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# ASSESSMENT REPORT

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**Report. No: E-KX-O//24//10526149//12231 Rev 0**

*This Statement consists of 7 pages*

*This is to state that the manufacturing of pressure equipment components*

## INSTRUMENTATION FITTINGS

*Manufactured by*

### **GLOBAL VALVES & FITTINGS [India] PVT LTD**

B/9, K.J.B. Compound, Opp Nahar Amrit Shakti, Khairani Road, Saki Naka  
Mumbai: 400072 [India]

*Is found to comply with the requirements applicable to it*

*The products have been assessed with respect to the requirements of Essential Safety Requirements, Annex I,  
Clause 3, in the Pressure Equipment Directive 2014/68/EU*

*Further details are given overleaf.*

*Place and Date*  
**Pune: 2024-10-27**

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*Certificate is valid until*  
**2027-10-26**

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Gaus Ibrahim Sindgi  
[PED Lead Auditor & ASME-AI]  
DNV MES India Pvt Ltd



**Jurisdiction**

**Application of Directive 2014/68/EU [Pressure Equipment Directive]**

**Statement history**

Revision	Description	Issue Date
0	Final issue	2024-10-27

**Products covered by this Statement:**

Type of Tube & Pipe Fittings & Model Nos	Available Sizes	Pressure Ratings
Front Ferule [Model No: GV-1-FF]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Back Ferule [Model No: GV-2-BF]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Nut [Model No: GV-3-N]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Male Connector [Model No. GV-4-MC]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Female Connector [Model No. GV-5-FC]	Tube OD 1/16" to 2" [3mm to 38 mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Union [Model No: GV-6-U]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Reducing Union [Model No: GV-7-RU]	Tube OD 1/16" to 2" [6mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Bulkhead Male Connector [Model No: GV-8-BMC]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Bulkhead Female Connector [Model No. GV-9-BFC]	Tube OD 1/8" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Bulkhead Union [Model No. GV-10-BU]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Bulkhead Reducing Union [Model No. GV-11-BRU]	Tube OD 1/16" to 1/2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Tube Closure [Model No. GV-12-TC]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Fitting Closure [Model No. GV-13-TP]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Union Elbow [Model No. GV-14-UE]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Male Elbow [Model No. GV-15-ME]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Female Elbow [Model No. GV-16-FE]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Male Adapter [Model No. GV-17-MA]	Tube OD 1/8" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Union Cross [Model No. GV-18-UC]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Union Tee [Model No. GV-19-UT]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Reducing Union Tee [Model No. GV-20-RUT]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Bulkhead Elbow [Model No. GV-21-BE]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]

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Male Run Tee [Model No. GV-22-MRT]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Male Branch Tee [Model No. GV-23-MBT]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Female Run Tee [Model No. GV-24-FRT]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Female Branch Tee [Model No. GV-25-FBT]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Reducer [Model No. GV-26-R]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Female Adapter [Model No. GV-27-FA]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Port Connector [Model No. GV-28-PC]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Reducing Port Connector [Model No. GV-29-RPC]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Bulkhead Reducer [Model No. GV-30-BR]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
JIC Male Connector [Model No. GV-31-JMC]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Weld Pipe Female Connector [Model No. GV-32-WFC]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Weld Pipe Male Connector [Model No. GV-33-WMC]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Hydraulic Male Connector [Model No. GV-34-HMC]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Position able Male Elbow [Model No. GV-35-PME]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
45 Deg. Male Elbow [Model No. GV-36-ME45]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Position able Male Run Tee [Model No. GV-37-PMRT]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Position able Male Branch Tee [Model No. GV-38-PMBT]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Hose Nozzle Tube X Hose [Model No. GV-39-THN]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Vent Protector Tube End Closure [Model No. GV-40-VP]	Tube OD 1/16" to 2" [3mm to 38mm]	3000 PSI [206 Bar] 6000 PSI [413 Bar]
Plug [Model No. GV-201-P]	1/8" to 2" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Bushing [Model No. GV-202-B]	1/8" to 2" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Nipple [Model No. GV-203-N]	1/8" to 2" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Cap [Model No. GV-204-C]	1/8" to 2" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Hex Coupling [Model No. GV-205-CU]	1/8" to 2" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Adaptor [Model No. GV-206-A]	1/8" to 2" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Male Elbow [Model No. GV-207-ME]	1/8" to 1" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)

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Female Elbow [Model No. GV-208-FE]	1/8" to 1" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Street Elbow [Model No. GV-209-SE]	1/4" to 1" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Male Tee [Model No. GV-210-MT]	1/8" to 1" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Female Tee [Model No. GV-211-FT]	1/8" to 1" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Female Cross [Model No. GV-212-FC]	1/8" to 1" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Street Tee [Model No. GV-213-ST]	1/8" to 1" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Branch Tee [Model No. GV-214-BT]	1/8" to 1" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Round Coupling [Model No. GV-215-RC]	1/4" to 2" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Allen Plug [Model No. GV-216-AP]	1/4" to 2" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Hose Nozzle [Model No. GV-217-HN]	1/4" to 2" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Male Hose Nozzle [Model No. GV-218-MHN]	1/4" to 2" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Female Hose Nozzle [Model No. GV-219-FHN]	1/4" to 2" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
Vent Protector [Model No. GV-220-VP]	1/4" to 2" NPT	6000 PSI (3K & 6K) 10000 PSI (10K) 15000 PSI (15K)
<b>37 Flare Tube Fitting</b>	-----	-----
Union [Model No. GV-301F-U]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Bulkhead Union [Model No. GV-302F-BU]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Reducing Union [Model No. GV-303F-RU]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Male Connector [Model No. GV-304F-MC]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Male Connector [Model No. GV-305F-MCU]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Female Connector [Model No. GV-306F-FC]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Union Elbow [Model No. GV-307F-UE]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Bulkhead Elbow [Model No. GV-308F-BE]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Male Elbow [Model No. GV-309F-ME]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Male Elbow UNF [Model No. GV-310F-MEU]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)

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45 Deg. Bulkhead Elbow [Model No. GV-311F-ABE]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
45 Deg. Male Elbow [Model No. GV-312F-AME]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
45 Deg. Male Elbow UNF [Model No. GV-313F-AMEU]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Female Elbow [Model No. GV-314F-FE]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Union Tee [Model No. GV-315F-UT]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Bulkhead Run Tee [Model No. GV-316F-BRT]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Male Run Tee [Model No. GV-317F-MRT]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Male Run Tee UNF [Model No. GV-318F-MRTU]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Female Run Tee [Model No. GV-319F-FRT]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Union Cross [Model No. GV-320F-UC]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Pipe End Closure [Model No. GV-321F-TC]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Fitting End Closure [Model No. GV-322F-TP]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Nuts [Model No. GV-323F-N]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
Sleeves [Model No. GV-324F-S]	1/8" to 2" OD 3mm to 50mm	6000 PSI (6K) 10000 PSI (10K)
<b>Forged Pipe Fitting</b>	----	----
ROUND ELBOW - NPT [Model No. GV-401-EL]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
ROUND ELBOW - SW [Model No. GV-402-EL]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
ROUND TEE - NPT [Model No. GV-403-FT]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
ROUND TEE - SW [Model No. GV-404-FT]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
ROUND CROSS -NPT [Model No. GV-405-FC]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
ROUND CROSS -SW [Model No. GV-406-FC]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
ROUND COUPLING – NPT [Model No. GV-407-RC]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
ROUND COUPLING - SW [Model No. GV-408-RC]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
HALF ROUND COUPLING - NPT [Model No. GV-409-HC]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
HALF ROUND COUPLING - SW [Model No. GV-410-HC]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)

CAP - NPT [Model No. GV-411-C]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
CAP - SW [Model No. GV-412-C]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
BOSS - NPT [Model No. GV-413-B]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
BOSS - SW [Model No. GV-414-B]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
BOSS - SW [Model No. GV-414-B]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
COUPLET - NPT [Model No. GV-415-CO]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
COUPLET - SW [Model No. GV-416-CO]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
3PC UNION - NPT [Model No. GV-417-3PC-U]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
3PC UNION - SW [Model No. GV-418-3PC-U]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
ROUND ELBOW 45 DEG. - NPT [Model No. GV-419-EL]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
ROUND ELBOW 45 DEG. - SW [Model No. GV-420-EL]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
BARREL NIPPLE - NPT [Model No. GV-421-BN]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
BARREL NIPPLE – NPT - BW [Model No. GV-422-BN]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
SWAGE NIPPLE [Model No. GV-423-SN]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
VERTICAL INSERT - NPT [Model No. GV-424-VI]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)
VERTICAL INSERT - SW [Model No. GV-425-VI]	1/4" to 2" NB	3000# (210 Bar) 6000# (413 Bar) 9000# (620 Bar)

**Applications/Limitations:**

- **Components shall not bear CE Marking, and the Manufacturer shall not draw a Declaration of Conformity according to Pressure Equipment Directive 2014/68/EU, according to Article 4, Para 3, of PED 2014/68/EU. However, a Declaration for SEP as per Article 4, Para 3, may be drawn up.**
- **Manufacturer shall give affirmation of compliance with the technical order specification.**

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**Applied Standards:**

ASME B 31.3, ASME B 16.11, ASTM A-276, SA-479 [SS-316 & SS-304], ASTM-A-182, ASTM-B-473, SB-462 [Alloy-20], ASTM-B164, SB-564 [Alloy-400], ASTM-B-574 [Aloy-C276], ASTM-A-108 & ASTM-A-105

**Sites Covered:**

**GLOBAL VALVES AND FITTINGS [India] PVT LTD**

B/9, K.J.B. Compound,  
Opp Nahar Amrit Shakti,  
Khairani Road, Saki Naka  
Mumbai: 400072 [India]

**Documents Referred:**

1. TCF Reference No.: GVFIPL//TCF//SEP//Valves & Fittings//00 Rev 0 Dated 12<sup>th</sup> October 2024
2. Products Catalogue
3. Product Specifications [Included in the Product Catalogue]
4. Design Methodology
5. GA Drawing Nos: All Dimensions Specified in the Product Catalogue
6. Essential Safety Requirements [Check List]
7. Risk Assessment Report
8. Quality Assurance Plan [QAP]
9. Set of Sample Documents as per QAP
10. Marking [Name Plate]
11. Instructions & Operations Manual [IOM]
12. ISO 9001-2015 Certificate
13. ISO 9001-2015 Quality System Manual [Integrated Management System]
14. ISO Procedures
15. Shop Operating Procedures [SOP's]

**Terms and Conditions:**

The Assessment Report is subject to following terms and conditions:

- Product Liability rests with the Manufacturer. In case of damages caused by defective products, Directive 85/374/EEC, as amended, will apply.
- The Technical Construction File (TCF) is reviewed only for the equipments listed above. Equipment design review is optional and not covered under DNV MES India Pvt Ltd Assessment. For other equipment and ranges, an application for extension of statement must be sent to local DNV MES India Pvt Ltd Office
- Before the above described equipments are placed on the market and/or put into use, the manufacturer shall ensure that all relevant Directives are complied with.
- All Bought Out equipments/components shall comply with the applicable EU Directive

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**END OF THE STATEMENT**  
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