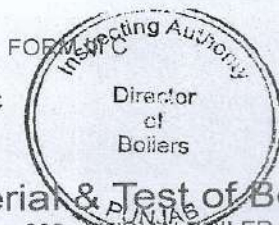


Maker's Certificate No.: LVL- MISC  
Dated: 10.10.2023



Rev. No. 00  
Rev. Date: New  
Inspection Authority's  
certificate No.: IAP/LVL- 9617

## Certificate of Material & Test of Boiler Mounting and Fittings

(Regulation 269 of Indian Boiler Regulations - 1950)

1. Name of Part: 50 MM C.S. GLOBE VALVE FLANGED TO CLASS 300 Nos.: 30

2. Maker's Name and address: LEADER VALVES LIMITED  
Industrial Town, Jalandhar City (Punjab) India

Intended Working Pressure 29 Kg/cm<sup>2</sup> AT 425°C  
Hydraulic Test Pressure BODY: 78 Kg/cm<sup>2</sup> HYD. SEAT: 56 Kg/cm<sup>2</sup> HYD. SEAT (AIR): 7 Kg/cm<sup>2</sup> AIR  
Main Dimensions AS PER APPROVED DRAWINGS  
Drawing No.: 83/GLB/9748/23-24

LEADER<sup>®</sup> LVL<sup>®</sup>  
LEADER VALVES LTD.

Identification Marks Punched serial number and inspecting authority's seal on body flange



CAST STEEL (A216 Gr. WCB)

| Heat No.     | CHEMICAL COMPOSITION |       |       |       |       |       |       |       |       |       |
|--------------|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|              | C %                  | Mn %  | S %   | P %   | Si %  | Ni %  | Cr %  | Mo %  | V %   | Cu %  |
| ECF110-LK120 | 0.217                | 0.983 | 0.033 | 0.029 | 0.318 | 0.011 | 0.027 | 0.010 | 0.006 | 0.010 |
| MPG214-NC52  | 0.210                | 0.976 | 0.031 | 0.028 | 0.336 | 0.010 | 0.030 | 0.009 | 0.004 | 0.008 |

### Physical Test Results:

| Sr. No. of Valves | Heat No. / Batch No. | Tensile Strength (in mpa) | Yield Strength (in mpa) | Reducing in Area % | Elongation % | Bend Test | Hardness |
|-------------------|----------------------|---------------------------|-------------------------|--------------------|--------------|-----------|----------|
| P 48101 - 115     | ECF110-LK120         | 442                       | 332                     | —                  | 32.25        | OK        | —        |
| P 48116 - 130     | MPG214-NC52          | 459                       | 338                     | —                  | 33.15        | OK        | —        |

Certified that the particulars entered herein by us are correct.

The part has been designed and constructed to comply with the Indian Boiler Regulations for a working pressure of 29 Kg/cm<sup>2</sup> AT 425°C and satisfactorily withstood a hydraulic test of 78.0 Kg/cm<sup>2</sup>

using water or kerosene or with any other suitable liquid in accordance with the provision of clause (a) of regulation 290, on the 10th day of OCTOBER - 2023 in the presence of our responsible representative whose signature is appended here in under

For LEADER VALVES LIMITED

Manoj Kumar  
Maker's Representative

We have satisfied ourselves and the valve / fitting has been constructed and tested in accordance with the requirement of the Indian Boiler Regulation, 1950. We further certify that the particulars entered here in are correct.

### IMPORTANT

Please accept only that xerox copy of certificate which carries:

- Signature of a Director of the Company
- Words "NOT TO BE REPRODUCED" Printed in Red Colour
- This certificate is valid for valve

Sr. No.: P48113

For LEADER VALVES LIMITED

AbiL Bcu  
(AMBIKA BERI)  
Director M & M

For LEADER VALVES LIMITED

AbiL Bcu  
(Ambika Beri)  
Director M&M

BALVINDER PAL Singh  
Name & Sign. of the Inspecting Officer  
INSPECTING OFFICER  
who witnessed the tests

(SATBIR SINGH)  
Inspecting Officer &  
Inspecting Authority  
Director Of Boilers (Pb.)

All tests carried out using calibrated instruments.

NOTE: In the case of valve chest made and tested by wellknown Foundries or Forgers recognised by Central Boiler Board in the manner as laid down in regulations 4A to 4H, listed in Appendix K, particulars regarding the material as certified by them, in any form, shall be noted in the appropriate columns or paragraphs in the certificates and in case of certificate from well known Foundries or Forgers is produced, such certificates may be accepted in lieu of the certificate from Inspecting Authority in so far as it relates to the testing of material specified in the form.

"STRIKE OUT WHICH IS NOT APPLICABLE"