



FUGITIVE EMISSIONS CERTIFICATE Nr LTV/MPK/CHE/FE/GGC/010-R1

-
- Completely
-
-
- Partially
-
-
- Balance

BV Job nr: IND.C.4.13.0355

PROJECT: Stock	Ref: ----
BV Client: M/s: L&T Valves Limited, Manapakkam, Chennai	P/o nr: ----
Manufacturer: M/s: L&T Valves Limited, Manapakkam, Chennai	P/o nr: ----
Inspection requested by: M/s: L&T Valves Limited, Manapakkam, Chennai	
Test date: 30/05/2011 to 04/06/2011	

SUPPLY / SUBJECT OF INSPECTION:

Standard	ISO 15848 Part-1, First edition 2006
Valve details	NPS 10 / Class 300 / Gate Valve (API 600) / ASTM A216 Gr. WCB
Stem Seal	Primary: SS 316 Ti Bellows Secondary: 3 Die-moulded graphite center rings with 2 Braided graphite end rings (Stem dia: 1.5")
Body Seal	Spiral wound SS 316 with Graphite filler
Test Conditions	Fluid Helium
	Pressure 51 bar / 29 bar
	Temperature RT/ 425°C
	Test method ISO 15848 Part-1: Vacuum method (Annex A), Sniffing method (Annex B)

CONCLUSIONS / REMARKS:

As per the standard, the range of valves qualified is as under:

Performance class	ISO FE AH – CO ₂ – SSA 0 – t (425°C) – CL300 – ISO 15848-1	
Test Results	Tightness class	AH
	Endurance class	CO ₂ (1500 mechanical cycles, 3 thermal cycles)
	Number of stem seal adjustments (SSA)	0
Qualification extension	Stem diameters qualified (50% lower and 200% higher)	Gate Valves with stem diameters ranging from 0.75" to 3"
	Size/Class qualified	Classes 150 & 300 (Sizes covering stem diameters 0.75" to 3")

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.

Enclosed manufacturer's Fugitive Emissions report no: AILFEISOGGC-010 dated 04/06/2011 duly endorsed for the test results

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.

Inspected by:

Name: S. Gopalakrishnan

Date of issue: 05/09/2013

Inspection centre: Chennai



Checked by:

Name: S. Sankar

Signature:

Distribution: L&T Valves BV-Chennai

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