

**Certificate No : 624-2025051903****Date : May 19, 2025****API STANDARD 624 HIGH TEMPERATURE TEST CERTIFICATE**
Type Testing of Rising Stem Valves Equipped with Graphite Packing For Fugitive Emissions

This is to certify that the below mentioned valve has been inspected by Aditya High Vacuum Pvt. Ltd and found to be satisfactory in accordance with the requirements of API 624, Second Edition, February 2023, including Annexure D.

Manufacturer :	KALIKA ENGINEERING WORKS
Address :	63, Parashvnath Industrial Estate, Chhatral, Gujarat (India)
Location of Test :	Aditya High Vacuum Pvt. Ltd., Plot No.218 & 219, Road 2, GIDC Kathwada, Ahmedabad 382430, India.

Product :	Valve Details:	20mm 800# Gate Valve SW		
	Design Standard:	API 602 / ISO 15761 / API 598 / ASME 16.34		
Packing :	SEAL-IT, NEW EMPIRE GASKETS			
Body Material :	ASTM A 105			
Bonnet Material :	ASTM A 105			
Stem Material :	ASTM A479 TP.410 + STL			
Drawing No.:	KALIKA-IOCL-A14-00001 Rev.2			
Test Fluid :	Methane (>97 % Purity)			
Test Pressure :	At Ambient – 41.4 barG			
	At 260°C – 41.4 barG		At 400°C – 200 psiG (Nitrogen)	
Test Temperature :	At Ambient and 260°C For Normal Temperature Test		At Ambient and 400°C For High Temperature Test	
Mechanical Cycle :	310 Cycles over 3 Thermal Cycles For Normal Temperature Test		11 Cycles in ambient and 1 Thermal Cycle For High Temperature Test	
Maximum Leakage :	42.4 ppmv	Normal Temperature Test	57.5 ppmv	High Temperature Test
Average Leakage :	21.8 ppmv		31.4 ppmv	
Acceptance Criteria :	< 100 ppmv maximum			
Test Result :	PASS			
Test Report No :	AHV/SD/FET/202505/			11
Test Start Date :	May 15, 2025			
Test End Date :	May 19, 2025			

Valve Qualified : All valves of the same basic design as the test valve may be deemed to have been type tested, subject to the following additional limitation. The NPS 3/4" Class 800 test valve qualifies all valves from NPS 1" and smaller in pressure class up to and including 800#.

Test Conducted by	Test Witnessed By
 Venkat N. Ramani ASNT Level III (LT) 183918	 INSPECTION 52-265

