

Industry & Facilities Division



INSPECTION CERTIFICATE N°: EPSSAT/VKV/CBE/290-2/IC/001

BV Job Nr: **IND.CO.4.23.0112 / ZIG- 19172170-1001**

PROJECT:	Witness and Certification of ISO 15848 and TA LUFT VDI 2440 (Qualification Test)
Manufacturer:	M/s VK valves Pvt Ltd , Jalandhar, Punjab -144004
Test Location :	M/s. EPSSAT, Coimbatore – India - 641014

SUPPLY / SUBJECT OF INSPECTION	ITEM / TAG Nr	QTY
DN 50 NPS 2 PN 40 Below Seal Globe Valve EN 10213-2 Grade 1.0619+N Fugitive Emission Test @ RT, 425° C	Valve SI. # 230025-31-01	1

SCOPE OF INSPECTION: Witness and Certification of ISO 15848 Part 1:2015 (E) +A1 2017 Testing and TA LUFT VDI 2440 - 2021

(FUGITIVE EMISSION TEST – PART I Qualification)

➤ **Particulars:**

Standard	ISO 15848-1:2015 + A1:2017 & VDI 2440 TA LUFT	
Valve details	NPS 2 (DN 50) / PN 40 / Bellow Seal Globe Valve / EN 10213-2 Grade 1.0619+N	
Stem Seal	Primary Bellow : Bellows (Bhastrik – 2 layer) Secondary :Flexible Graphite packing ring B3 + NA 707 (2 + 3) – Pacmaan Stem Diameter: 15.7 mm	
Body Seal	Spiral Wounded Gasket (Stem Seal - SSP 3100 G SPW SPL)	
Test Conditions	Fluid: Helium	
	Pressure:	40 bar @ RT / 22.8 bar @ 425°C
	Temperature:	RT to 425°C
	Test method: ISO 15848 Part-1: Vacuum method (Annex A), Sniffing method (Annex B)	

Performance class	ISO FE AH – CO3 – SSA 0- t (RT, 425°C) – PN 40 - ISO 15848-1 & TA LUFT VDI 2440	
Test Results	Tightness class	AH
	Endurance class	CO3 (2500 mechanical cycles, 4 thermal cycles)
	Number of stem seal adjustments (SSA)	0
Qualification extension	Stem diameters qualified (50% lower and 200% higher)	Bellow Seal Globe Valve with stem diameter ranging from 7.85 mm to 31.4 mm
	Size/Class qualified	Classes 150; (PN 6 – PN 40)

➤ **Reference Standard:** ISO 15848-1:2015 + A1:2017 & VDI 2440 2021

➤ **Place of inspection & date or period:** M/s. EPSSAT, Coimbatore from: 03.11.2023 to 07.11.2023

➤ **Marking and stamping:** BV Low-stress stamping identified as 'BV', near marking details.

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BUREAU
VERITAS

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➤ **Annexes to this certificate:**

1. Inspection Report No EPSSAT/VKV/CBE/290-2/ IR-001
2. EPS-TR-01-059 Rev. 0 Dt. 07.11.2023

The undersigned, inspector to Bureau Veritas, certifies that the here above-mentioned supply was inspected in conformity with the applicable requirements of the purchase order and the contractual requirements governing the mission entrusted to Bureau Veritas without any remarks.

Inspected by: SABARISH

Checked by: R. MAYILVAHANAN



Signature

Signature

Date of issue: 10.11.2023

Inspection centre: BV- Coimbatore

Distribution ☒ EPSSAT

☒ BV- CBE