



CYCLIC TEST CERTIFICATE Nr LTV/MPK/CHE/ET/001

- Completely
- Partially
- Balance

BV Job nr: IND.C.4.13.0408 BVI

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|--|--|
| PROJECT: Stock | Ref: ---- |
| BV Client: M/s: L&T Valves Limited, Manapakkam, Chennai | P/o nr: ---- (client to BV) |
| Manufacturer: M/s: L&T Valves Limited, Manapakkam, Chennai | P/o nr: (client to Manufacturer) |
| Inspection requested by: M/s: L&T Valves Limited, Manapakkam, Chennai | |

| SUPPLY / SUBJECT OF INSPECTION: | |
|---------------------------------|---|
| Valve details | NPS 12 / Class 150 / Triple Offset Butterfly Valve (API 609) / ASTM A216 GR WCB |
| Seal | Laminar (ASTM A240 UNS S31803 + Graphite) |
| Test Procedure | LTV-DEP-501/R0 |
| Test Conditions | Fluid: Air, Water |
| | Pressure: 11 bar – Hydrostatic Seat / 6 bar-Pneumatic Seat |
| | Temperature: Ambient (30°C) |
| | Flow Direction: Preferred |
| | Number of mechanical Cycles: 10,000 |

| CONCLUSIONS / REMARKS: | |
|---|---|
| Test Results | Endurance cycle test carried out for above mentioned valve as per the procedure (LTV-DEP-501, Rev-0) found satisfactory. |
| <p>The above items have been released in accordance with specifications and purchase order requirements on hand at the vendor's premises at the time of inspection.</p> <p>Enclosed manufacturer's Cyclic Test Report No: LTVETTOBV-001/R0 dated 17/09/2013 duly endorsed for the test results</p> | |

This note is issued further to an inspection whose duration and scope were limited by the terms and conditions of the contract with BV principal. This note is NOT an indication that the item(s) is (are) fit for any specific purpose and does not release the manufacturer, supplier and any party from their respective duty, guarantee, obligation and/or indemnity relating to, without limitation, patents, workmanship, materials, safety, performance in operation and/or reliability.

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| Inspected by: | | Checked by: |
| Name: M. Rajaram | | Name: M. Rajaram |
| Date of issue: 17/09/2013 | | Signature: |
| Inspection centre: Chennai | | |
| Distribution: <input type="checkbox"/> L&T Valves <input type="checkbox"/> BV-Chennai | | |

This note is subject to the General Conditions of Service of Bureau Veritas in force on the day of its issuance.