



INSTRUMENTATION / CNG BALL VALVES

The Secret of our success is Ritualistic continuous improvement of our products and process



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.

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

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® persues 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.



OUR CAPABILITIES

- Over 35 Years of Experience
- Excellent Technical Knowledge
- Latest Design Equipment's & Software
- Modern Manufacturing Facilities
- Highly Motivated Team of Employees
- Excellent Inspection Facilities
- Product Performance Testing Facilities



CERTIFICATIONS

- ISO 9001-2015
- ISO 14001-2015
- ISO 45001-2018
- PED 2014/68/EU
- ASTM F1387-19
- MSS SP-99-2016a
- Helium Leak TestHydro Static Proof Test
- Pneumatic Proof Test



BENEFITS

- High Quality
- Proven Design for Leak Free Connections
- Effective Operations
- High Efficiency
- Prompt Reply
- Maximum Flexibility
- Maximum Safety in Operation
- Substantial Cost Saving

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











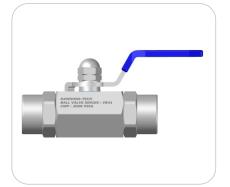








Two Way Ball Valve Series : VB41



Page No. 4

Two Way Ball Valve Series : VB43 (Panel Mountable)



Page No. 7

Angle Ball Valve Series : VB45 (Panel Mountable)



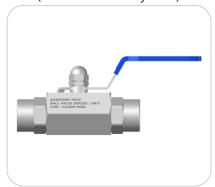
Page No. 10

Three Way Ball Valve Series : VB47 (Panel Mountable)



Page No. 13

Two Way Ball Valve Series : VB71 (With Live Load System)



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Two Way Ball Valve Series : VB81 (Panel Mountable with Live Load System)



Page No. 20

Angle Ball Valve Series : VB87 (Panel Mountable with Live Load System)



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Three Way Ball Valve Series : VB91 (Panel Mountable with Live Load System)



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Three Way Trunnion Ball Valve Series : VB95 (Panel Mountable with Live Load System)



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Ball Valves Series: VB41



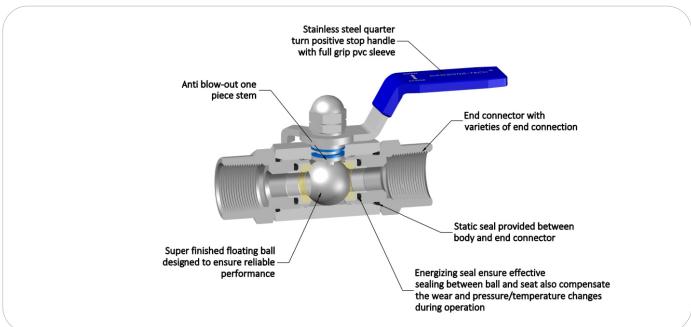
DAWSONS-TECH® Ball Valves Series: VB41 Three Piece bi-directional Flow Ball Valves offers medium pressure rating UPTO 3000 PSIG (206 Bar).

'O' Ring energized PTFE / PEEK Ball Seat ensure 100% bubble tight shut off and continuous repeatable performance.

Features / Benefits:

- · Available in Material SS316
- Material Traceable to certified material test report
- Three-piece body design, on / off service with two way pattern
- · Low torque actuation Bi-directional flow
- · Floating Ball design, 'O' Ring energizing Ball Seat
- · Quarter turn positive stop handle
- · Every Valve is pressure tested





Product Range & Operating Parameters :

Pressure Rating : UPTO 206 Bar (3000 PSIG) at CWP with PTFE

Seat and Fluorocarbon / PTFE 'O' Ring

• Temperature Rating : -54°C to 180°C (depending on 'O' Ring Material)

• End Connections : Fractional 1/4" to 1" Tube OD

: Metric 6mm to 25mm Tube OD

Pipe Threads : 1/4" to 1" Male / Female BSP / BSPT / NPT

Applications:

- Hydraulic
- Gas
- Instrument Air Lines
- General Plant Service

Type Test Approvals:

The design of DAWSONS-TECH Ball Valves Series: VB41 have been tested to Hydrostatic Proof and Burst Test in accordance with MSS SP-99-2016a Clause 5.5 & 5.6.

Testing:

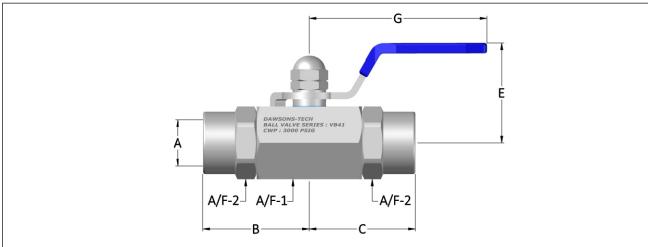
- Standard Test: Each Valve is pressure tested with Nitrogen at 1000 PSIG (69 Bar) for leakage at the seat and packing.
- Optional Hydrostatic Test: This test is performed with De-ionized water at 1.5 times the working pressure.

Certification:



Sr. No.	Part Description	Material
1	Locking Dome Nut	SS316
2	Lock Nut	SS316
3	Stem Washer	SS316
4	Handle With PVC Grip	SS316
5	Spring Washer	Stainless Steel
6	Thrust Washer	PEEK
7	Valve Stem	SS316
8	End Connector	SS316
9	Connector 'O' Ring	Fluorocarbon
10	Energized Seal	Fluorocarbon
11	Seat Gland	SS316
12	Ball Seat	PEEK / PTFE
13	Floating Ball	SS316
14	Valve Body	SS316
	8	





Type	End Connec	tion			Din	nensions	s in mn	า			Dawsons-Tech
Female NPT 3/8" 8.2 4.30 36.4 36.4 40.0 101.0 28.57 23.8 VB41-FF6N 1/2" 10.2 6.42 46.5 46.5 48.5 101.0 31.75 27.0 VB41-FF6N 3/4" 12.2 12.45 50.0 50.0 50.8 101.0 33.3 31.75 VB41-FF12N 1" 16.0 17.35 59.0 59.0 58.5 101.0 41.27 41.27 VB41-FF16N Male NPT 1/4" 6.3 2.34 38.1 38.1 39.7 87.0 27.0 22.2 VB41-MM6I 1/2" 10.2 6.42 49.4 49.4 48.5 101.0 31.75 25.4 VB41-MM6I Male x Female 1/4" 6.3 2.34 38.1 35.0 39.7 87.0 27.0 22.2 VB41-MF6N NPT 1/4" 6.3 2.34 38.1 35.0 39.7 87.0 27.0 22.2	Туре	Size-A		Cv	В	С	Е	G	A/F-1	A/F-2	
Female NPT 1/2" 10.2 6.42 46.5 46.5 48.5 101.0 31.75 27.0 VB41-FF8N 3/4" 12.2 12.45 50.0 50.0 50.8 101.0 33.3 31.75 VB41-FF12N 1" 16.0 17.35 59.0 59.0 58.5 101.0 41.27 41.27 VB41-FF16N 3/8" 8.2 4.30 43.0 43.0 40.0 101.0 28.57 23.8 VB41-MM6I 1/2" 10.2 6.42 49.4 49.4 48.5 101.0 31.75 25.4 VB41-MM8I 3/4" 12.2 12.45 52.7 52.7 50.8 101.0 41.27 38.1 VB41-MM8I 3/8" 8.2 4.30 43.0 43.0 40.0 101.0 28.57 23.8 VB41-MM8I 3/4" 12.2 12.45 52.7 52.7 50.8 101.0 31.75 25.4 VB41-MM8I 3/8" 8.2 4.30 43.0 36.4 40.0 101.0 28.57 23.8 VB41-MF8N 3/8" 8.2 4.30 43.0 36.4 40.0 101.0 28.57 23.8 VB41-MF6N 3/8" 8.2 4.30 43.0 36.4 40.0 101.0 28.57 23.8 VB41-MF6N 3/4" 12.2 12.45 52.7 50.0 50.8 101.0 31.75 27.0 VB41-MF8N 3/4" 12.2 12.45 52.7 50.0 50.8 101.0 31.75 27.0 VB41-MF8N 3/4" 12.2 12.45 52.7 50.0 50.8 101.0 31.75 27.0 VB41-MF8N 4/4" 6.3 2.34 35.0 35.0 39.7 87.0 27.0 22.2 VB41-FF16N 5/4" 10.2 6.42 44.0 44.0 48.5 101.0 31.75 27.0 VB41-FF16N 5/4" 12.2 12.45 48.7 48.7 50.8 101.0 31.75 27.0 VB41-FF16N 5/4" 12.2 12.45 48.7 48.7 50.8 101.0 31.75 27.0 VB41-FF12N 6/5" 1/4" 4.8 1.20 37.0 37.0 39.7 87.0 27.0 22.2 VB41-FF12N 1/4" 4.8 1.20 37.0 37.0 39.7 87.0 27.0 22.2 VB41-FF12N 1/4" 4.8 1.20 37.0 37.0 39.7 87.0 27.0 22.2 VB41-FF12N 1/4" 4.8 1.20 37.0 37.0 39.7 87.0 27.0 22.2 VB41-FF12N 1/4" 4.8 1.20 37.0 37.0 39.7 87.0 27.0 22.2 VB41-FF12N 1/4" 4.8 1.20 37.0 37.0 39.7 87.0 27.0 22.2 VB41-FF12N 1/4" 4.8 1.20 37.0 37.0 39.7 87.0 27.0 22.2 VB41-FF16N 1/4" 4.8 1.20 37.0 37.0 39.7 87.0 27.0 22.		1/4''	6.3	2.34	35.0	35.0	39.7	87.0	27.0	22.2	VB41-FF4N
Male NPT		3/8''	8.2	4.30	36.4	36.4	40.0	101.0	28.57	23.8	VB41-FF6N
1"	Female NPT	1/2''	10.2	6.42	46.5	46.5	48.5	101.0	31.75	27.0	VB41-FF8N
Male NPT 1/4" 6.3 2.34 38.1 38.1 39.7 87.0 27.0 22.2 VB41-MM4 3/8" 8.2 4.30 43.0 43.0 40.0 101.0 28.57 23.8 VB41-MM6 1/2" 10.2 6.42 49.4 49.4 48.5 101.0 31.75 25.4 VB41-MM8 3/4" 12.2 12.45 52.7 52.7 50.8 101.0 33.3 28.57 VB41-MM6 1" 16.0 17.35 62.9 62.9 58.5 101.0 41.27 38.1 VB41-MM6 1/4" 6.3 2.34 38.1 35.0 39.7 87.0 27.0 22.2 VB41-MF4N 3/8" 8.2 4.30 43.0 36.4 40.0 101.0 28.57 23.8 VB41-MF6N 1/2" 10.2 6.42 49.4 46.5 48.5 101.0 31.75 27.0 VB41-MF8N 3/4" 12.2 12.45 52.7 50.0 50.8 101.0 33.3 31.75 VB41-MF10 1" 16.0 17.35 62.9 59.0 58.5 101.0 41.27 41.27 VB41-MF16 1/4" 6.3 2.34 35.0 35.0 39.7 87.0 27.0 22.2 VB41-FF4RC 3/8" 8.2 4.30 38.0 38.0 40.0 101.0 28.57 23.8 VB41-FF6RC 3/8" 8.2 4.30 38.0 38.0 40.0 101.0 28.57 23.8 VB41-FF6RC 3/8" 8.2 4.30 38.0 38.0 40.0 101.0 28.57 23.8 VB41-FF6RC 3/4" 12.2 12.45 48.7 48.7 50.8 101.0 31.75 27.0 VB41-FF12R 1" 16.0 17.35 61.6 61.6 58.5 101.0 41.27 41.27 VB41-FF12R 1/4" 4.8 1.20 37.0 37.0 39.7 87.0 27.0 22.2 VB41-TT4 Tube Fittings 3/4" 12.2 12.45 45.3 45.3 50.8 101.0 33.3 28.57 VB41-TT6 1/2" 10.2 6.42 42.0 42.0 48.5 101.0 31.75 25.4 VB41-TT6 1/2" 10.2 6.42 42.0 42.0 48.5 101.0 31.75 25.4 VB41-TT6 1/2" 10.2 6.42 42.0 42.0 48.5 101.0 31.75 25.4 VB41-TT6 1/2" 10.2 6.42 42.0 42.0 48.5 101.0 31.75 25.4 VB41-TT6 1/2" 10.2 6.42 42.0 42.0 48.5 101.0 31.75 25.4 VB41-TT6 1/2" 10.2 6.42 42.0 42.0 48.5 101.0 31.75 25.4 VB41-TT6 1/2" 10.2 6.42 42.0 42.0 48.5 101.0 31.75 25.4 VB41-TT6 1/2" 10.2 6.42 42.0 42.0 42.0 42.0 42.0 42.0 42		3/4''	12.2	12.45	50.0	50.0	50.8	101.0	33.3	31.75	VB41-FF12N
Male NPT 3/8" 8.2 4.30 43.0 43.0 40.0 101.0 28.57 23.8 VB41-MM66 1/2" 10.2 6.42 49.4 49.4 48.5 101.0 31.75 25.4 VB41-MM81 3/4" 12.2 12.45 52.7 52.7 50.8 101.0 33.3 28.57 VB41-MM81 Male x Female NPT 1/4" 6.3 2.34 38.1 35.0 39.7 87.0 27.0 22.2 VB41-MF4N 3/8" 8.2 4.30 43.0 36.4 40.0 101.0 28.57 23.8 VB41-MF4N 1/2" 10.2 6.42 49.4 46.5 48.5 101.0 31.75 VB41-MF6N 1/2" 10.2 6.42 49.4 46.5 48.5 101.0 31.75 VB41-MF8N 3/4" 12.2 12.45 52.7 50.0 50.8 101.0 31.75 VB41-MF16N 1/4" 6.3 2.34 <td></td> <td>1''</td> <td>16.0</td> <td>17.35</td> <td>59.0</td> <td>59.0</td> <td>58.5</td> <td>101.0</td> <td>41.27</td> <td>41.27</td> <td>VB41-FF16N</td>		1''	16.0	17.35	59.0	59.0	58.5	101.0	41.27	41.27	VB41-FF16N
Male NPT 1/2" 10.2 6.42 49.4 49.4 48.5 101.0 31.75 25.4 VB41-MM88 3/4" 12.2 12.45 52.7 52.7 50.8 101.0 33.3 28.57 VB41-MM81 1" 16.0 17.35 62.9 62.9 58.5 101.0 41.27 38.1 VB41-MM81 Male x Female NPT 1/4" 6.3 2.34 38.1 35.0 39.7 87.0 27.0 22.2 VB41-MF6N 1/2" 10.2 6.42 49.4 46.5 48.5 101.0 31.75 27.0 VB41-MF6N 1/2" 10.2 6.42 49.4 46.5 48.5 101.0 31.75 VB41-MF6N 1/2" 10.2 6.42 49.4 46.5 48.5 101.0 31.75 27.0 VB41-MF8N 1" 16.0 17.35 62.9 59.0 58.5 101.0 31.75 VB41-FF6R 3/8" 8.2 <td></td> <td>1/4''</td> <td>6.3</td> <td>2.34</td> <td>38.1</td> <td>38.1</td> <td>39.7</td> <td>87.0</td> <td>27.0</td> <td>22.2</td> <td>VB41-MM4N</td>		1/4''	6.3	2.34	38.1	38.1	39.7	87.0	27.0	22.2	VB41-MM4N
1/4"		3/8''	8.2	4.30	43.0	43.0	40.0	101.0	28.57	23.8	VB41-MM6N
1"	Male NPT	1/2''	10.2	6.42	49.4	49.4	48.5	101.0	31.75	25.4	VB41-MM8N
Male x Female NPT		3/4''	12.2	12.45	52.7	52.7	50.8	101.0	33.3	28.57	VB41-MM12N
Male x Female NPT 3/8" 8.2 4.30 43.0 36.4 40.0 101.0 28.57 23.8 VB41-MF6N NPT 1/2" 10.2 6.42 49.4 46.5 48.5 101.0 31.75 27.0 VB41-MF6N 3/4" 12.2 12.45 52.7 50.0 50.8 101.0 33.3 31.75 VB41-MF6N 1" 16.0 17.35 62.9 59.0 58.5 101.0 41.27 41.27 VB41-MF16N 3/8" 8.2 4.30 38.0 35.0 39.7 87.0 27.0 22.2 VB41-FF4RC 3/8" 8.2 4.30 38.0 38.0 40.0 101.0 28.57 23.8 VB41-FF6RC 3/4" 12.2 12.45 48.7 48.7 50.8 101.0 31.75 27.0 VB41-FF12R Fractional Tube Fittings 1/4" 4.8 1.20 37.0 37.0 39.7 87.0 27.0 22.2		1''	16.0	17.35	62.9	62.9	58.5	101.0	41.27	38.1	VB41-MM16N
NPT		1/4''	6.3	2.34	38.1	35.0	39.7	87.0	27.0	22.2	VB41-MF4N
NPT 1/2" 10.2 6.42 49.4 46.5 48.5 101.0 31.75 27.0 VB41-MF8N	Mala y Famala	3/8''	8.2	4.30	43.0	36.4	40.0	101.0	28.57	23.8	VB41-MF6N
Female BSP Female		1/2''	10.2	6.42	49.4	46.5	48.5	101.0	31.75	27.0	VB41-MF8N
Female BSP 1/4" 6.3 2.34 35.0 35.0 39.7 87.0 27.0 22.2 VB41-FF4RO	NPT	3/4''	12.2	12.45	52.7	50.0	50.8	101.0	33.3	31.75	VB41-MF12N
Female BSP 3/8" 8.2 4.30 38.0 38.0 40.0 101.0 28.57 23.8 VB41-FF6RO		1''	16.0	17.35	62.9	59.0	58.5	101.0	41.27	41.27	VB41-MF16N
Female BSP 1/2" 10.2 6.42 44.0 44.0 48.5 101.0 31.75 27.0 VB41-FF8RG 3/4" 12.2 12.45 48.7 48.7 50.8 101.0 33.3 28.57 VB41-FF12R 1" 16.0 17.35 61.6 61.6 58.5 101.0 41.27 41.27 VB41-FF16R 1/4" 4.8 1.20 37.0 37.0 39.7 87.0 27.0 22.2 VB41-TT4 3/8" 6.3 2.34 40.6 40.6 40.0 101.0 28.57 23.8 VB41-TT6 1/2" 10.2 6.42 42.0 42.0 48.5 101.0 31.75 25.4 VB41-TT8 1/2" 12.2 12.45 45.3 45.3 50.8 101.0 33.3 28.57 VB41-TT12 1" 16.0 17.35 53.0 53.0 58.5 101.0 41.27 38.1 VB41-TT16 6mm 4.2 0.92 37.8 37.8 39.7 87.0 27.0 22.2 VB41-TT6M 8mm 6.3 2.34 37.8 37.8 39.7 87.0 27.0 22.2 VB41-TT8M		1/4''	6.3	2.34	35.0	35.0	39.7	87.0	27.0	22.2	VB41-FF4RG
3/4" 12.2 12.45 48.7 48.7 50.8 101.0 33.3 28.57 VB41-FF12R		3/8''	8.2	4.30	38.0	38.0	40.0	101.0	28.57	23.8	VB41-FF6RG
T'' 16.0 17.35 61.6 61.6 58.5 101.0 41.27 41.27 VB41-FF16R Fractional Tube Fittings 1/4" 4.8 1.20 37.0 37.0 39.7 87.0 27.0 22.2 VB41-TT4 3/8" 6.3 2.34 40.6 40.6 40.0 101.0 28.57 23.8 VB41-TT6 1/2" 10.2 6.42 42.0 42.0 48.5 101.0 31.75 25.4 VB41-TT8 3/4" 12.2 12.45 45.3 45.3 50.8 101.0 33.3 28.57 VB41-TT12 1" 16.0 17.35 53.0 53.0 58.5 101.0 41.27 38.1 VB41-TT6 6mm 4.2 0.92 37.8 37.8 39.7 87.0 27.0 22.2 VB41-TT8M 8mm 6.3 2.34 37.8 37.8 39.7 87.0 27.0 22.2 VB41-TT8M	Female BSP	1/2"	10.2	6.42	44.0	44.0	48.5	101.0	31.75	27.0	VB41-FF8RG
Fractional Tube Fittings 1/4" 4.8 1.20 37.0 37.0 39.7 87.0 27.0 22.2 VB41-TT4		3/4''	12.2	12.45	48.7	48.7	50.8	101.0	33.3	28.57	VB41-FF12RG
Fractional Tube Fittings 3/8" 6.3 2.34 40.6 40.6 40.0 101.0 28.57 23.8 VB41-TT6		1''	16.0	17.35	61.6	61.6	58.5	101.0	41.27	41.27	VB41-FF16RG
Tube Fittings 1/2" 10.2 6.42 42.0 42.0 48.5 101.0 31.75 25.4 VB41-TT8 3/4" 12.2 12.45 45.3 45.3 50.8 101.0 33.3 28.57 VB41-TT12 1" 16.0 17.35 53.0 53.0 58.5 101.0 41.27 38.1 VB41-TT16 6mm 4.2 0.92 37.8 37.8 39.7 87.0 27.0 22.2 VB41-TT6M 8mm 6.3 2.34 37.8 37.8 39.7 87.0 27.0 22.2 VB41-TT8M		1/4''	4.8	1.20	37.0	37.0	39.7	87.0	27.0	22.2	VB41-TT4
Tube Fittings	Fractional	3/8''	6.3	2.34	40.6	40.6	40.0	101.0	28.57	23.8	VB41-TT6
3/4" 12.2 12.45 45.3 45.3 50.8 101.0 33.3 28.57 VB41-T112 1" 16.0 17.35 53.0 53.0 58.5 101.0 41.27 38.1 VB41-TT16 6mm 4.2 0.92 37.8 37.8 39.7 87.0 27.0 22.2 VB41-TT6M 8mm 6.3 2.34 37.8 37.8 39.7 87.0 27.0 22.2 VB41-TT8M		1/2''	10.2	6.42	42.0	42.0	48.5	101.0	31.75	25.4	VB41-TT8
6mm 4.2 0.92 37.8 37.8 39.7 87.0 27.0 22.2 VB41-TT6M 8mm 6.3 2.34 37.8 37.8 39.7 87.0 27.0 22.2 VB41-TT8M	Tube Fittings	3/4''	12.2	12.45	45.3	45.3	50.8	101.0	33.3	28.57	VB41-TT12
8mm 6.3 2.34 37.8 37.8 39.7 87.0 27.0 22.2 VB41-TT8M		1"	16.0	17.35	53.0	53.0	58.5	101.0	41.27	38.1	VB41-TT16
		6mm	4.2	0.92	37.8	37.8	39.7	87.0	27.0	22.2	VB41-TT6M
Metric 10mm 8.2 4.30 41.6 41.6 40.0 101.0 28.57 23.8 VB41-TT10N		8mm	6.3	2.34	37.8	37.8	39.7	87.0	27.0	22.2	VB41-TT8M
	Metric	10mm	8.2	4.30	41.6	41.6	40.0	101.0	28.57	23.8	VB41-TT10M
Tube Fittings 12mm 10.2 6.42 42.5 42.5 48.5 101.0 31.75 25.4 VB41-TT12N	Tube Fittings	12mm	10.2	6.42	42.5	42.5	48.5	101.0	31.75	25.4	VB41-TT12M
16mm 12.2 12.45 46.0 46.0 50.8 101.0 33.3 28.57 VB41-TT16N		16mm	12.2	12.45	46.0	46.0	50.8	101.0	33.3	28.57	VB41-TT16M
25mm 16.0 17.35 53.0 53.0 58.5 101.0 41.27 38.1 VB41-TT25N		25mm	16.0	17.35	53.0	53.0	58.5	101.0	41.27	38.1	VB41-TT25M

Ball Valves Series: VB43



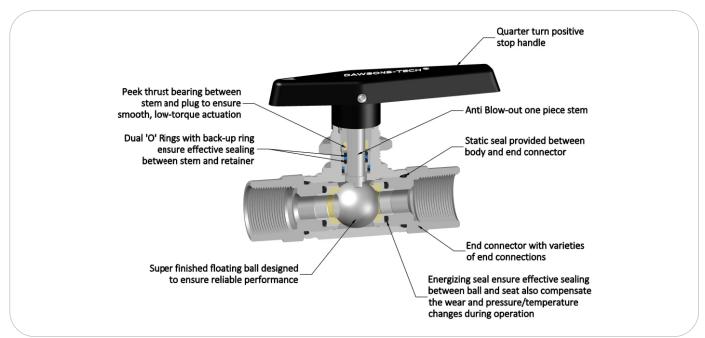
DAWSONS-TECH® Ball Valves Series: VB43 Three Piece bi-directional Flow Ball Valves offers medium pressure rating UPTO 3000 PSIG (206 Bar).

'O' Ring energized PTFE / PEEK Ball Seat ensure 100% bubble tight shut off and continuous repeatable performance.

Features / Benefits:

- · Available in Material SS316
- Material Traceable to certified material test report
- Three-piece body design, on / off service with two way pattern
- · Low torque actuation Bi-directional flow
- Panel mountable design 'O' Ring energizing Ball Seat
- Quarter turn positive stop handle
- Every Valve is pressure tested





Product Range & Operating Parameters:

Pressure Rating : UPTO 206 Bar (3000 PSIG) at CWP with PTFE

Seat and Fluorocarbon / PTFE 'O' Ring

• Temperature Rating : -54°C to 180°C (depending on 'O' Ring Material)

• End Connections : Fractional 1/8" to 3/4" Tube OD

: Metric 3mm to 16mm Tube OD

• Pipe Threads : 1/8" to 3/4" Male / Female BSP / BSPT / NPT

Applications:

- Hydraulic
- Gas
- Instrument Air Lines
- General Plant Service

Type Test Approvals:

The design of DAWSONS-TECH Ball Valves Series: VB43 have been tested to Hydrostatic Proof and Burst Test in accordance with MSS SP-99-2016a Clause 5.5 & 5.6.

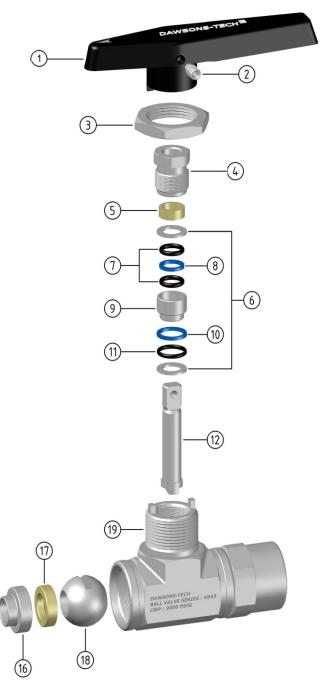
Testing:

- Standard Test: Each Valve is pressure tested with Nitrogen at 1000 PSIG (69 Bar) for leakage at the seat and packing.
- Optional Hydrostatic Test: This test is performed with De-ionized water at 1.5 times the working pressure.

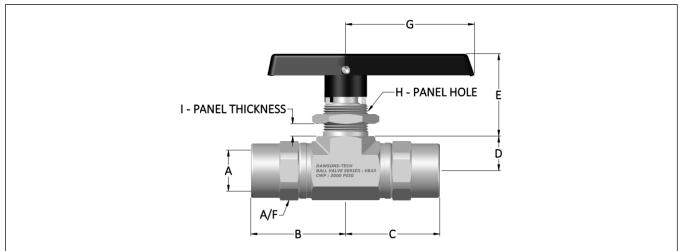
Certification:



Sr. No.	Part Description	Material
1	Handle With Brass Insert	Nylon
2	Grub Screw	SS316
3	Panel Nut	SS316
4	Packing Nut	SS316
5	Stem Bearing	PEEK
6	Stem Washer	PEEK
7	Stem 'O' Ring	Fluorocarbon
8	Stem Back-up Ring	PTFE
9	Stem Seal Retainer	SS316
10	Retainer Back-up Ring	PTFE
11	Retainer 'O' Ring	Fluorocarbon
12	Valve Stem	SS316
13	End Connector	SS316
14	Connector 'O' Ring	Fluorocarbon
15	Energized Seal	Fluorocarbon
16	Seat Gland	SS316
17	Ball Seat	PEEK / PTFE
18	Floating Ball	SS316
19	Valve Body	SS316







End Connec	tion	Dimensions in mm										Dawsons-Tech
Туре	Size-A	Orifice (mm)	Cv	В	С	D	E	G	Н	1	A/F	Part No.
	1/8"	4.2	0.92	30.0	30.0	8.6	34.5	30.0	14.8	4.0	14.27	VB43-FF2N
	1/4''	6.3	2.34	37.7	37.7	13.5	38.2	38.0	19.5	6.3	22.2	VB43-FF4N
Female NPT	3/8''	8.2	4.30	36.4	36.4	15.3	39.0.	38.0	19.5	6.3	23.8	VB43-FF6N
	1/2''	10.2	6.42	46.5	46.5	16.0	46.0	63.5	22.7	9.5.	27.0	VB43-FF8N
	3/4''	12.2	12.45	50.0	50.0	18.6	44.5	63.5	22.7	9.5	31.5	VB43-FF12N
	1/8"	4.2	0.92	31.6	31.6	8.6	34.4	30.0	14.8	4.0	14.27	VB43-MM2N
	1/4''	6.3	2.34	42.7	42.7	13.5	38.2	38.0	19.5	6.3	22.2	VB43-MM4N
Male NPT	3/8''	8.2	4.30	43.0	43.0	15.3	39.0	38.0	19.5	6.3	23.8	VB43-MM6N
	1/2''	10.2	6.42	49.4	49.4	16.0	46.0	63.5	22.7	9.5.	27.0	VB43-MM8N
	3/4''	12.2	12.45	52.7	52.7	18.6	44.5	63.5	22.7	9.5	28.57	VB43-MM12N
	1/8″	4.2	0.92	31.6	31.6	8.6	34.5	30.0	14.8	4.0	14.27	VB43-MF2N
Male x Female	1/4''	6.3	2.34	42.7	42.7	13.5	38.2	38.0	19.5	6.3	22.2	VB43-MF4N
	3/8''	8.2	4.30	43.0	43.0	15.3	39.0	38.0	19.5	6.3	23.8	VB43-MF6N
NPT	1/2''	10.2	6.42	49.4	49.4	16.0	46.0	63.5	22.7	9.5.	27.0	VB43-MF8N
	3/4''	12.2	12.45	52.7	52.7	18.6	44.5	63.5	22.7	9.5	28.57	VB43-MF12N
	1/8"	2.2	0.21	31.0	31.0	8.6	34.5	30.0	14.8	4.0	14.27	VB43-TT2
Fractional	1/4''	4.2	0.92	32.8	32.8	8.6	34.5	38.0	19.5	6.3	22.2	VB43-TT4
	3/8''	6.3	2.34	40.4	40.4	13.5	38.2	38.0	19.5	6.3	23.8	VB43-TT6
Tube Fittings	1/2''	10.2	6.42	42.0	42.0	16.0	46.0	63.5	22.7	9.5.	27.0	VB43-TT8
	3/4''	12.2	12.45	45.3	45.3	18.6	44.5	63.5	22.7	9.5	28.57	VB43-TT12
	3mm	2.0	0.21	31.0	31.0	8.6	34.5	30.0	14.8	4.0	14.27	VB43-TT3M
	6mm	4.2	0.92	32.8	32.8	8.6	34.5	30.0	14.8	4.0	14.27	VB43-TT6M
Metric	8mm	6.3	2.34	39.6	39.6	13.5	38.2	38.0	19.5	6.3	22.2	VB43-TT8M
Tube Fittings	10mm	8.2	4.30	41.6	41.6	15.3	39.0	38.0	19.5	6.3	23.8	VB43-TT10M
	12mm	10.2	6.42	42.5	42.5	16.0	46.0	63.5	22.7	9.5.	27.0	VB43-TT12M
	16mm	12.2	12.45	46.0	46.0	18.6	44.5	63.5	22.7	9.5	28.57	VB43-TT16M

Angle Ball Valves Series: VB45



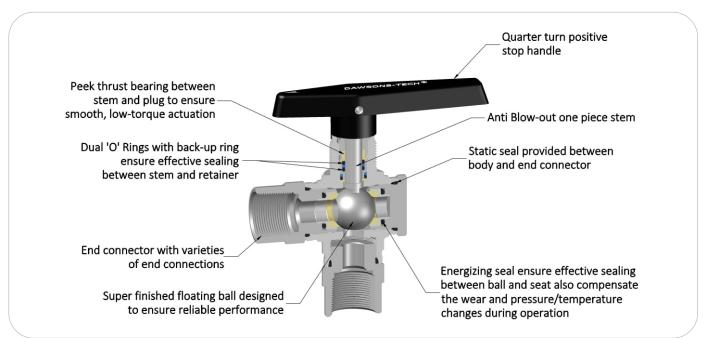
DAWSONS-TECH® Ball Valves Series: VB45 Angle Ball Valves offers medium pressure rating UPTO 3000 PSIG (206 Bar).

'O' Ring energized PTFE / PEEK Ball Seat ensure 100% bubble tight shut off and continuous repeatable performance.

Features / Benefits:

- Available in Material SS316
- Material Traceable to certified material test report
- Three-piece body design, on / off service with two way pattern
- · Low torque actuation Bi-directional flow
- · Panel mountable design
- Floating Ball Design, 'O' Ring energizing Ball Seat
- Quarter turn positive stop handle
- · Every Valve is pressure tested





Product Range & Operating Parameters :

Pressure Rating : UPTO 206 Bar (3000 PSIG) at CWP with PTFE

Seat and Fluorocarbon / PTFE 'O' Ring

• Temperature Rating : -54°C to 180°C (depending on 'O' Ring Material)

• End Connections : Fractional 1/8" to 3/4" Tube OD

: Metric 3mm to 16mm Tube OD

Pipe Threads : 1/8" to 3/4" Male / Female BSP / BSPT / NPT

Applications:

- Hydraulic
- Gas
- Instrument Air Lines
- General Plant Service

Type Test Approvals:

The design of DAWSONS-TECH Ball Valves Series: VB45 have been tested to Hydrostatic Proof and Burst Test in accordance with MSS SP-99-2016a Clause 5.5 & 5.6.

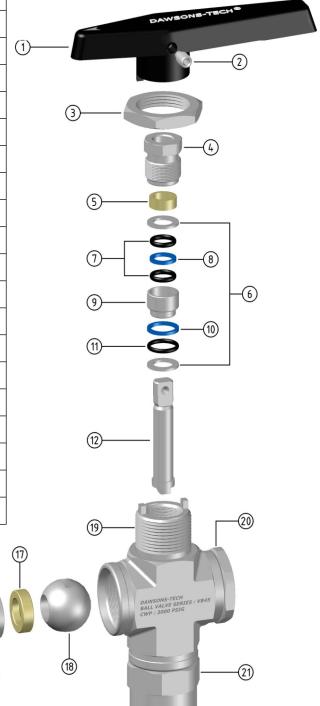
Testing:

- Standard Test: Each Valve is pressure tested with Nitrogen at 1000 PSIG (69 Bar) for leakage at the seat and packing.
- Optional Hydrostatic Test: This test is performed with De-ionized water at 1.5 times the working pressure.

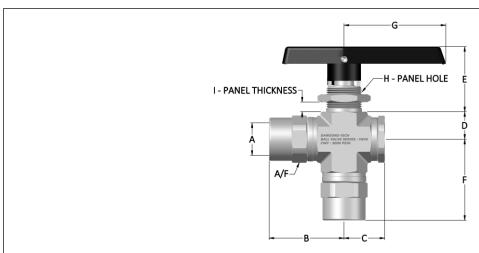
Certification:



ratertat	Of Construction .	
Sr. No.	Part Description	Material
1	Handle With Brass Insert	Nylon
2	Grub Screw	SS316
3	Panel Nut	SS316
4	Packing Nut	SS316
5	Stem Bearing	PEEK
6	Stem Washer	PEEK
7	Stem 'O' Ring	Fluorocarbon
8	Stem Back-up Ring	PTFE
9	Stem Seal Retainer	SS316
10	Retainer Back-up Ring	PTFE
11	Retainer 'O' Ring	Fluorocarbon
12	Valve Stem	SS316
13	End Connector	SS316
14	Connector 'O' Ring	Fluorocarbon
15	Energized Seal	Fluorocarbon
16	Seat Gland	SS316
17	Ball Seat	PEEK / PTFE
18	Floating Ball	SS316
19	Valve Body	SS316
20	End Plug	SS316
21	End Connector (Inlet)	SS316







STAINDARD	COMI	JUINA	1101	יווט	/ILIN								
End Connec	tion				I	Dimen	sions	in mm	1				Dawsons-Tech
Туре	Size-A	Orifice (mm)	Cv	В	С	D	E	F	G	Н	I	A/F	Part No.
	1/8″	4.2	0.92	30.0	21.0	8.6	34.5	31.5	30.0	14.8	4.0	14.27	VB45-FF2N
	1/4''	6.3	2.34	37.7	26.0	13.5	38.2	38.7	38.0	19.5	6.3	22.2	VB45-FF4N
Female NPT	3/8''	8.2	4.30	36.4	26.5	15.3	39.0.	40.2	38.0	19.5	6.3	23.8	VB45-FF6N
	1/2"	10.2	6.42	46.5	27.8	16.0	46.0	50.2	63.5	22.7	9.5.	27.0	VB45-FF8N
	3/4''	12.2	12.45	50.0	30.5	18.6	44.5	53.7	63.5	22.7	9.5	31.5	VB45-FF12N
	1/8"	4.2	0.92	31.6	21.0	8.6	34.4	33.0	30.0	14.8	4.0	14.27	VB45-MM2N
	1/4''	6.3	2.34	42.7	26.0	13.5	38.2	43.7	38.0	19.5	6.3	22.2	VB45-MM4N
Male NPT	3/8''	8.2	4.30	43.0	26.5	15.3	39.0	46.9	38.0	19.5	6.3	23.8	VB45-MM6N
	1/2"	10.2	6.42	49.4	27.8	16.0	46.0	53.0	63.5	22.7	9.5.	27.0	VB45-MM8N
	3/4"	12.2	12.45	52.7	30.5	18.6	44.5	56.5	63.5	22.7	9.5	28.57	VB45-MM12N
	1/8″	4.2	0.21	31.0	21.0	8.6	34.5	32.6	30.0	14.8	4.0	14.27	VB45-TT2
Fractional	1/4''	6.3	0.92	32.8	26.0	13.5	38.2	34.3	38.0	19.5	6.3	22.2	VB45-TT4
	3/8''	8.2	2.34	40.4	26.5	15.3	39.0	41.4	38.0	19.5	6.3	23.8	VB45-TT6
Tube Fittings	1/2"	10.2	6.42	42.0	27.8	16.0	46.0	45.7	63.5	22.7	9.5.	27.0	VB45-TT8
	3/4"	12.2	12.45	45.3	30.5	18.6	44.5	49.0	63.5	22.7	9.5	28.57	VB45-TT12
	3mm	2.0	0.21	31.0	21.0	8.6	34.5	32.6	30.0	14.8	4.0	14.27	VB45-TT3M
	6mm	4.2	0.92	32.8	21.0	8.6	34.5	34.3	30.0	14.8	4.0	14.27	VB45-TT6M
Metric	8mm	6.3	2.34	39.6	21.0	13.5	38.2	40.7	38.0	19.5	6.3	22.2	VB45-TT8M
Tube Fittings	10mm	8.2	4.30	41.6	26.5	15.3	39.0	45.5	38.0	19.5	6.3	23.8	VB45-TT10M
	12mm	10.2	6.42	42.5	27.8	16.0	46.0	46.2	63.5	22.7	9.5.	27.0	VB45-TT12M
	16mm	12.2	12.45	46.0	30.5	18.6	44.5	49.7	63.5	22.7	9.5	28.57	VB45-TT16M

Three Way Ball Valves Series: VB47



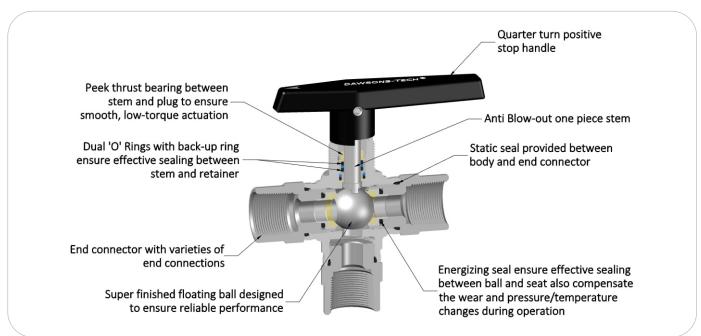
DAWSONS-TECH® Three Way Ball Valves Series: VB47 offers medium pressure rating UPTO 3000 PSIG (206 Bar).

'O' Ring energized PTFE / PEEK Ball Seat ensure continuous repeatable performance. These Valves can be used as diverting or selecting valves for Fluid / Gas utilized in Process and Instrumentation.

Features / Benefits:

- Available in Material SS316
- Material Traceable to certified material test report
- Three-piece body design, on / off service with two way pattern
- · Low torque actuation Bi-directional flow
- Panel mountable design 'O' Ring energizing Ball Seat
- Quarter turn positive stop handle
- · Every Valve is pressure tested





Product Range & Operating Parameters:

Pressure Rating : UPTO 206 Bar (3000 PSIG) at CWP with PTFE

Seat and Fluorocarbon / PTFE 'O' Ring

• Temperature Rating : -54°C to 180°C (depending on 'O' Ring Material)

• End Connections : Fractional 1/8" to 3/4" Tube OD

: Metric 3mm to 16mm Tube OD

• Pipe Threads : 1/8" to 3/4" Male / Female BSP / BSPT / NPT

Applications:

- Hydraulic
- Gas
- Instrument Air Lines
- General Plant Service

Type Test Approvals:

The design of DAWSONS-TECH Ball Valves Series: VB47 have been tested to Hydrostatic Proof and Burst Test in accordance with MSS SP-99-2016a Clause 5.5 & 5.6.

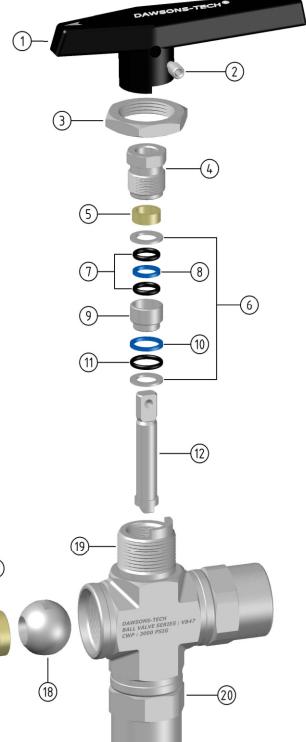
Testing:

- Standard Test: Each Valve is pressure tested with Nitrogen at 1000 PSIG (69 Bar) for leakage at the seat and packing.
- Optional Hydrostatic Test: This test is performed with De-ionized water at 1.5 times the working pressure.

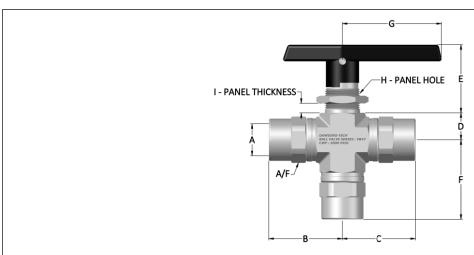
Certification:



	of construction:	
Sr. No.	Part Description	Material
1	Handle With Brass Insert	Nylon
2	Grub Screw	SS316
3	Panel Nut	SS316
4	Packing Nut	SS316
5	Stem Bearing	PEEK
6	Stem Washer	PEEK
7	Stem 'O' Ring	Fluorocarbon
8	Stem Back-up Ring	PTFE
9	Stem Seal Retainer	SS316
10	Retainer Back-up Ring	PTFE
11	Retainer 'O' Ring	Fluorocarbon
12	Valve Stem	SS316
13	End Connector	SS316
14	Connector 'O' Ring	Fluorocarbon
15	Energized Seal	Fluorocarbon
16	Seat Gland	SS316
17	Ball Seat	PEEK / PTFE
18	Floating Ball	SS316
19	Valve Body	SS316
20	End Connector (Inlet)	SS316







STAINDARD	COIVI	JUNA	1101	I DIII	/ILI45	JIOIY	<u> </u>						
End Connec	tion				ı	Dimen	sions	in mm	า				Dawsons-Tech
Туре	Size-A	Orifice (mm)	Cv	В	С	D	Е	F	G	Н	1	A/F	Part No.
	1/8″	4.2	0.92	30.0	30.0	8.6	34.5	31.5	30.0	14.8	4.0	14.27	VB47-FF2N
	1/4''	6.3	2.34	37.7	37.7	13.5	38.2	38.7	38.0	19.5	6.3	22.2	VB47-FF4N
Female NPT	3/8''	8.2	4.30	36.4	36.4	15.3	39.0.	40.2	38.0	19.5	6.3	23.8	VB47-FF6N
	1/2"	10.2	6.42	46.5	46.5	16.0	46.0	50.2	63.5	22.7	9.5.	27.0	VB47-FF8N
	3/4''	12.2	12.45	50.0	50.0	18.6	44.5	53.7	63.5	22.7	9.5	31.5	VB47-FF12N
	1/8"	4.2	0.92	31.6	31.6	8.6	34.4	33.0	30.0	14.8	4.0	14.27	VB47-MM2N
	1/4''	6.3	2.34	42.7	42.7	13.5	38.2	43.7	38.0	19.5	6.3	22.2	VB47-MM4N
Male NPT	3/8''	8.2	4.30	43.0	43.0	15.3	39.0	46.9	38.0	19.5	6.3	23.8	VB47-MM6N
	1/2"	10.2	6.42	49.4	49.4	16.0	46.0	53.0	63.5	22.7	9.5.	27.0	VB47-MM8N
	3/4"	12.2	12.45	52.7	52.7	18.6	44.5	56.5	63.5	22.7	9.5	28.57	VB47-MM12N
	1/8″	4.2	0.92	31.0	31.0	8.6	34.5	32.6	30.0	14.8	4.0	14.27	VB47-TT2
Fractional	1/4''	6.3	2.34	32.8	32.8	13.5	38.2	34.3	38.0	19.5	6.3	22.2	VB47-TT4
	3/8''	8.2	4.30	40.4	40.4	15.3	39.0	41.4	38.0	19.5	6.3	23.8	VB47-TT6
Tube Fittings	1/2"	10.2	6.42	42.0	42.0	16.0	46.0	45.7	63.5	22.7	9.5.	27.0	VB47-TT8
	3/4"	12.2	12.45	45.3	45.3	18.6	44.5	49.0	63.5	22.7	9.5	28.57	VB47-TT12
	3mm	2.0	0.21	31.0	31.0	8.6	34.5	32.6	30.0	14.8	4.0	14.27	VB47-TT3M
	6mm	4.2	0.92	32.8	32.8	8.6	34.5	34.3	30.0	14.8	4.0	14.27	VB47-TT6M
Metric	8mm	6.3	2.34	39.6	39.6	13.5	38.2	40.7	38.0	19.5	6.3	22.2	VB47-TT8M
Tube Fittings	10mm	8.2	4.30	41.6	41.6	15.3	39.0	45.5	38.0	19.5	6.3	23.8	VB47-TT10M
	12mm	10.2	6.42	42.5	42.5	16.0	46.0	46.2	63.5	22.7	9.5.	27.0	VB47-TT12M
	16mm	12.2	12.45	46.0	46.0	18.6	44.5	49.7	63.5	22.7	9.5	28.57	VB47-TT16M

Features and Benefits of DAWSONS-TECH Ball Valves Having Live Load PEEK Seat:



DAWSONS-TECH® High Pressure Ball Valves Series: VB71, VB81, VB87 & VB91 have been very carefully designed with live loaded PEEK Seat to provide reliable leak-tight performance and also to compensate for wear and pressure / temperature changes during its operations. These Valves are most suitable to be used in Fluid / Gas Control Systems in a wide range of industries for pressure rating UPTO 413 Bar (6000 PSIG) for thousands of operating cycles depending on specific site application variables like pressure, temperature, Fluid / Gas media and various level of contaminations.

THE BUILT-IN FEATURES OF THE VALVES MAKE THEM MORE ADAPTABLE FOR SEVERE APPLICATION DEMANDS.

High Pressure Ball Valves Series: VB71, VB81, VB87 & VB91 having Live Loaded PEEK Seats are undoubtedly superior Valves in performance when compared with conventional design without live loaded Ball Seats.

The following factors will guide you to determine the best choice of above series Ball Valves.

Longer Performance Life:

The live loaded PEEK Seat provide reliable leak-tight and continuous repeatable performance and also compensate for wear and pressure / temperature changes during its operations resulting increase its cycle life, reducing the down time & maintenance cost.

Pressure Rating UPTO 413 Bar (6000 PSIG):

The live loaded PEEK Seat protects from damage and wear during its operations at high pressure and also prevents Ball from embedding in the Seats. In addition to this, the end connection Retainer supports the Seats from deformation.

Pressure and Temperature Combination:

Ball Valves Series : VB71, VB81, VB87 & VB91 with live loaded PEEK Seat can be used in severe applications with working pressure UPTO 413 Bar (6000 PSIG) at temperature 121° C (250° F).

For Low Differential Pressure:

The live loaded PEEK Seat design have a leak tightness even at low upstream pressure, which may not possible with conventional design.

Low Actuation Torque:

The live loaded PEEK Seats design and stem sealing system reduces the operation / actuation torque at high pressure.

Fluid / Gas Applications:

Ball Valves Series: VB71, VB81 VB87 & VB91 are designed with live loaded PEEK Seat and stem sealing system provides safe and reliable performance in hazardous media. The live loaded PEEK Seats compensates the seat wear, also it can reduce the need of disassemble system containing hazardous media for maintenance.

Extensive range of End Connections:

DAWSONS-TECH® offers an extensive range of end connection types and size combinations. We provide standard as well as customized end connection of Ball Valves to suit customers applications / needs.

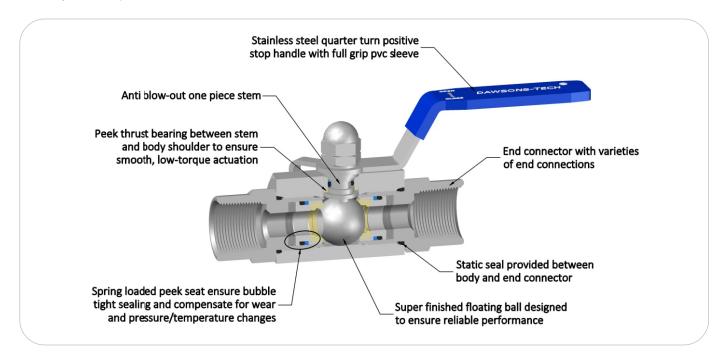


DAWSONS-TECH ® Ball Valves Series: VB71 with live loaded PEEK Seat provides repeated leak tight shut off and also compensate for wear and pressure / temperature fluctuations during its operations. These Valves are most suitable to be used in Fluid / Gas Control System in wide range of industrial segments.

Features / Benefits:

- · Available in Material SS316
- Three-piece design
- · Low torque actuation Bi-directional flow
- Live loaded PEEK Seat
- · Floating Ball design
- · Quarter turn positive stop handle
- Every Valve is pressure tested





Product Range & Operating Parameters :

Pressure Rating : UPTO 680 Bar (10,000 PSIG) at CWP with PTFE

packing, PEEK Seat and Fluorocarbon 'O' Ring

• Temperature Rating : -54°C to 180°C (depending on 'O' Ring Material)

End Connections : Fractional 1/4" to 1" Tube OD

: Metric 6mm to 25mm Tube OD

• Pipe Threads : 1/4" to 1" Male / Female BSP / BSPT / NPT

Applications:

- Hydraulic
- Gas
- Instrument Air Lines
- High Pressure Instrument Lines
- General Plant Service

Type Test Approvals:

The design of DAWSONS-TECH Ball Valves Series: VB71 have been tested to Hydrostatic Proof and Burst Test in accordance with MSS SP-99-2016a Clause 5.5 & 5.6.

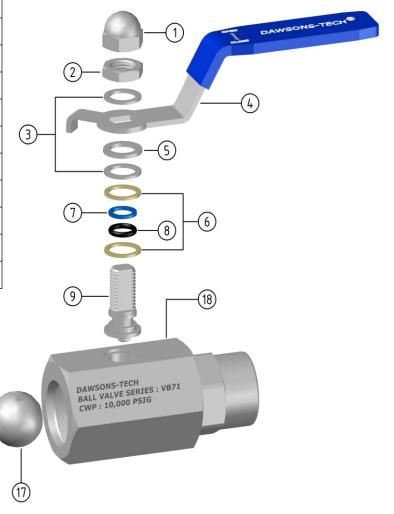
Testing:

- Standard Test: Each Valve is pressure tested with Nitrogen at 1000 PSIG (69 Bar) for leakage at the seat and packing.
- Optional Hydrostatic Test: This test is performed with De-ionized water at 1.5 times the working pressure.

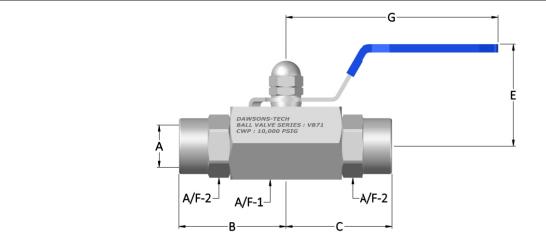
Certification:



Sr. No.	Part Description	Material
1	Locking Dome Nut	SS316
2	Lock Nut	SS316
3	Washer	SS316
4	Handle With PVC Grip	SS316
5	Spring Washer	Stainless Steel
6	Thrust Washer	PEEK
7	Stem Back-up Ring	PTFE
8	Stem 'O' Ring	Fluorocarbon
9	Valve Stem	SS316
10	End Connector	SS316
11	Connector 'O' Ring	Fluorocarbon
12	Belleville Washer	Stainless Steel
13	Gland Back-up Ring	PTFE
14	Gland 'O' Ring	Fluorocarbon
15	Seat Gland	SS316
16	Ball Seat	PEEK
17	Floating Ball	SS316
18	Valve Body	SS316







End Connect	tion			Din	nensions	s in mn	1			Dawsons-Tech
Туре	Size-A	Orifice (mm)	Cv	В	С	Е	G	A/F-1	A/F-2	Part No.
	1/4''	6.3	2.34	35.0	35.0	42.0	87.0	28.57	22.2	VB71-FF4N
	3/8''	8.2	4.30	36.4	36.4	46.0	101.0	31.75	25.4	VB71-FF6N
Female NPT	1/2"	10.2	6.42	46.5	46.5	48.0	101.0	34.93	27.0	VB71-FF8N
	3/4''	12.2	12.45	50.0	50.0	50.0	101.0	38.1	31.75	VB71-FF12N
	1''	16.0	17.35	59.0	59.0	53.0	101.0	44.4	41.27	VB71-FF16N
	1/4''	6.3	2.34	38.1	38.1	42.0	87.0	28.57	22.2	VB71-MM4N
	3/8''	8.2	4.30	43.0	43.0	46.0	101.0	31.75	25.4	VB71-MM6N
Male NPT	1/2"	10.2	6.42	49.4	49.4	48.0	101.0	34.93	27.0	VB71-MM8N
	3/4''	12.2	12.45	52.7	52.7	50.0	101.0	38.1	31.75	VB71-MM12N
	1''	16.0	17.35	62.9	62.9	53.0	101.0	44.4	41.27	VB71-MM16N
	1/4''	6.3	2.34	38.1	35.0	42.0	87.0	28.57	22.2	VB71-MF4N
Male x Female	3/8''	8.2	4.30	43.0	36.4	46.0	101.0	31.75	25.4	VB71-MF6N
	1/2"	10.2	6.42	49.4	46.5	48.0	101.0	34.93	27.0	VB71-MF8N
NPT	3/4''	12.2	12.45	52.7	50.0	50.0	101.0	38.1	31.75	VB71-MF12N
	1''	16.0	17.35	62.9	59.0	53.0	101.0	44.4	41.27	VB71-MF16N
	1/4''	6.3	2.34	35.0	35.0	42.0	87.0	28.57	22.2	VB71-FF4RG
	3/8''	8.2	4.30	38.0	38.0	46.0	101.0	31.75	25.4	VB71-FF6RG
Female BSP	1/2"	10.2	6.42	44.0	44.0	48.0	101.0	34.93	27.0	VB71-FF8RG
	3/4''	12.2	12.45	48.7	48.7	50.0	101.0	38.1	31.75	VB71-FF12RG
	1''	16.0	17.35	61.6	61.6	53.0	101.0	44.4	41.27	VB71-FF16RG
	1/4''	4.8	1.20	37.0	37.0	42.0	87.0	28.57	22.2	VB71-TT4
Fractional	3/8''	6.3	2.34	40.6	40.6	46.0	101.0	31.75	25.4	VB71-TT6
	1/2"	10.2	6.42	42.0	42.0	48.0	101.0	34.93	27.0	VB71-TT8
Tube Fittings	3/4''	12.2	12.45	45.3	45.3	50.0	101.0	38.1	31.75	VB71-TT12
	1''	16.0	17.35	53.0	53.0	53.0	101.0	44.4	41.27	VB71-TT16
	6mm	4.2	0.92	37.8	37.8	42.0	87.0	28.57	22.2	VB71-TT6M
	8mm	6.3	2.34	37.8	37.8	42.0	87.0	28.57	22.2	VB71-TT8M
Metric	10mm	8.2	4.30	41.6	41.6	46.0	101.0	31.75	25.4	VB71-TT10M
Tube Fittings	12mm	10.2	6.42	42.5	42.5	48.0	101.0	34.93	27.0	VB71-TT12M
	16mm	12.2	12.45	46.0	46.0	50.0	101.0	38.1	31.75	VB71-TT16M
	25mm	16.0	17.35	53.0	53.0	53.0	101.0	44.4	41.27	VB71-TT25M

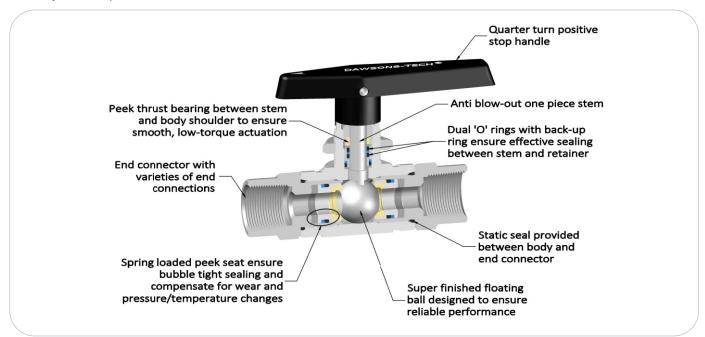


DAWSONS-TECH® Ball Valves Series: VB81 with Live Loaded PEEK Seat provides repeated leak tight shut off and also compensate for wear and Pressure / Temperature fluctuations during its operations. This Valves are most suitable to be used in Fluid / Gas Control System in wide range of Industrial Segments.

Features / Benefits :

- Available in Material SS316
- · Three-piece design with Panel mounting body
- Low torque actuation Bi-directional flow
- Live loaded PEEK Seat
- Floating Ball design
- · Quarter turn positive stop handle
- · Every Valve is pressure tested





Product Range & Operating Parameters:

Pressure Rating : UPTO 413 Bar (6000 PSIG) at CWP with PTFE

packing, PEEK Seat and Fluorocarbon 'O' Ring

• Temperature Rating : -54°C to 180°C (depending on 'O' Ring Material)

End Connections : Fractional 1/4" to 3/4" Tube OD

: Metric 6mm to 16mm Tube OD

Pipe Threads : 1/4" to 3/4" Male / Female BSP / BSPT / NPT

Applications:

- Hydraulic
- Gas
- Instrument Air Lines
- High Pressure Instrument Lines
- General Plant Service

Type Test Approvals:

The design of DAWSONS-TECH Ball Valves Series: VB81 have been tested to Hydrostatic Proof and Burst Test in accordance with MSS SP-99-2016a Clause 5.5 & 5.6.

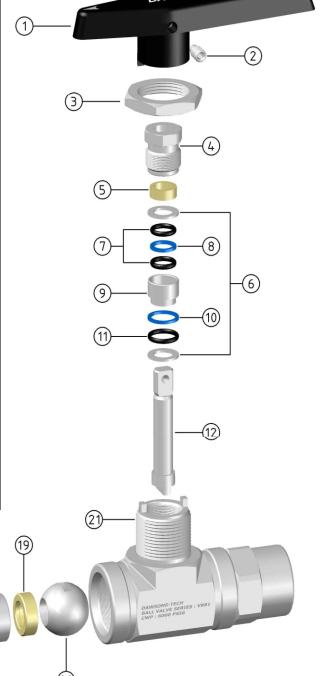
Testing:

- Standard Test: Each Valve is pressure tested with Nitrogen at 1000 PSIG (69 Bar) for leakage at the seat and packing.
- Optional Hydrostatic Test: This test is performed with De-ionized water at 1.5 times the working pressure.

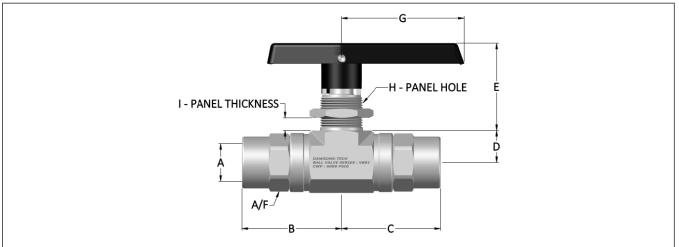
Certification:



Sr. No.	Part Description	Material
1	Handle With Brass Insert	Nylon
2	Grub Screw	SS316
3	Panel Nut	SS316
4	Packing Nut	SS316
5	Stem Bearing	PEEK
6	Stem Washer	PEEK
7	Stem 'O' Ring	Fluorocarbon
8	Stem Back-up Ring	PTFE
9	Stem Seal Retainer	SS316
10	Retainer Back-up Ring	PTFE
11	Retainer 'O' Ring	Fluorocarbon
12	Valve Stem	SS316
13	End Connector	SS316
14	Connector 'O' Ring	Fluorocarbon
15	Belleville Washers	Stainless Steel
16	Gland Back-up Ring	PTFE
17	Gland 'O' Ring	Fluorocarbon
18	Seat Gland	SS316
19	Ball Seat	PEEK
20	Floating Ball	SS316
21	Valve Body	SS316







End Connec	tion		Dimensions in mm									
Туре	Size-A	Orifice (mm)	Cv	В	С	D	E	G	Н	I	A/F	Dawsons-Tech Part No.
	1/8″	4.2	0.92	31.9	31.9	8.6	34.5	30.0	14.8	4.0	14.27	VB81-FF2N
	1/4''	6.3	2.34	39.6	39.6	13.5	38.2	38.0	19.5	6.3	22.2	VB81-FF4N
Female NPT	3/8''	8.2	4.30	42.8	42.8	15.3	39.0.	38.0	19.5	6.3	23.8	VB81-FF6N
	1/2"	10.2	6.42	51.3	51.3	16.0	46.0	63.5	22.7	9.5.	27.0	VB81-FF8N
	3/4''	12.2	12.45	53.6	53.6	18.6	44.5	63.5	22.7	9.5	31.5	VB81-FF12N
	1/8″	4.2	0.92	33.7	33.7	8.6	34.4	30.0	14.8	4.0	14.27	VB81-MM2N
	1/4''	6.3	2.34	42.0	42.0	13.5	38.2	38.0	19.5	6.3	22.2	VB81-MM4N
Male NPT	3/8''	8.2	4.30	46.2	46.2	15.3	39.0	38.0	19.5	6.3	23.8	VB81-MM6N
	1/2"	10.2	6.42	55.2	55.2	16.0	46.0	63.5	22.7	9.5.	27.0	VB81-MM8N
	3/4''	12.2	12.45	57.4	57.4	18.6	44.5	63.5	22.7	9.5	28.57	VB81-MM12N
	1/8″	4.2	0.92	33.7	33.7	8.6	34.5	30.0	14.8	4.0	14.27	VB81-MF2N
Male x Female	1/4''	6.3	2.34	42.0	42.0	13.5	38.2	38.0	19.5	6.3	22.2	VB81-MF4N
	3/8''	8.2	4.30	46.2	46.2	15.3	39.0	38.0	19.5	6.3	23.8	VB81-MF6N
NPT	1/2"	10.2	6.42	55.2	55.2	16.0	46.0	63.5	22.7	9.5.	27.0	VB81-MF8N
	3/4"	12.2	12.45	57.4	57.4	18.6	44.5	63.5	22.7	9.5	28.57	VB81-MF12N
	1/8″	2.2	0.21	33.0	33.0	8.6	34.5	30.0	14.8	4.0	14.27	VB81-TT2
Fractional	1/4''	4.2	0.92	34.7	34.7	8.6	34.5	38.0	19.5	6.3	22.2	VB81-TT4
	3/8''	6.3	2.34	40.2	40.2	13.5	38.2	38.0	19.5	6.3	23.8	VB81-TT6
Tube Fittings	1/2"	10.2	6.42	47.9	47.9	16.0	46.0	63.5	22.7	9.5.	27.0	VB81-TT8
	3/4''	12.2	12.45	50.0	50.0	18.6	44.5	63.5	22.7	9.5	28.57	VB81-TT12
	3mm	2.0	0.21	33.0	33.0	8.6	34.5	30.0	14.8	4.0	14.27	VB81-TT3M
	6mm	4.2	0.92	34.7	34.7	8.6	34.5	30.0	14.8	4.0	14.27	VB81-TT6M
Metric	8mm	6.3	2.34	39.8	39.8	13.5	38.2	38.0	19.5	6.3	22.2	VB81-TT8M
Tube Fittings	10mm	8.2	4.30	44.0	44.0	15.3	39.0	38.0	19.5	6.3	23.8	VB81-TT10M
	12mm	10.2	6.42	47.9	47.9	16.0	46.0	63.5	22.7	9.5.	27.0	VB81-TT12M
	16mm	12.2	12.45	50.4	50.4	18.6	44.5	63.5	22.7	9.5	28.57	VB81-TT16M

Angle Ball Valves Series: VB87

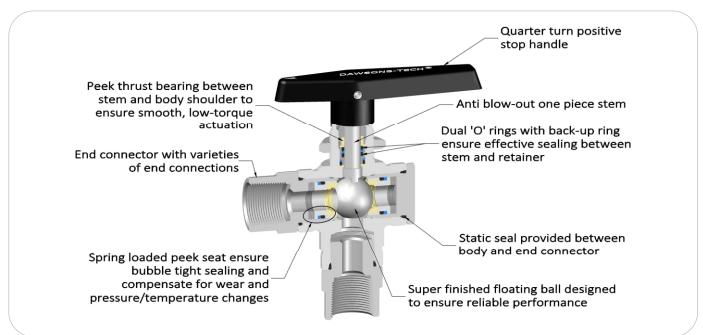


DAWSONS-TECH® Angle Ball Valves Series: VB87 with Live Loaded PEEK Seat provides repeated leak tight shut off and also compensate for wear and Pressure / Temperature fluctuations during its operations.

Features / Benefits:

- · Available in Material SS316
- Material Traceable to certified material test report
- Three-piece body design, on / off service with two way pattern
- · Low torque actuation Bi-directional flow
- · Live Loaded PEEK Seat
- · Panel mountable design
- · Floating Ball Design
- · Quarter turn positive stop handle
- Every Valve is pressure tested





Product Range and Operating Parameters:

Pressure Rating : UPTO 6000 PSIG (413 Bar) at CWP with PTFE packing,

PEEK Seat and Fluorocarbon 'O' Ring

• Temperature Rating : -54°C to 180°C (depending on 'O' Ring Material)

• Tube End Connection: Fractional: 1/8" to 3/4" Tube OD

: Metric: 3mm to 16mm Tube OD

• Pipe Threads : 1/8" to 3/4" Male / Female BSP / BSPT / NPT

Applications:

- Hydraulic
- Gas
- Instrument Air Lines
- · General Plant Service
- High Pressure Instrument Lines

Type Test Approvals:

The design of *DAWSONS-TECH* Ball Valves Series: VB87 have been tested to Hydrostatic Proof and Burst Test in accordance with MSS SP-99-2016a Clause 5.5 & 5.6.

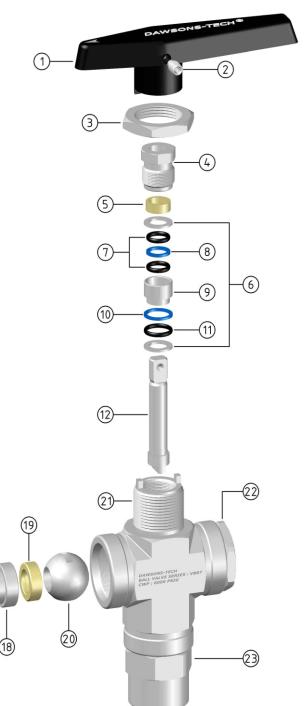
Testing:

- Standard Test: Each Valve is pressure tested with Nitrogen at 1000 PSIG (69 Bar) for leakage at the seat and packing.
- Optional Hydrostatic Test: This test is performed with De-ionized water at 1.5 times the working pressure.

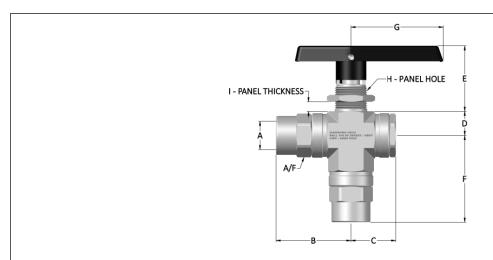
Certification:



	-		
Sr. No.	Part Description	Material	
1	Handle With Brass Insert	Nylon	
2	Grub Screw	SS316	
3	Panel Nut	SS316	
4	Packing Nut	SS316	
5	Stem Bearing	PEEK	
6	Stem Washer	PEEK	
7	Stem 'O' Ring	Fluorocarbon	
8	Stem Back-up Ring	PTFE	
9	Stem Seal Retainer	SS316	
10	Retainer Back-up Ring	PTFE	
11	Retainer 'O' Ring	Fluorocarbon	
12	Valve Stem	SS316	
13	End Connector	SS316	
14	Connector 'O' Ring	Fluorocarbon	
15	Belleville Washers	Stainless Steel	
16	Gland Back-up Ring	PTFE	
17	Gland 'O' Ring	Fluorocarbon	
18	Seat Gland	SS316	
19	Ball Seat	PEEK	
20	Floating Ball	SS316	
21	Valve Body	SS316	
22	End Plug	SS316	
23	End Connector (Inlet)	SS316	







End Connec				1	Dimen	sions	in mm	1				Dawsons-Tech	
Туре	Size-A	Orifice (mm)	Cv	В	С	D	Е	F	G	Н	1	A/F	Part No.
	1/8"	4.2	0.92	30.0	23.2	8.6	34.5	34.3	30.0	14.8	4.0	14.27	VB87-FF2N
	1/4''	6.3	2.34	37.7	26.0	13.5	38.2	43.8	38.0	19.5	6.3	22.2	VB87-FF4N
Female NPT	3/8''	8.2	4.30	36.4	28.8	15.3	39.0.	46.0	38.0	19.5	6.3	23.8	VB87-FF6N
	1/2''	10.2	6.42	46.5	31.5	16.0	46.0	54.6	63.5	22.7	9.5	27.0	VB87-FF8N
	3/4''	12.2	12.45	50.0	33.6	18.6	44.5	58.0	63.5	22.7	9.5	31.5	VB87-FF12N
	1/8"	4.2	0.92	31.6	23.2	8.6	34.4	36.0	30.0	14.8	4.0	14.27	VB87-MM2N
	1/4''	6.3	2.34	42.7	26.0	13.5	38.2	46.2	38.0	19.5	6.3	22.2	VB87-MM4N
Male NPT	3/8''	8.2	4.30	43.0	28.8	15.3	39.0	49.2	38.0	19.5	6.3	23.8	VB87-MM6N
	1/2''	10.2	6.42	49.4	31.5	16.0	46.0	58.5	63.5	22.7	9.5.	27.0	VB87-MM8N
	3/4''	12.2	12.45	52.7	33.6	18.6	44.5	62.0	63.5	22.7	9.5	28.57	VB87-MM12N
	1/8"	4.2	0.21	33.0	23.2	8.6	34.5	35.2	30.0	14.8	4.0	14.27	VB87-TT2
Fractional	1/4''	6.3	0.92	34.7	26.0	13.5	38.2	37.0	38.0	19.5	6.3	22.2	VB87-TT4
	3/8''	8.2	2.34	40.2	28.8	15.3	39.0	44.4	38.0	19.5	6.3	23.8	VB87-TT6
Tube Fittings	1/2''	10.2	6.42	47.9	31.5	16.0	46.0	51.2	63.5	22.7	9.5.	27.0	VB87-TT8
	3/4''	12.2	12.45	50.0	33.6	18.6	44.5	54.5	63.5	22.7	9.5	28.57	VB87-TT12
	3mm	2.0	0.21	31.0	23.2	8.6	34.5	35.2	30.0	14.8	4.0	14.27	VB87-TT3M
	6mm	4.2	0.92	32.8	23.2	8.6	34.5	37.2	30.0	14.8	4.0	14.27	VB87-TT6M
Metric	8mm	6.3	2.34	39.6	26.0	13.5	38.2	44.0	38.0	19.5	6.3	22.2	VB87-TT8M
Tube Fittings	10mm	8.2	4.30	41.6	28.8	15.3	39.0	47.0	38.0	19.5	6.3	23.8	VB87-TT10M
	12mm	10.2	6.42	42.5	31.5	16.0	46.0	51.6	63.5	22.7	9.5.	27.0	VB87-TT12M
	16mm	12.2	12.45	46.0	33.6	18.6	44.5	55.0	63.5	22.7	9.5	28.57	VB87-TT16M

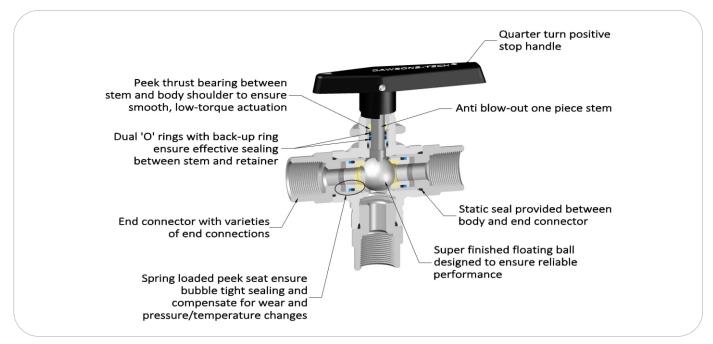


DAWSONS-TECH® Ball Valves Series: VB91 with Live Loaded PEEK Seat provides repeated leak tight shut off and also compensate for wear and pressure / temperature fluctuations during its operations. This Valves are most suitable to be used in Fluid / Gas Control System in wide range of industrial segments. This Valves can be used for diverting the flow of Fluid / Gas utilized in industries like Process and Instrumentation. The Threeway Ball Valves are designed to inlet the media through the bottom port and direct it out from any of the two outlet ports. These Valves are also used to inlet the media from either of two inlet side ports and divert it through a single bottom outlet port.



Features / Benefits:

- Available in Material SS316
- 180° Low Torque Actuation
- Live loaded PEEK Seat
- Panel Mounting and Floating Ball design
- · Every Valve is pressure tested



Product Range & Operating Parameters :

• Pressure Rating : UPTO 413 Bar (6000 PSIG) at CWP with PTFE

packing, PEEK Seat and Fluorocarbon 'O' Ring

• Temperature Rating : -54°C to 180°C (depending on 'O' Ring Material)

End Connections : Fractional 1/4" to 3/4" Tube OD

: Metric 6mm to 16mm Tube OD

• Pipe Threads : 1/4" to 3/4" Male / Female BSP / BSPT / NPT

Applications:

- Hydraulic
- Gas
- Instrument Air Lines
- High Pressure Instrument Lines
- · General Plant Service

Type Test Approvals:

The design of DAWSONS-TECH Ball Valves Series: VB91 have been tested to Hydrostatic Proof and Burst Test in accordance with MSS SP-99-2016a Clause 5.5 & 5.6.

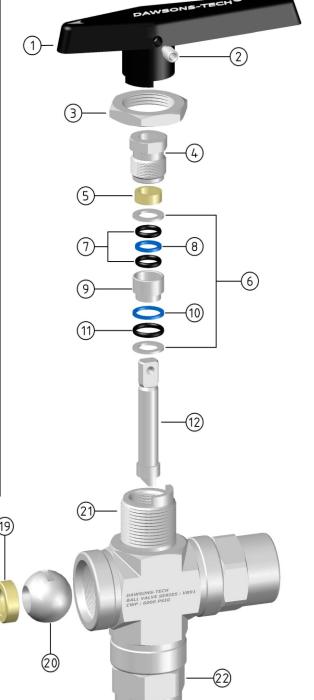
Testing:

- Standard Test: Each Valve is pressure tested with Nitrogen at 1000 PSIG (69 Bar) for leakage at the seat and packing.
- Optional Hydrostatic Test: This test is performed with De-ionized water at 1.5 times the working pressure.

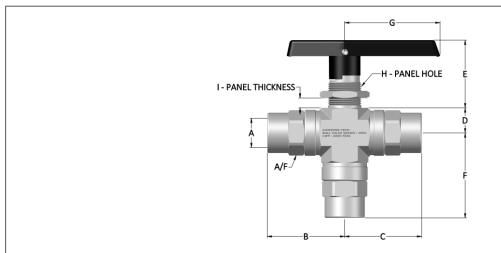
Certification:



•							
Sr. No.	Part Description	Material					
1	Handle With Brass Insert	Nylon					
2	Grub Screw	SS316					
3	Panel Nut	SS316					
4	Packing Nut	SS316					
5	Stem Bearing	PEEK					
6	Stem Washer	PEEK					
7	Stem 'O' Ring	Fluorocarbon					
8	Stem Back-up Ring	PTFE					
9	Stem Seal Retainer	SS316					
10	Retainer Back-up Ring	PTFE					
11	Retainer 'O' Ring	Fluorocarbon					
12	Valve Stem	SS316					
13	End Connector	SS316					
14	Connector 'O' Ring	Fluorocarbon					
15	Belleville Washers	Stainless Steel					
16	Gland Back-up Ring	PTFE					
17	Gland 'O' Ring	Fluorocarbon					
18	Seat Gland	SS316					
19	Ball Seat	PEEK					
20	Floating Ball	SS316					
21	Valve Body	SS316					
22	End Connector (Inlet)	SS316					







End Connec					Dimen	sions	in mm	1				Dawsons-Tech	
Туре	Size-A	Orifice (mm)	Cv	В	С	D	Е	F	G	Н	1	A/F	Part No.
	1/8″	4.2	0.92	31.9	31.9	8.6	34.5	34.3	30.0	14.8	4.0	14.27	VB91-FF2N
	1/4''	6.3	2.34	39.6	39.6	13.5	38.2	43.8	38.0	19.5	6.3	22.2	VB91-FF4N
Female NPT	3/8''	8.2	4.30	42.8	42.8	15.3	39.0.	46.0	38.0	19.5	6.3	23.8	VB91-FF6N
	1/2''	10.2	6.42	51.3	51.3	16.0	46.0	54.6	63.5	22.7	9.5	27.0	VB91-FF8N
	3/4''	12.2	12.45	53.6	53.6	18.6	44.5	58.0	63.5	22.7	9.5	31.5	VB91-FF12N
	1/8″	4.2	0.92	33.7	33.7	8.6	34.4	36.0	30.0	14.8	4.0	14.27	VB91-MM2N
	1/4''	6.3	2.34	42.0	42.0	13.5	38.2	46.2	38.0	19.5	6.3	22.2	VB91-MM4N
Male NPT	3/8''	8.2	4.30	46.2	46.2	15.3	39.0	49.2	38.0	19.5	6.3	23.8	VB91-MM6N
	1/2''	10.2	6.42	55.2	55.2	16.0	46.0	58.5	63.5	22.7	9.5.	27.0	VB91-MM8N
	3/4''	12.2	12.45	57.4	57.4	18.6	44.5	62.0	63.5	22.7	9.5	28.57	VB91-MM12N
	1/8"	4.2	0.21	33.0	33.0	8.6	34.5	35.2	30.0	14.8	4.0	14.27	VB91-TT2
Fractional	1/4''	6.3	0.92	34.7	34.7	13.5	38.2	37.0	38.0	19.5	6.3	22.2	VB91-TT4
	3/8''	8.2	2.34	40.2	40.2	15.3	39.0	44.4	38.0	19.5	6.3	23.8	VB91-TT6
Tube Fittings	1/2''	10.2	6.42	47.9	47.9	16.0	46.0	51.2	63.5	22.7	9.5.	27.0	VB91-TT8
	3/4''	12.2	12.45	50.0	50.0	18.6	44.5	54.5	63.5	22.7	9.5	28.57	VB91-TT12
	3mm	2.0	0.21	33.2	33.2	8.6	34.5	35.2	30.0	14.8	4.0	14.27	VB91-TT3M
	6mm	4.2	0.92	35.0	35.0	8.6	34.5	37.2	30.0	14.8	4.0	14.27	VB91-TT6M
Metric	8mm	6.3	2.34	39.8	39.8	13.5	38.2	44.0	38.0	19.5	6.3	22.2	VB91-TT8M
Tube Fittings	10mm	8.2	4.30	44.0	44.0	15.3	39.0	47.0	38.0	19.5	6.3	23.8	VB91-TT10M
	12mm	10.2	6.42	47.9	47.9	16.0	46.0	51.6	63.5	22.7	9.5.	27.0	VB91-TT12M
	16mm	12.2	12.45	50.4	50.4	18.6	44.5	55.0	63.5	22.7	9.5	28.57	VB91-TT16M



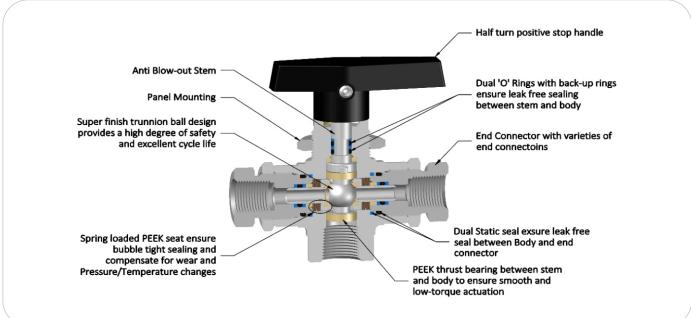
DAWSON-TECH ® High Pressure Trunion 3 Way Ball Valve series VB95 have been very carefully designed with live loaded PEEK Seat to provide reliable leak-tight high cycle performance and also to compensate for wear and pressure / temperature changes during its operations.

The Trunion Ball Valve designed having bearing support to minimise operating torque and seat wear.

Features / Benefits:

- Available in Material SS316
- Panel Mounting
- 180° Low Torque Actuation
- Every Valve is pressure tested
- Live loaded PEEK Seat





Product Range & Operating Parameters :

Pressure Rating : UPTO 413 Bar (6000 PSIG) at CWP with PTFE

packing, PEEK Seat and Viton® 'O' Ring

Temperature Rating : UPTO 120°C with Viton® 'O' Ring
 End Connections : Fractional 1/4" to 1/2" Tube OD

: Metric 6mm to 12mm Tube OD

• Pipe Threads : 1/8" to 3/8" NPT (Female)

Applications:

 High Pressure Fluid / Gas Control systems.

Type Test Approvals:

The design of DAWSONS-TECH High Pressure Ball Valves Series: VB95 have been tested to Hydrostatic Proof and Burst Test in accordance with MSS SP-99-2016a Clause 5.5 & 5.6.

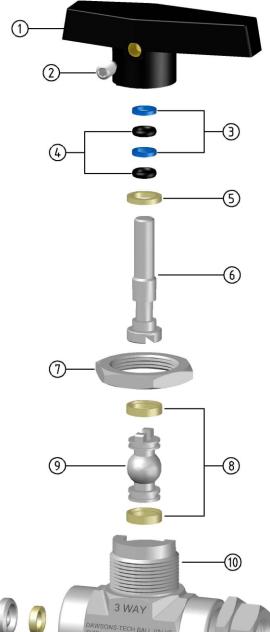
Testing:

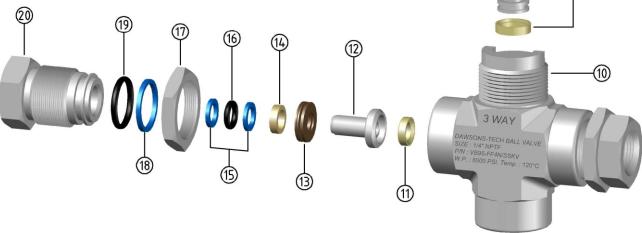
- Standard Test: Each Valve is pressure tested with Nitrogen at 1000 PSIG (69 Bar) for leakage at the seat and 'O' Ring Seal
- Optional Hydrostatic Test: This test is performed with De-ionized water at 1.5 times the working pressure.

Certification:

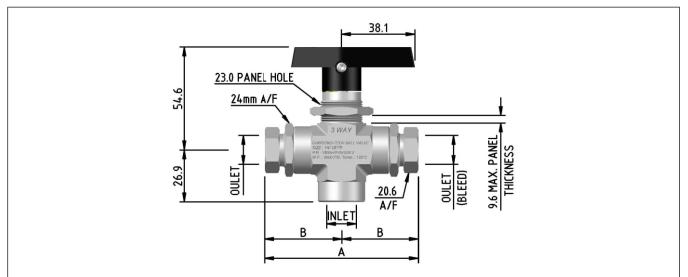


Sr. No.	Part Description	Material
1	Handle (Insert)	Nylon (Brass)
2	Set Screw	SS316
3	Back-up Ring	PTFE
4	Stem 'O' Ring	Viton
5	Stem Bearing	PEEK
6	Valve Stem	SS316
7	Panel Nut	SS316
8	Trunnion Ball Baring	PEEK
9	Trunnion Ball	SS316
10	Valve Body	SS316
11	Ball Seat	PEEK
12	Seat Retainer	SS316
13	Seat Spring	Stainless Steel
14	Seat Retainer Guide	SS316
15	Back-up Ring	PTFE
16	'O' Ring	Viton
17	End Connector Lock Nut	SS316
18	End Connector Seal	PTFE
19	End Connector 'O' Ring	Viton
20	End Connector	SS316









End Connections		Orifice	Cv	Dimensio	ns in mm	Dawsons-Tech	
Inlet	Outlet	(mm)	Cv	Α	В	Part No.	
1/8" NPT (Female)	1/8" NPT (Female)	4.8	0.75	79.0	39.5	VB95-FF2N	
1/4" NPT (Female)	1/4" NPT (Female)	4.8	0.75	80.0	40.5	VB95-FF4N	
1/4" ODT	1/4" ODT	4.8	0.75	115.0	57.5	VB95-TT4	
3/8" ODT	3/8" ODT	4.8	0.75	118.0	59.0	VB95-TT6	
1/2" ODT	1/2" ODT	4.8	0.75	123.0	61.0	VB95-TT8	
6mm ODT	6mm ODT	4.8	0.75	115.0	57.5	VB95-TT6M	
8mm ODT	8mm ODT	4.8	0.75	116.0	58.0	VB95-TT8M	
10mm ODT	10mm ODT	4.8	0.75	118.0	59.0	VB95-TT10M	
12mm ODT	12mm ODT	4.8	0.75	123.0	61.5	VB95-TT12M	

Instrumentation Ball Valves



Ordering Information:

For Example: PART NO. VB71-FF8N-SSKV (TWO-WAY BALL VALVES SERIES: VB71)

Valve Series	End Connection Type Port 1 / Port 2	End Connection Size	Pipe Thread Type	Material of Construction	Ball Seat	Seal Material
VB71	FF	8	N	SS	K	V
1	2	3	4	5	6	7

For Example: PART NO. VB81-TT8-SSKV (TWO-WAY BALL VALVES SERIES: VB81)

Valve Series	End Connection Type Port 1 / Port 2	End Connection Size	Pipe Thread Type	Material of Construction	Ball Seat	Seal Material
VB81	TT	8	-	SS	K	V
1	2	3	4	5	6	7

For Example: PART NO. VB91-TT4-SSKV (THREE-WAY BALL VALVES SERIES: VB91)

Valve Series	End Connection Type Port 1 / Port 2 / Port 3	End Connection Size	Pipe Thread Type	Material of Construction	Ball Seat	Seal Material
VB91	TT	4	-	SS	K	V
1	2	3	4	5	6	7

		VB41
	1) Valve Series	VB43
		VB45
		VB47
1)		VB71
		VB81
		VB87
		VB91
		VB95

	End Connection	Т	: Tube OD
2)	Type	F	: Female
	.,,,,,	М	: Male

	End C	onnection S	Size Tube Fitt	ings			
	Fraction	al Tube	Metric Tube				
	2	1/8″	3m	3mm			
	4	1/4″	6m	6mm			
	6	3/8″	8m	8mm			
	8	1/2″	10m	10mm			
	12	3/4"	12m	12mm			
3)	16	1"	22m	22mm			
			25m	25mm			
			2	1/8″			
			4	1/4″			
	Pipe End		6	3/8"			
	Connection Size		8	1/2″			
			12	3/4"			
			16	1"			

	End Connection Thread Type	N	: NPT
4)		RT	: BSPT
		RG	: BSP (Female)

5)	Material	SS	: SS316
		SSL	: SS316L
		CS	: Carbon Steel

6)	Valve Seat	Т	: PTFE
		K	: PEEK

7)	'O' Ring	V	: Fluorocarbon
		R	: Nitrile
		E	: EPR
		Z	: Neoprene

Our Comprehensive Product Line

DAWSGNS;TECH®



Fueling Products



Twin Ferrule Compression Tube Fittings



Tube Fittings for Pressure Rating 15000 PSIG



Precision Thread Pipe Fittings & Adapters



37° Flare Fittings



2 Way Ball Valves



3 Way Trunnion Ball Valves



Check Valves



2 / 3 Way Manifold / Block & Bleed Valves



Relief Valves



CNG Receptacles Series : DTLR01 & DTLR03



CNG Receptacles Series : DTSR05 & DTSR07



NOTES:



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