
ASSESSMENT REPORT

Report. No: E-KX-O//24//10526149//12232 Rev 0

This Statement consists of 7 pages

This is to state that the manufacturing of pressure equipment components

PRESSURE ACCESSORIES

[Instrumentation Needle Valves, Ball Valves, 2 Way, 3 Way & 5 Way Manifolds, etc.]

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 1,
Clause 3, in the Pressure Equipment Directive 2014/68/EU*

Further details are given overleaf

Place and Date

Pune: 2024-10-27

Certificate is valid until

2027-10-26

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

Type of Valves & Model Nos	Available Sizes	Pressure Ratings [Maximum Working Pressure]
Needle Valves Screwed Bonnet Design [Female x Female] [Model No. GV-51-NV]	1/4" NPT to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Needle Valves Screwed Bonnet Design [Female x Female] [Model No. GV-51-NVH]	1/4" NPT to 1" NPT	10000 psi (690bar) at 100°F (38°C) 15000 psi (1034bar) at 100°F (38°C)
Needle Valves Screwed Bonnet Design [Male x Female] [Model No. GV-52-NV]	1/4" NPT to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Needle Valves Screwed Bonnet Design [Male x Female] [Model No. GV-52-NVH]	1/4" NPT to 1" NPT	10000 psi (690bar) at 100°F (38°C) 15000 psi (1034bar) at 100°F (38°C)
Panel Mount Needle Valves Screwed Ends [Female x Female] [Model No. GV-53-PNV]	1/4" NPT to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Panel Mount Needle Valves Screwed Ends [Female x Female] [Model No. GV-53-PNVH]	1/4" NPT to 1" NPT	10000 psi (690bar) at 100°F (38°C) 15000 psi (1034bar) at 100°F (38°C)
Needle Valves Integral Bonnet Double Ferrule Tube Ends [Tube x Tube] [Model No. GV-54-PNV]	1/4" OD to 1" OD	6000 psi (414bar) at 100°F (38°C)
Needle Valves Screwed Bonnet Design [Male x Male] [Model No. GV-55-NV]	1/4" NPT to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Needle Valves Screwed Bonnet Design [Male x Male] [Model No. GV-55-NVH]	1/4" NPT to 1" NPT	10000 psi (690bar) at 100°F (38°C) 15000 psi (1034bar) at 100°F (38°C)
Angle Needle Valves Screwed Bonnet Design [Model No. GV-56-ANV]	1/4" NPT to 1/2" NPT	6000 psi (414bar) at 100°F (38°C)
Needle Valves Single Bonnet and Double Bonnet Design [Female x Female] [Model No. GV-57-NV]	1/4" NPT to 1" NPT	3000 psi (207 bar) at 100°F (38°C) 6000 psi (414bar) at 100°F (38°C)
Needle Valves Single Bonnet and Double Bonnet Design [Male x Female] [Model No. GV-58-NV]	1/4" NPT to 1" NPT	3000 psi (207 bar) at 100°F (38°C) 6000 psi (414bar) at 100°F (38°C)
Needle Valves Union Bonnet Double Ferrule Tube Ends [Tube x Tube] [Model No. GV-59-UB-NV]	1/4" OD to 1" OD	6000 psi (414bar) at 100°F (38°C)
Needle Valves Union Bonnet [Female x Female] [Model No. GV-60-UB-NV]	1/4" NPT to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Needle Valves Union Bonnet [Male x Male] [Model No. GV-61-UB-NV]	1/4" NPT to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Needle Valves [OD x Female] [Model No. GV-62- NV]	1/4" OD to 1" OD 1/4" NPT to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Needle Valves [OD x Male] [Model No. GV-63- NV]	1/4" OD to 1" OD 1/4" NPT to 1" NPT	6000 psi (414bar) at 100°F (38°C)
3 Way Needle Valves [Female x Female] [Model No. GV-64- NVH]	1/4" NPT to 1" NPT	10000 psi (690bar) at 100°F (38°C) 15000 psi (1034bar) at 100°F (38°C)
3 Way Needle Valves Double Ferrule Tube Ends [Tube x Tube] [Model No. GV-65- NVH]	1/4" OD to 1" OD	10000 psi (690bar) at 100°F (38°C) 15000 psi (1034bar) at 100°F (38°C)
3 Way Needle Valves [Male x Male] [Model No. GV-66ss- NVH]	1/4" NPT to 1" NPT	10000 psi (690bar) at 100°F (38°C) 15000 psi (1034bar) at 100°F (38°C)
Multi-Port Gauge Valves [Model No. GV-101-MPV]	1/4" NPT to 3/4" NPT	6000 psi (414bar) at 100°F (38°C)

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Single Block & Bleed Gauge Valves [Model No. GV-102 SBB]	1/2" NPT to 3/4" NPT	6000 psi (414bar) at 100°F (38°C) 10000 psi (690bar) at 100°F (38°C)
Double Block & Bleed Gauge Valves [Model No. GV-103 DBB]	1/2" NPT to 3/4" NPT	6000 psi (414bar) at 100°F (38°C)
Two Valve (Three-Way) Manifold for Pressure Instruments [Model No. GV-104-2VM]	1/2" NPT to 3/4" NPT	6000 psi (414bar) at 100°F (38°C)
Two Valve Manifold Remote Mount (Pipe x Pipe) [Model No. GV-105-2VMR]	1/2" NPT to 3/4" NPT	6000 psi (414bar) at 100°F (38°C)
Two Valve Manifold "T" Type for Pressure Instruments (Pipe x Flange) [Model No. GV-106-2VMT]	1/2" NPT to 3/4" NPT	6000 psi (414bar) at 100°F (38°C) 10000 psi (690bar) at 100°F (38°C)
Two Valve Manifold Remote Mount (Pipe x Pipe) [Model No. GV-107-2VMR2]	1/2" NPT to 3/4" NPT	6000 psi (414bar) at 100°F (38°C)
Two Valve Manifold Remote Mount (Pipe x Pipe) [Model No. GV-107-2VMR2]	1/2" NPT to 3/4" NPT	6000 psi (414bar) at 100°F (38°C)
Three Valve Manifold Remote Mount (Pipe x Pipe) [Model No. GV-111-3VMR]	1/4" NPT to 1/2" NPT	6000 psi (414bar) at 100°F (38°C)
Three Valve Manifold Bar Type Direct Mount (Pipe x Flange) [Model No. GV-112-3VM-DM]	1/4" NPT	6000 psi (414bar) at 100°F (38°C)
Three Valve Manifold Direct Mount T Type (Pipe x Flange) [Model No. GV-113-3VMT]	Flanged Type as per IEC 61518-A, IEC 61518-B or Co-planar-Maximum Size: 1" [25mm]	6000 psi (414bar) at 100°F (38°C) 10000 psi (690bar) at 100°F (38°C)
Three Valve Manifold Direct Mount H Type (Flange x Flange) [Model No. GV-114-3VMH]	Flanged Type as per IEC 61518-A, IEC 61518-B or Co-planar- Maximum Size: 1" [25mm]	6000 psi (414bar) at 100°F (38°C)
Coplanar Mounting Three Valve Manifold with Drain Plugs (Pipe x Flange) [Model No. GV-115-3VMC]	1/4" NPT	6000 psi (414bar) at 100°F (38°C)
Five Valve Manifold Remote Mount (Pipe x Pipe) [Model No. GV-121-5VMR]	1/4" NPT to 1/2" NPT	6000 psi (414bar) at 100°F (38°C)
Five Valve Manifold Bar Type Direct Mount (Pipe x Flange) [Model No. GV-122-5VM-DM]	1/4" NPT	6000 psi (414bar) at 100°F (38°C)
Five Valve Manifold, Direct Mount T Type (Pipe x Flange) [Model No. GV-123-5VMT]	Flanged Type as per IEC 61518-A, IEC 61518-B or Co-planar- Maximum Size: 1" [25mm]	6000 psi (414bar) at 100°F (38°C) 10000 psi (690bar) at 100°F (38°C)
Five Valve Manifold Direct Mount H Type (Flange x Flange) [Model No. GV-124-5VMH]	Flanged Type as per IEC 61518-A, IEC 61518-B or Co-planar- Maximum Size: 1" [25mm]	6000 psi (414bar) at 100°F (38°C)
Five Valve Manifold Coplanar Mount (Pipe x Flange) [Model No. GV-125-5VMC]	1/4" NPT	6000 psi (414bar) at 100°F (38°C)
Mono-Flange Single Isolation Valve [Model No. GV-131-M]	1/2" to 1"	150# to 2500#
Mono-Flange Single Isolation Valve (OS & Y Type) [Model No. GV-131-MK]	1/2" to 1"	150# to 2500#
Mono-Flange Single Block & Bleed Valve [Model No. GV-132-M-B&B]	1/2" to 1"	150# to 2500#
Mono-Flange Single Block & Bleed Valve (OS & Y Type) [Model No. GV-132-M-B&B]	1/2" to 1"	150# to 2500#
Mono-Flange DBB Valves [Model No. GV-133-M-DBB]	1/2" to 1"	150# to 2500#
Mono-Flange DBB Valves (OS & Y Type) [Model No. GV-133-MK-DBB]	1/2" to 1"	150# to 2500#
Key Block DBB Valves (Needle Type) [Model No. GV-134-MKB-DBB]	1/2" to 1"	150# to 2500#
Key Block DBB Valves (Ball Type) [Model No. GV-135-MKB-DBB]	1/2" to 1"	150# to 2500#

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Double Block & Bleed Monoflange Valves (Female X Female) – Ball Type [Model No. GV-136-MKB-DBB-BV-FF]	1/4” to 1” NPT	6000 psi (414bar) at 100°F (38°C) 10000 psi (690bar) at 100°F (38°C)
Double Block & Bleed Mono flange Valves (Male X Female) – Ball Type [Model No. GV-137-MKB-DBB-BV-MF]	1/4” to 1” NPT	6000 psi (414bar) at 100°F (38°C) 10000 psi (690bar) at 100°F (38°C)
Double Block & Bleed Mono flange Valve (Needle Type) – Female X Female [Model No. GV-138-M-DBB-NV-FF]	1/4” to 1” NPT	6000 psi (414bar) at 100°F (38°C) 10000 psi (690bar) at 100°F (38°C)
Double Block & Bleed Monoflange Valve (Needle Type) – Male X Male [Model No. GV-139-M-DBB-NV-FF]	1/4” to 1” NPT	6000 psi (414bar) at 100°F (38°C) 10000 psi (690bar) at 100°F (38°C)
Single Block & Bleed Monoflange Valve (Needle Type) Male X Female [Model No. GV-139-M-DBB-NV-FF]	1/4” to 1” NPT	6000 psi (414bar) at 100°F (38°C) 10000 psi (690bar) at 100°F (38°C)
Check Valve (Female x Female) 6K [Model No. GV-141-CV-FXF-6K]	1/4” to 1” NPT	6000 psi (414bar) at 100°F (38°C)
Check Valve (Female x Female) 10K [Model No. GV-142-CV-10K]	1/4” to 1” NPT	10000psi (690bar) at 100°F (38°C)
Check Valve Double Ferrule Tube Ends [Tube x Tube] [Model No. GV-143-CV (OD X OD) 6K]	1/8” to 1” OD 3mm to 25mm	6000 psi (414bar) at 100°F (38°C)
Check Valve (Female x Female) 3K [Model No. GV-144-CV -FXF Hex Body]	1/4” to 1” BSP	3000 psi (207 bar) at 100°F (38°C)
Check Valve (Male x Female) [Model No. GV-146-CV-MXF]	1/4” to 1” NPT	6000 psi (414bar) at 100°F (38°C)
Check Valve (Male x Male) [Model No. GV-147-CV-MXM-6K]	1/4” to 1” NPT	6000 psi (414bar) at 100°F (38°C)
Check Valve (Male x Male) [Model No. GV-148-CV-MXM-3K]	1/4” to 1” NPT	3000 psi (206bar) at 100°F (38°C)
Check Valve (Male x Female) [Model No. GV-149-CV-MXF-10K]	1/4” to 1” NPT	10000 psi (690bar) at 100°F (38°C)
Check Valve (Male x Male) [Model No. GV-150-CV-MXM-10K]	1/4” to 1” NPT	10000 psi (690bar) at 100°F (38°C)
Round Body Ball Valve [Model No. GV-151-BV]	1/4” to 1” NPT [F]	3000 psi (206 bar) at 100°F (38°C)
High Pressure Ball Valve [Model No. GV-152-H-BV]	1/4” to 1” NPT [F]	10000 psi (690bar) at 100°F (38°C)
Mini Ball Valve [Model No. GV-153-M-BV]	1/4” to 1” NPT [F]	2000 psi (137bar) at 100°F (38°C)
Panel Mount Ball Valve [Model No. GV-154-P-BV]	1/4” to 1” NPT [F]	3000 psi (206 bar) at 38°C
2 Way Ball Valve - Double Ferrule Tube Ends [Tube x Tube] [Model No. GV-155-BV-2W]	1/8” to 1” OD	3000 psi (206 bar) at 38°C
3 Way Ball Valve - Double Ferrule Tube Ends [Tube x NPT] [Model No. GV-156-BV-3W]	1/8” to 1” OD/ 1/4” to 1” NPT [F]	3000 psi (206 bar) at 38°C
5 Way Ball Valve - Double Ferrule Tube Ends [Tube x NPT] [Model No. GV-157-BV-5W]	1/8” to 1” OD/ 1/4” to 1” NPT [F]	3000 psi (206 bar) at 38°C
Square Ball Valve – [Female X Female] [Model No. GV-158-S-BV]	1/4” to 1” NPT [F]	3000 psi (206 bar) at 38°C
High Pressure Ball Valve – [Female X Female] [Model No. GV-159-H-BV]	1/4” to 1” NPT [F]	(500 bar) at 38°C
High Pressure Ball Valve 3 Way – [Female X Female] [Model No. GV-160-H-BV-3W]	1/4” to 1” NPT [F]	(500 bar) at 38°C

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Square Body Ball Valve (M x F) [Model No. GV-161-S-BV]	1/4" to 1" NPT [F]	6000 psi (414bar) at 100°F (38°C)
Square Body Ball Valve (M x M) [Model No. GV-162-S-BV]	1/4" to 1" NPT [F]	6000 psi (414bar) at 100°F (38°C)
High Pressure Ball Valve (M x F) [Model No. GV-163-H-BV]	1/4" to 1" NPT [F]	10000 psi (690bar) at 100°F (38°C)
High Pressure Ball Valve (M x M) [Model No. GV-164-H-BV]	1/4" to 1" NPT [F]	10000 psi (690bar) at 100°F (38°C)
Square Body Ball Valve Double Ferrule Tube Ends [Tube x Tube] [Model No. GV-165-S-BV]	1/8" to 1" OD	6000 psi (414bar) at 100°F (38°C)
Single Piece Ball Valve Double Ferrule Tube Ends [Tube x Tube] [Model No. GV-166-S-BV]	1/8" to 1" OD	3000 psi (206bar) at 100°F (38°C)
2 Way Ball Valve Double Ferrule Tube Ends [Tube x Tube] [Model No. GV-167-S-BV-2W]	1/8" to 1" OD	6000 psi (414bar) at 100°F (38°C)
Single Piece Ball Valve [F x F] [Model No. GV-168-S-BV]	1/4" to 1" NPT [F]	3000 psi (206bar) at 100°F (38°C)
2 Way Ball Valve [F x F] [Model No. GV-169-S-BV-2W]	1/4" to 1" NPT [F]	6000 psi (414bar) at 100°F (38°C)
3 Way Ball Valve Double Ferrule Tube Ends [Tube x Tube] [Model No. GV-170-S-BV-3W]	1/8" to 1" OD	6000 psi (414bar) at 100°F (38°C) 10000 psi (690bar) at 100°F (38°C)
3 Way Ball Valve [F x F] [Model No. GV-171-S-BV-3W]	1/4" to 1" NPT [F]	6000 psi (414bar) at 100°F (38°C)
Pressure Relief Valve (Male x Female) [0-50 Bar] [Model No. GV-461-PRV-SG1]	1/4" to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Pressure Relief Valve (Male x Female) [50-400 Bar] [Model No. GV-461-PRV-SG2]	1/4" to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Pressure Relief Valve (Male x Female) [400-650 Bar] [Model No. GV-461-HPRV-SG3]	1/4" to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Pressure Relief Valve (Female x Female) [0-50 Bar] [Model No. GV-462-PRV-SG1]	1/4" to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Pressure Relief Valve (Female x Female) [50-400 Bar] [Model No. GV-462-PRV-SG2]	1/4" to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Pressure Relief Valve (Female x Female) [400-650 Bar] [Model No. GV-462-HPRV-SG3]	1/4" to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Pressure Relief Valve (M X OD) [0-50 Bar] [Model No. GV-463-PRV-SG1]	1/8" to 1" OD 1/4" to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Pressure Relief Valve (M X OD) [50-400 Bar] [Model No. GV-463-PRV-SG2]	1/8" to 1" OD 1/4" to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Pressure Relief Valve (M X OD) [400-650 Bar] [Model No. GV-463-HPRV-SG3]	1/8" to 1" OD 1/4" to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Pressure Relief Valve (F X OD) [0-50 Bar] [Model No. GV-464-PRV-SG1]	1/8" to 1" OD 1/4" to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Pressure Relief Valve (F X OD) [50-400 Bar] [Model No. GV-464-PRV-SG2]	1/8" to 1" OD 1/4" to 1" NPT	6000 psi (414bar) at 100°F (38°C)
Pressure Relief Valve (F X OD) [400-650 Bar] [Model No. GV-464-HPRV-SG3]	1/8" to 1" OD 1/4" to 1" NPT	6000 psi (414bar) at 100°F (38°C)

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Pressure Relief Valve (OD X OD) [0-50 Bar] [Model No. GV-465-PRV-SG1]	1/8" to 1" OD	6000 psi (414bar) at 100°F (38°C)
Pressure Relief Valve (OD X OD) [50-400 Bar] [Model No. GV-465-PRV-SG2]	1/8" to 1" OD	6000 psi (414bar) at 100°F (38°C)
Pressure Relief Valve (OD X OD) [400-650 Bar] [Model No. GV-465-PRV-SG3]	1/8" to 1" OD	10000 psi (690bar) at 100°F (38°C)
Pressure Relief Valve (M X F) [650-1000 Bar] [Model No. GV-466-HPRV-SG4]	1/4" to 1" NPT	15000 psi (1034bar) at 100°F (38°C)
Pressure Relief Valve (M X M) [650-1000 Bar] [Model No. GV-467-HPRV-SG4]	1/4" to 1" NPT	15000 psi (1034bar) at 100°F (38°C)

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**
- **Manufacturer shall give affirmation of compliance with the technical order specification.**

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 [Alloy-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.: PEI//TCF//SEP//Valves & Fittings//001-Rev 0 Dated 2024-06-15.
2. Products Catalogue
3. Product Specifications [Refer Product Catalogue]
4. Design Methodology
5. GA Drawing Nos: Refer Product Catalogue]
6. Risk Assessment Report
7. Quality Assurance Plan [QAP]
8. Set of Sample Documents as per QAP
9. Marking [Name Plate]
10. Instructions & Operations Manual [IOM]
11. ISO 9001-2015 Certificate
12. ISO 9001-2015 Quality System Manual [Integrated Management System]
13. ISO Procedures
14. 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 has to ensure that all relevant Directives are complied with.
- All Bought Out equipments/components shall comply with the applicable EU Directive.

END OF THE STATEMENT
