

# TEST WITNESS REPORT

Report. No: E-KX-O/25/10526148/12254-E

## GLOBAL VALVES AND FITTINGS (INDIA) PRIVATE LIMITED

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All inspection activities were performed, and test were witnessed. Records were maintained through Performance Test Reports: GVF IPL-PTR-05.

DNV Surveyors visited the facility and performed inspection witness, upon request of the above manufacturer, Instrumentation Valves & Manifolds, between April 2025 to 26<sup>th</sup> July 2025, for witnessing the "Performance Test, PMI, Hydro Test & Burst Test", mentioned below, conducted on undermentioned sizes of Various Types of Valves mentioned in the Annexure -1 at the end of this report.

TEST PARAMETERS USED FOR ABOVE VALVES ARE AS GIVEN BELOW		
Sr. No.	Test Parameters	
1	Test Temperatures During Testing: 15° C to 35° C	
2	Test Pressure Retained within $\pm$ 5% PSIG	
3	Test Medium; Demineralised Water	
4	Mechanical Test carried out at NABL Approved Lab	Quantity Selected: 03 Nos for each size as per Clause 5.5 & 5.6 of MSS SP 99 [2023]

FOLLOWING TESTS WERE CONDUCTED AS PER MSS SP 99 [2023]		
Sr No	Activities Carried Out	References [MSS-SP-99-2023]
1	Selection of Test Samples: Witnessed	Final Inspection Report – F/QA/04
2	Positive Material Identification	PMI Test witness as per 92/PMI/2025-2026
3	Material Properties: MTC's Reviewed	MTC's as per Clause 3 to 4
4	Hydrostatic Proof Test: Witnessed	Final Inspection Report – F/QA/04: Reference Clause No. 5.5
5	Burst Test: Witnessed	Final Inspection Report – F/QA/04: Reference Clause No. 5.6 & 5.7

### **CONCLUSIONS:**

1. Results of all the Tests Performed were found to be Satisfactory, in line with MSS SP 99 [2023].
2. The details of applicable test pressures with reference to various tests mentioned above have been reviewed and endorsed by DNV [Oil & Gas].
3. The above-mentioned Valves meet the requirements of MSS SP 99 [2023], with reference to Mandatory Tests mentioned in the Specifications and conducted herein.

**Annexure – 1 - Model Numbers and Sizes of Valves Selected for Testing  
(Samples Selected - 03 Nos for each size as per Clause 5.5 & 5.6 of MSS SP 99 [2023])**

<b>SR No.</b>	<b>Item Description</b>	<b>Model No.</b>
1	Needle Valve High Pressure (FXF) 10,000/PSIG	GV-51-NVH-4N-FF-10K
2		GV-51-NVH-6N-FF-10K
3		GV-51-NVH-8N-FF-10K
4		GV-51-NVH-12N-FF-10K
5		GV-51-NVH-16N-FF-10K
6	Needle Valve High Pressure (MXF) 10,000/PSIG	GV-52-NVH-4N-MF-10K
7		GV-52-NVH-6N-MF-10K
8		GV-52-NVH-8N-MF-10K
9		GV-52-NVH-12N-MF-10K
10		GV-52-NVH-16N-MF-10K
11	3 Way Needle Valve High Pressure (FXFXF) 10,000/PSIG	GV-64-NVH-3W-4N-FFF-10K
12		GV-64-NVH-3W-6N-FFF-10K
13		GV-64-NVH-3W-8N-FFF-10K
14		GV-64-NVH-3W-12N-FFF-10K
15		GV-64-NVH-3W-16N-FFF-10K
16	High Pressure Multi-Port Gauge Valves 1/2" NPT (MXF) 10,000/PSIG	GV-101-MPVH-8N-MF-10K
17	High Pressure Single Block & Bleed Valves 1/2" NPT (MXF) 10,000/PSIG	GV-109-SBBH-8N-MF-10K
18	High Pressure Double Block & Bleed Valve 1/2" NPT (MXF) 10,000/PSIG	GV-110-DBBH-8N-MF-10K
19	Check Valve NPT (FXF) 10,000/PSIG	GV-142-CV-4N-FF-10K
20		GV-142-CV-6N-FF-10K
21		GV-142-CV-8N-FF-10K
22		GV-142-CV-12N-FF-10K
23		GV-142-CV-16N-FF-10K
24	High Pressure Ball Valve NPT (FXF) 10,000/PSIG	GV-152-H-BV-4N-FF-10K
25		GV-152-H-BV-6N-FF-10K
26		GV-152-H-BV-8N-FF-10K
27		GV-152-H-BV-12N-FF-10K
28		GV-152-H-BV-16N-FF-10K
29		GV-152-H-BV-32N-FF-10K
30	High Pressure Relief Valve NPT (MXF) 10,000/PSIG	GV-461-HPRV-SG3-4N-MF-10K
31		GV-461-HPRV-SG3-6N-MF-10K
32		GV-461-HPRV-SG3-8N-MF-10K
33	High Pressure Relief Valve OD x OD 10,000/PSIG	GV-465-HPRV-SG3-4T-10K
34		GV-465-HPRV-SG3-6T-10K
35		GV-465-HPRV-SG3-8T-10K

DNV Project No: 10526148 Place of Issue: Pune Location of Test: Mumbai Works Date of Issue: 2025-08-18 Validity: 2028-08-18		Witnessed by Gaus Ibrahim Sindgi Senior Surveyor & Service Lead [PED] DNV GL [Oil & Gas]
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