

Fugitive Emissions Certificate: 8110859171-500-05

This is to certify that the NPS 16 (DN 400) Class 600 Gate Valve
Manufactured and Tested by

M/s. L&T Valves Limited

(Post Bag No. 976, Mount Poonamallee Road, Manapakkam,
Chennai - 600089, India)

as per Fugitive Emission standard ISO 15848 - Part 1, First Edition 2006, is ranked as
ISO FE AH - CO₂ - SSA 0 - t (400 °C) - CL600 - ISO 15848-1

Valve details	NPS 16 (DN 400), Class 600, Gate Valve (ASTM A216 GR. WCB)	
Stem Seal	5 braided graphite rings of Teadit Style 2236 (Stem diameter: 2.375")	
Body Seal	Ring type joint (SS 316)	
Test Conditions	Fluid	Helium
	Pressure	102.1 bar / 69.4 bar
	Temperature	RT/ 400 °C
	Test method	Vacuum Method (Annex A of ISO 15848 Part-1) Sniffing Method (Annex B of ISO 15848 Part-1)
Test Results	Tightness class	AH
	Endurance class	CO ₂
	No. of mechanical cycles	1500
	No. of thermal cycles	3
	Number of stem seal adjustments (SSA)	0
Qualification extension	Stem diameters qualified (50% lower and 200% higher)	Cast Steel Gate Valves with Stem diameters ranging from 1.1875" to 4.75"
	Size/Class qualified	Classes 150, 300 & 600 (Sizes covering Stem diameters 1.1875" to 4.75")

This Certificate shall be valid in conjunction with test report No. LTVFEISOGGC-026 dated 02/05/2014.

2nd May 2014

I.S. Madhavan
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(Surveyor to TUV India)

