

INSPECTION CERTIFICATE NO: 8113202253/400-MIL CONTROL-CBE/IC/01

DATE: 26.07.2016

PROJECT : TPI Witness for FE Test at Fluid Control Research Institute, Palakkad (FCRI)
PLACE OF ISSUE : COIMBATORE
CLIENT : MIL Controls Limited, Thrissur, Kerala
PURCHASE ORDER NO. : E-Mail Date Ref: 30 June 2016 (MIL to TUV India)

Sl.No.	SUBJECT OF INSPECTION	TEM / TAG Nr	QTY
1	Third Party Witness of Fugitive Emission Test on MIL Control Valve (2"CL2500 Globe Control Valve with 19.05 mm stem diameter) as per ISO 15848-1 – 2015 at FCRI & MIL	MIL-FE/15/003	01 No

TYPE TEST CERTIFICATE

Test Valve Description:

Tag No.: MIL-FE/15/003;

Model...: MIL 41000 Series

Item.....: 2"CL 2500 Globe Control Valve with 19.05 mm Stem Diameter with Pneumatically Operated Actuator

Sl.No.....: 164046

Gland Packing: Graphite - MIL Ecolock FE packing system (Supagraf Premier -James Walker make).

Valve Body & Bonnet Material: ASTM A182 Gr F347

Tightness class achieved.....: AH

Mechanical cycles witnessed.....: Endurance class CC1 (20,000 cycles)

Pressure at Room temperature: 415.0 bar

Pressure at 400 deg C: 285.0 bar

Reference documents used for inspection:

ISO 15848-1 – 2015

Place of inspection & date or period:

Place: FCRI Palakkad (Period: 04.07.2016, 05.07.2016, 06.07.2016, 07.07.2016 & 08.07.2016) & MIL Controls, Thrissur (Date: 25th July 2016)

Distribution list: Client, Vendor, TUV CBE

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Marking and stamping:

The above Valve being marked (Hard – punched) as below:

2" 2500CL; MIL-FE/15/003-164046 and ISO FE AH-CC1-SSA0-t 400deg C-CL2500-ISO15848-1:2015

Conclusion:

On the basis of the test results , the above Test Valve satisfactorily passed the " TYPE TEST"
In accordance with ISO – 15848 – 1 : 2015 Second Edition .

Subject to meeting the provisions stated by ISO – 15848 – 1 : 2015 Second Edition Clause No: 8 -

a , b , c & d permissible extension of Qualification to Un- tested Valves are as following:

- a) Valves having Stem diameter 3/8" (9.525 mm) to 1.5" (38.1 mm)
- b) Valves pressure rating less than or equal to ASME 2500 Class
- c) Where the required temperature falls between RT to 400 deg C
- d) The tightness class equal to or less than AH
- e) The use of Gearbox or other Actuator do not require separate qualification provided the above criteria are met

Annexure to this certificate:

TUV - Inspection Report No: 8113202253/400-MIL CONTROL-CBE/01 Dt 08.07.2016 updated on 26.07.16.

FCRI – Report/Data sheet to be correlated with this Certificate.


(S.Parthiban)
Surveyor(s) to TUV India Private Limited

