machinery including manufacturers of parts and accessories for general purpose machines and equipment)</td> <td>Manufacturing</td> </tr> <tr> <td>3</td> <td>35</td> <td>3512</td> <td>35122 - Repair and maintenance of pumps and related equipment, power equipment, valves</td> <td>Manufacturing</td> </tr> </tbody> </table> | | SNo. | NIC S1 Digit | NIC S4 Digit | NIC S Digit | Activity | 1 | 28 | 2813 | 28132 - Manufacturers of other pumps, compressors, vapour and vacuum etc. | Manufacturing | 2 | 28 | 2813 | 28139 - Manufacturers of other general purpose machinery etc., (not intended for industrial applications, exhaust valves for compression, laboratory or industrial use, clamping or other milling machine other than for metal or glass, gauges and similar parts made of a combination of materials or alloys of the same material and other general purpose machinery including manufacturers of parts and accessories for general purpose machines and equipment) | Manufacturing | 3 | 35 | 3512 | 35122 - Repair and maintenance of pumps and related equipment, power equipment, valves | Manufacturing |
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| DATE OF UDYAM REGISTRATION | 11/08/2020 | | | | | | | | | | | | | | | | | | | | | |

[illegible]

Certificate



Certificate of Registration

This is to certify that the
Quality Management System
Of
AP SALES & SERVICES
At

REG.OFFICE ADD: # 31-303/102, SHOP NO. G-3, SRM VISHNU PALLA, OPP LEEA MAHAL THEATRE,
VISHAKHAPATNAM-530 026.

FACTORY ADD: D. NO. 6-58-16/1-01, SHIRANKI NAGAR DRIVERS COLONY CHINNA GANTYVA, VISAKHAPATNAM-
530026.

has been independently assessed and
compliant with the requirements of:
ISO 9001:2015
Quality Management System
For the following scope of activities:

MANUFACTURING OF SOFT PLAT CUT GASKETS, CNMF, GRAPHITE METALLIC, PTFE CUT GASKETS &
PTFE BOOTS AND BUSHES, TIGHT BARRIER GASKETS, FIBRE BASED CUT GASKETS, SOFT EDGEMOUTH PTFE
OFFSETS CUT GASKET, SULCONE EPDM, NBR PLAT CUT GASKETS, SERVICE PROVIDER FOR VALVE
REPAIR, VALVE SERVICING, ASSEMBLY, HYDROSTATIC AND PNEUMATIC TESTING OF
VALVES, AUTOMATION AND ASSEMBLY OF VALVES, ACTUATORS, REPAIR TESTING OF PNEUMATIC
ACTUATORS, ELECTRIC ACTUATORS, GENERAL ENGINEERING FABRICATION WORKS.

Certificate Number: 210461

Validity of this certificate can be verified at www.certifications.co.uk/verify

| | |
|---|---|
| <p style="margin: 0;">Date of Certification</p> <p style="margin: 0;">1st Surveillance Audit Due</p> <p style="margin: 0;">2nd Surveillance Audit Due</p> <p style="margin: 0;">Certificate Expiry (subject to the company maintaining its system to the required standard)</p> | <p style="margin: 0;">28th JANUARY 2023</p> <p style="margin: 0;">27th JANUARY 2024</p> <p style="margin: 0;">27th JANUARY 2025</p> <p style="margin: 0;">27th JANUARY 2026</p> |
|---|---|


Authorised Signatory


CB-003


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SUPPLY REFERENCES



Coromandel



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