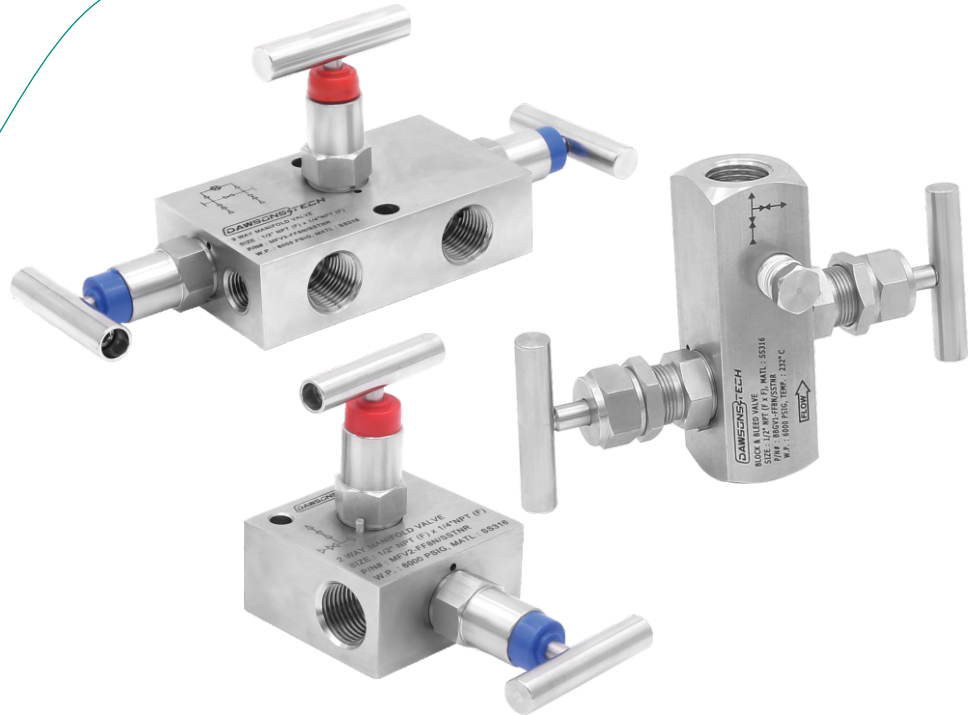


**DAWSONS-TECH<sup>®</sup>**

OVER 35 YEARS OF EXPERIENCE



CATALOGUE NO.  
**MFV-24**

**INSTRUMENTATION / CNG**  
**2 / 3 WAY MANIFOLD /**  
**BLOCK & BLEED VALVES**

[www.dawsonstech.com](http://www.dawsonstech.com)

**THE COMPANY :**

**DAWSONS-TECH®** is an ISO 9001:2015 certified manufacturing company offers wide range of **Consistent, Reliable and Superior Quality** High Pressure Instrumentation / CNG / Hydrogen Products used in Vehicles, Fueling Equipments like CNG Cascades, CNG Dispensers, Booster Compressors, Online Compressors, Decompression Skid, LCV Filling Post, Meter Regulation Skids, Pressure Regulation Skids, etc.




dedicated team of employees in place. This facilitate us to design and manufacture our product range under stringent quality checks and measurements that ensures **"A TOTAL CUSTOMER SATISFACTIONS"**.

**QUALITY :**

**DAWSONS-TECH®** pursues not only performance of its products but also ensures **"TOTAL QUALITY CONTROL MANAGEMENT SYSTEMS IN ACCORDANCE WITH ISO 9001:2015"** which is achieved by alerting and educating each and every employee, the importance of quality and by implementing the quality control procedures at every stage of production to final inspection from incoming raw material to finish products.

**MANUFACTURING :**

**DAWSONS-TECH®** established its comprehensive state of art manufacturing and testing facility installing various CNC Turning Centre and CNC Turnmill Centre, Vertical Machining Centre, etc. with the highly motivated and

 <b>OUR CAPABILITIES</b>	 <b>CERTIFICATIONS</b>	 <b>BENEFITS</b>
<ul style="list-style-type: none"> <li>• Over 35 Years of Experience</li> <li>• Excellent Technical Knowledge</li> <li>• Latest Design Equipment's &amp; Software</li> <li>• Modern Manufacturing Facilities</li> <li>• Highly Motivated Team of Employees</li> <li>• Excellent Inspection Facilities</li> <li>• Product Performance Testing Facilities</li> </ul>	<ul style="list-style-type: none"> <li>• ISO 9001-2015</li> <li>• ISO 14001-2015</li> <li>• ISO 45001-2018</li> <li>• PED 2014/68/EU</li> <li>• ASTM F1387-19</li> <li>• MSS SP-99-2016a</li> <li>• Helium Leak Test</li> <li>• Hydro Static Proof Test</li> <li>• Pneumatic Proof Test</li> </ul>	<ul style="list-style-type: none"> <li>• High Quality</li> <li>• Proven Design for Leak Free Connections</li> <li>• Effective Operations</li> <li>• High Efficiency</li> <li>• Prompt Reply</li> <li>• Maximum Flexibility</li> <li>• Maximum Safety in Operation</li> <li>• Substantial Cost Saving</li> </ul>








**RESEARCH & DEVELOPMENT :**

With our extensive experience, expertise and continues Research & Development with incorporation of advanced technology and high-tech cutting-edge machineries, **DAWSONS-TECH®** is committed to constant upgradation and expand its product range to meet the requirements of its customer to their entire satisfaction at every time.

**CUSTOMER SATISFACTION :**

We strive to achieve total customer satisfaction and continuously work to set higher goals to provide the reliable quality, timely delivery of our products and prompt services in the best interest of our customers with **Very Competitive Price**.

**OUR MISSION**

 <b>RESPONSIBILITY</b>	 <b>RELIABILITY</b>	 <b>ENVIRONMENTAL AWARENESS</b>	 <b>TECHNICAL EXPERTISE</b>	 <b>INNOVATIVE TECHNOLOGY</b>	 <b>DEVELOPMENT</b>	 <b>CUTTING EDGE SOLUTIONS</b>	 <b>TOTAL CUSTOMER SATISFACTION</b>
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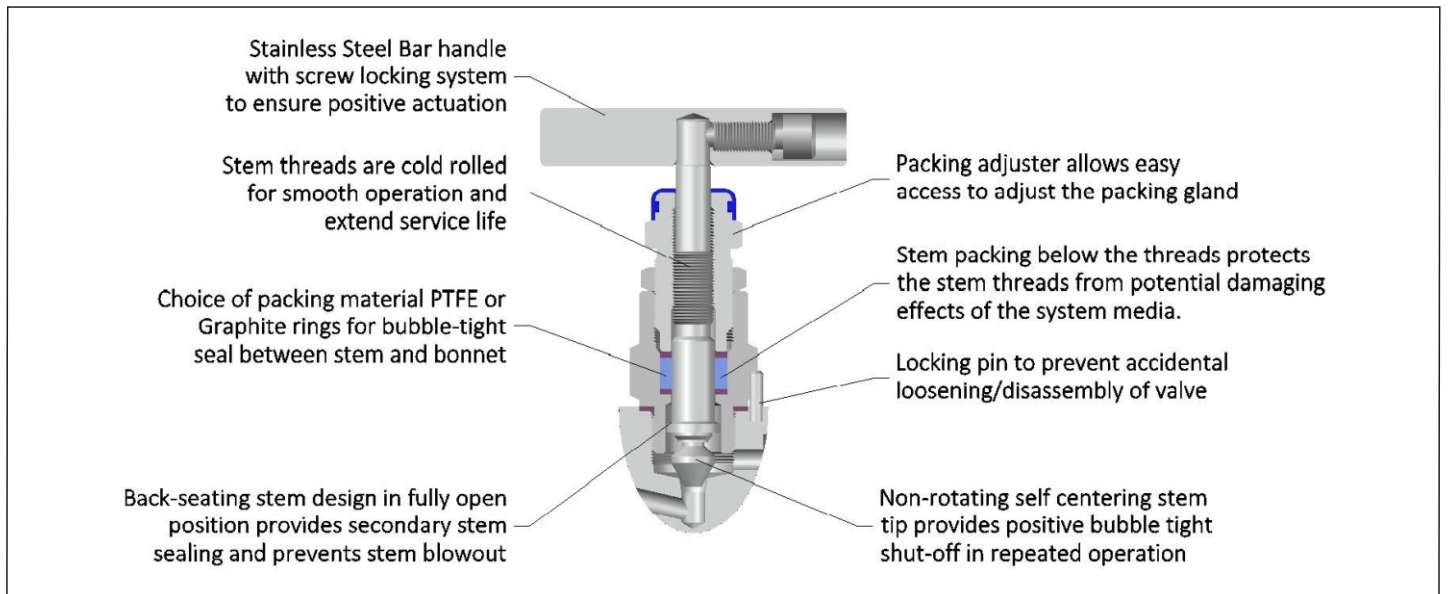
**DAWSONS-TECH®** offers Instrumentation 2 / 3 Way Manifold Valves. 2 Way Manifold Valves are designed for static pressure & liquid applications. 3 Way Manifold Valves are designed for differential pressure applications.

### Features / Benefits :

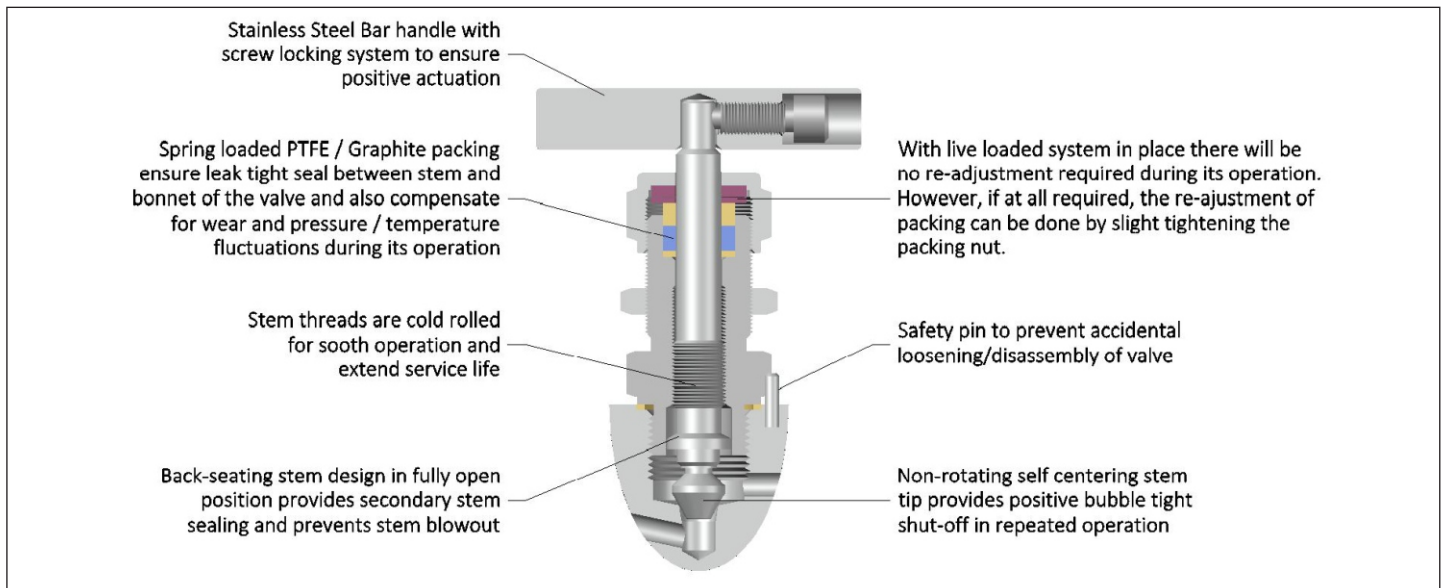
- Available in Material SS316, All wetted parts are in accordance with NACE MR01-75.
- Bar Stock Body.
- Available with two Bonnet design with PTFE / Graphite packing & dual 'O' Rings with backup rings.
- PTFE / Graphite packing with live load system.
- Wide choice of End Connections.
- Anti blow-out Stem.
- Orifice size : 4.3mm & 6.3mm.
- Every Valve is factory tested.



### Bonnet Design With PTFE / Graphite Packing :



### Bonnet Design With Dual 'O'Ring :



### Operating Parameters :

- Pressure Rating : UPTO 413 Bar (6000 PSIG) at CWP.
- Temperature Rating : UPTO 120°C with Viton® 'O' Ring Seal.  
UPTO 23°C with PTFE Packing.  
UPTO 426°C with optional Graphite Packing.

### Applications :

- Pressure Instrument Devices.
- Differential Pressure Instrument Devices.
- Pressure Equalization.

### Type Test Approvals :

The design of **DAWSONS-TECH**® 2 / 3 Way Manifold Valves have been tested to Hydrostatic Proof and Burst Test in accordance with MSS SP-99-2016a Clause 5.5 & 5.6.

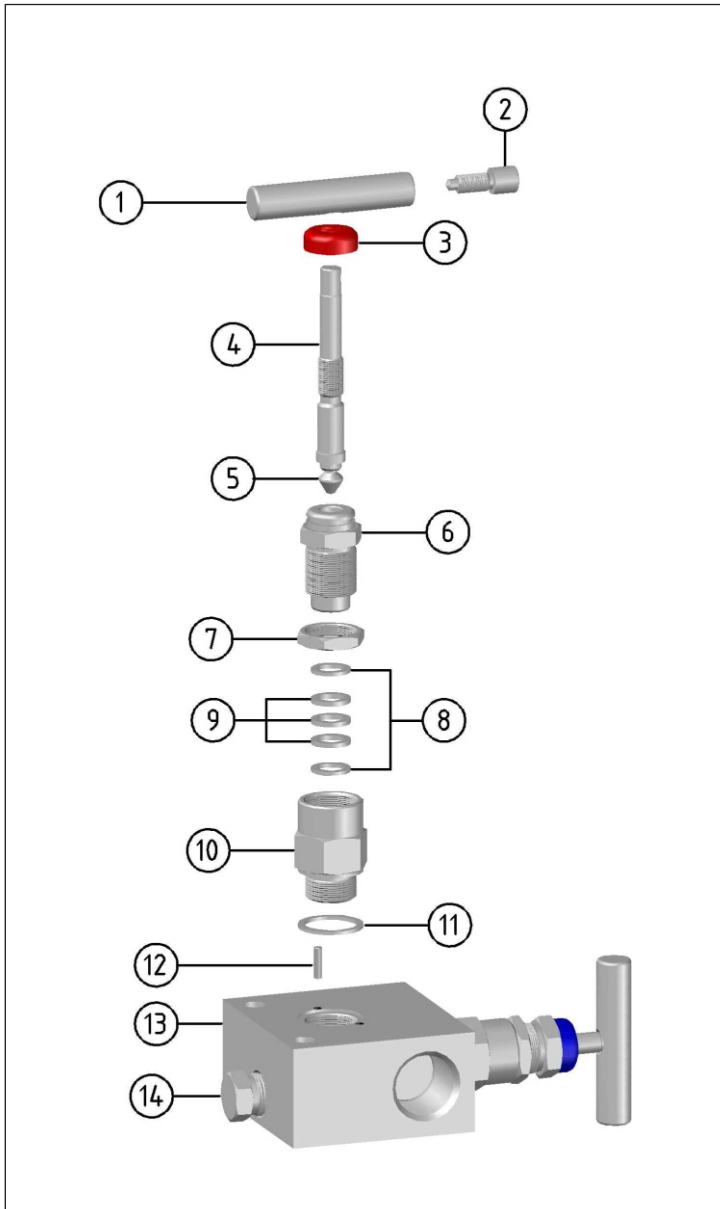
### Testing :

- Standard Test : Each Valve is Factory Tested for Cracking set pressure and re-sealing performance.

### Certification :

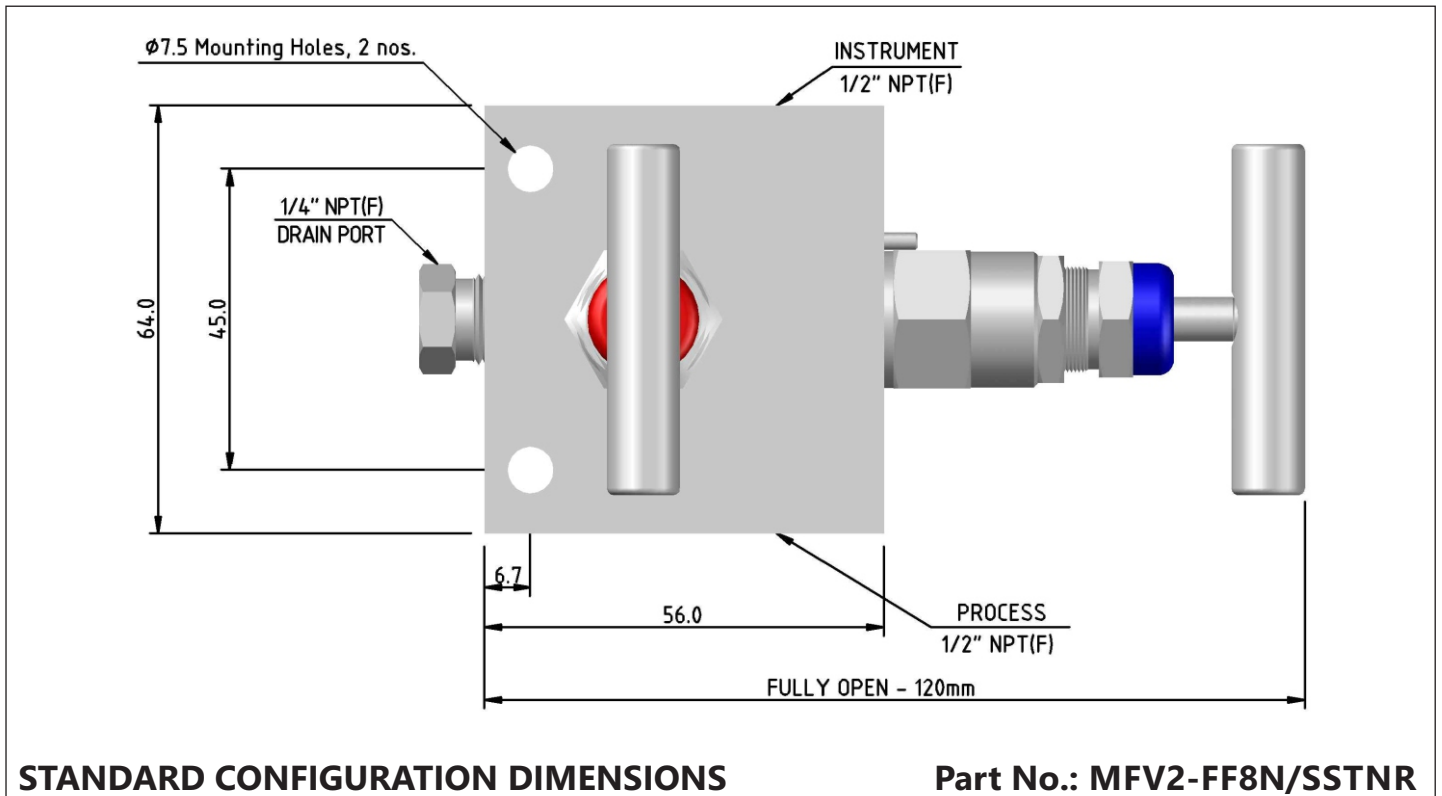
The certificate to 3.1 acc. to EN10204 for Valve Body Material and pressure test will be provided on request.

### Material of Construction :

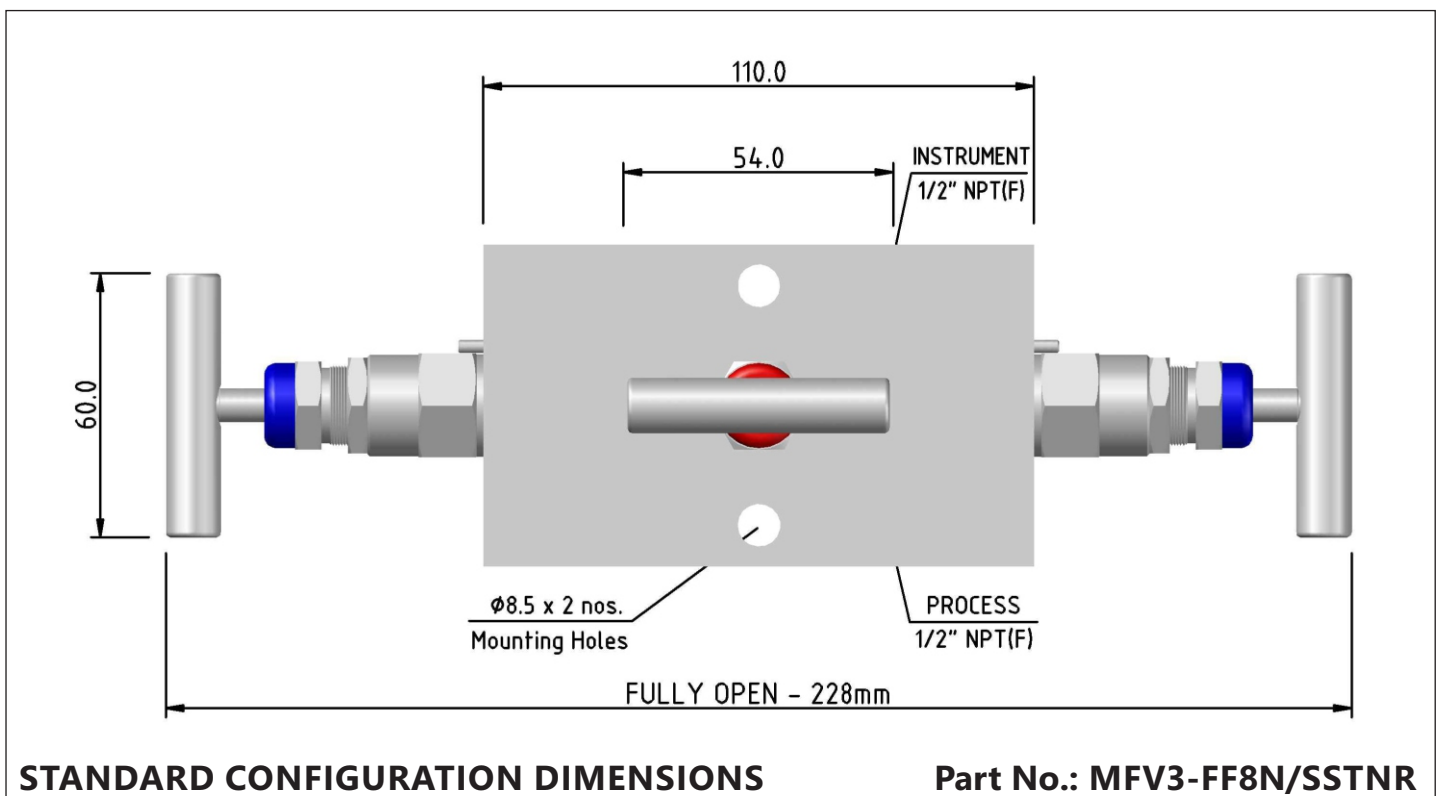


Sr. No.	Part Description	Material
1	Handle	SS316
2	Screw	SS316
3	Dust Cap	PVC
4	Valve Stem	SS316
5	Stem Tip	SS316
6	Packing Adjustment Screw	SS316
7	Lock Nut	SS316
8	Back-up Washer	PEEK
9	Packing Washer	PTFE / Graphite
10	Valve Bonnet	SS316
11	Sealing Washer	SS316
12	Safety Pin	SS316
13	Valve Body	SS316
14	Bleed Plug	SS316

**2 Way Manifold Valves**



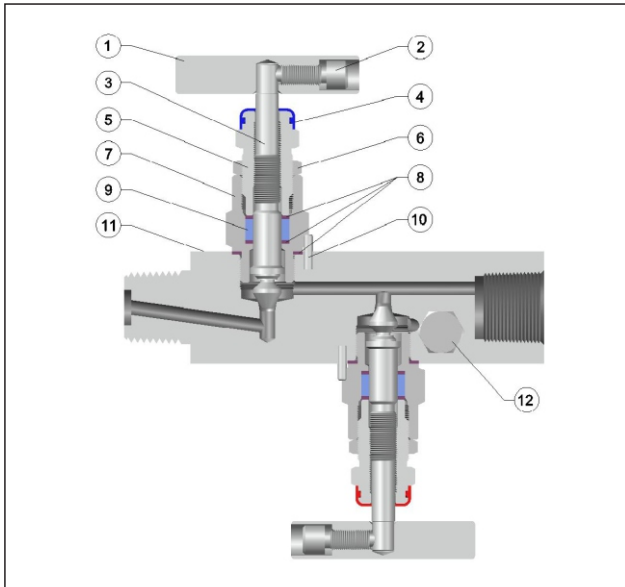
**3 Way Manifold Valves**





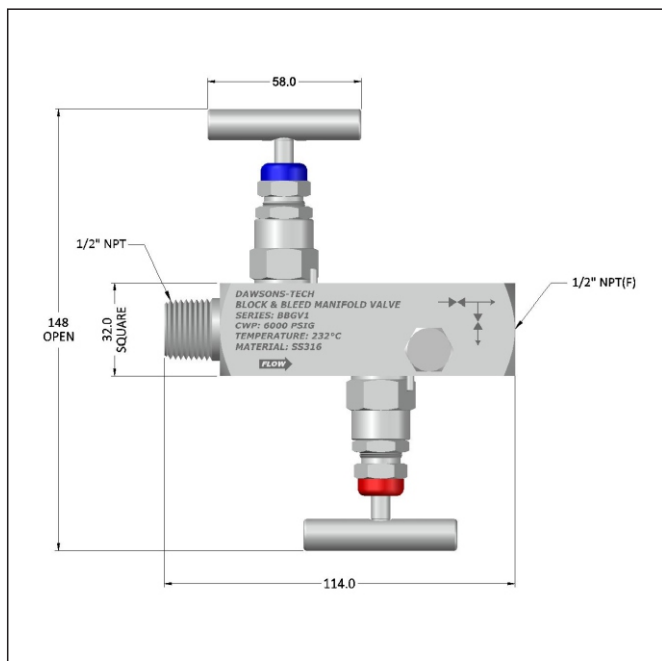
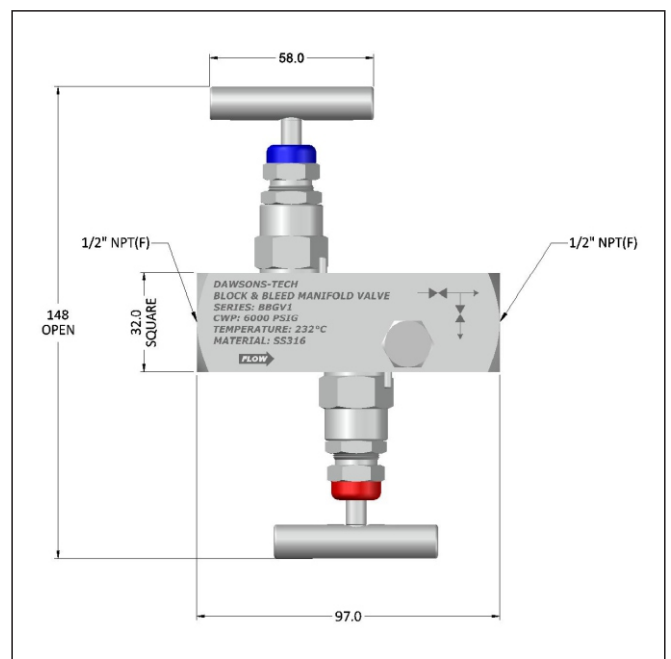
**DAWSONS-TECH**® most cost effective Block & Bleed Gauge Valve Series : BBGV1 is having Bar Stock Square Body design and construction with two Valves for a safe and economical method for mounting Pressure Gauges, Pressure Transmitters, Pressure Switches, etc. These two Valves Manifold combines an Isolation Valve with a vent Valve in one compact unit.

## Material of Construction :



Sr. No.	Part Description	Material
1	Handle	SS316
2	Screw	SS316
3	Valve Stem	SS316
4	Dust Cap	PVC
5	Packing Adjustment Screw	SS316
6	Lock Nut	SS316
7	Bonnet	SS316
8	Washer	SS316
9	Packing	PTFE/Graphite
10	Safety Pin	SS316
11	Valve Body	SS316
12	Drain Plug	SS316

**Block & Bleed Gauge Valve Series : BBGV1 (Female to Female)  
Part No. BBGV1-FF8N/SSTNR**



**Block & Bleed Gauge Valve Series : BBGV1 (Male to Female)  
Part No. BBGV1-MF8N/SSTNR**



### Ordering Information :

1)	Valves Type	Series
	2 / 3 Manifold Valves	<b>MFV2</b>
	Block & Bleed Gauge Valve	<b>BBGV1</b>

2)	End Connection Type	<b>FF</b> : Female x Female
		<b>MF</b> : Male x Female

3)	Pipe End Connection Size	<b>8</b>	1/2"
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4)	End Connection Thread Type	<b>N</b> : NPT (Male / Female)
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5)	Material	<b>SS</b> : SS316
		<b>SSL</b> : SS316L
		<b>DX</b> : Duplex
		<b>CS</b> : Carbon Steel


6)	Packing Material	<b>T</b> : PTFE
		<b>G</b> : Graphite
		<b>V</b> : Fluorocarbon


7)	Stem Type	<b>NR</b> : Non-Rotating
		<b>VS</b> : 'V' Stem
		<b>SF</b> : Soft Seat Stem
		<b>RS</b> : Regulating Stem



Registered Office and Manufacturing Plant :

## **DAWSONS-TECH COMPONENTS LLP**

 Unit No. DD - 6 & 7, Khan Real Industrial Estate,  
N. H. 08, Pelhar, Vasai Phata, Vasai (East),  
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LLPIN: AAN-0434

 Mobile : +91-9833355596

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 Website: [www.dawsonstech.com](http://www.dawsonstech.com)