

TEST WITNESS REPORT

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

GLOBAL VALVES AND FITTINGS (INDIA) PRIVATE LIMITED

Office: GLOBAL VALVES AND FITTINGS (INDIA) PRIVATE LIMITED B/9 (A/34), K.J.B. Compound, Opp. Nahar Amrit Shakti, Khairani Road, Sakinaka, Mumbai - 400072, INDIA	Works: GLOBAL VALVES AND FITTINGS (INDIA) PRIVATE LIMITED B/9 (A/34), K.J.B. Compound, Opp. Nahar Amrit Shakti, Khairani Road, Sakinaka, Mumbai - 400072, INDIA
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All inspection activities were performed, and test were witnessed. Records were maintained through Performance Test Reports: GVFIPL-PTR-02.

DNV Surveyors visited the facility and performed inspection witness, upon request of the above manufacturer, Instrumentation Valves & Manifolds, between April 2025 to 26th 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	Quantity Selected: 03 Nos for each size as per Clause 5.5 & 5.6 of MSS SP 99 [2023]
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	

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])**

SR No.	Item Description	Model No.
1	Multi-Port Gauge Valve 1/2"NPT (MXF) 6,000/PSIG	GV-101-MPV-8N-MF-6K
2	Single Block & Bleed Valve 1/2"NPT (MXF) 6,000/PSIG	GV-102-SBB-8N-MF-6K
3	Double Block & Bleed Valve 1/2"NPT (MXF) 6,000/PSIG	GV-103-DBB-8N-MF-6K
4	Two Valve (Three Way) 1/2"NPT (FXF) x with Drain 6,000/PSIG	GV-104-2VM-8N-FF-6K
5	2 Valve Manifold R-Type 1/2"NPT (FXF) x with Drain 6,000/PSIG	GV-105-2VMR-8N-FF-6K
6	2 Valve Manifold T-Type 1/2"NPT (F) x Flange with Drain 6,000/PSIG	GV-106-2VMT-8N-FFL-6K
7	3 Valve Manifold R-Type 1/2"NPT (FXF) x with Drain 6,000/PSIG	GV-111-3VMR-8N-FF-6K
8	3 Valve Manifold T-Type 1/2"NPT (F) x Flange with Drain 6,000/PSIG	GV-113-3VMT-8N-FFL-6K
9	3 Valve Manifold H-Type (Flange x Flange) with Drain 6,000/PSIG	GV-114-3VMH-FL-6K
10	5 Valve Manifold R-Type 1/2"NPT (FXF) x with Drain 6,000/PSIG	GV-121-5VMR-8N-FF-6K
12	5 Valve Manifold T-Type 1/2"NPT (F) Flange with Drain 6,000/PSIG	GV-123-5VMT-8N-FFL-6K

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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