

Resilient seated high pressure ball valves High performance ball valves capable of pressures to 6000 psi, temperatures to 450°F

VALBOL Series HP15 – standard bore - and HP 19 – full bore - three-piece ball valve is designed to handle high pressure applications beyond the capabilities of the HP44 line of valves. Valve is designed to ANSI B16.34 specifications with advanced seal technology.

This means a very strong and tough valve that can handle high pressure in hydraulic and compressed natural gas processes with a design that assures bi-directional tight shutoff and adjusts automatically for changing pressures and temperatures.

Applications

High pressure liquids & gases
Secondary injection
Hydraulic systems
Production manifolds
CNG distribution



Multiple End Connections, Seat and Seal Combinations

Features which make this tough reliable ball valve so unique include tight shut-off, smooth two-way flow, advanced seat material and variety of interchangeable end connections.

A variety of pipe ends, including socket weld, screw ends, butt weld or any combination of these, enables Series HP15/19 valves to be adapted to fit standard and more unusual piping situations. Series HP15/19 valves can also be welded in place fully assembled with extended weld ends.

The range of seat material includes Delrin and Peek. These seats easily handle a great majority of industrial fluids with temperatures from -20°F to +450°F including chemicals, petrochemicals, petroleum products, etc.

Bi-Directional Sealing

Series HP15/19 ball valves are designed to seal bi-directionally against resilient seats. The special design assist in downstream sealing and reduce torque. The ball is forced to the downstream side under pressure and forced against the downstream seat to effect and maintain a seal. Consequently, the valve will give bubble-tight shut-off throughout a long in-service life.

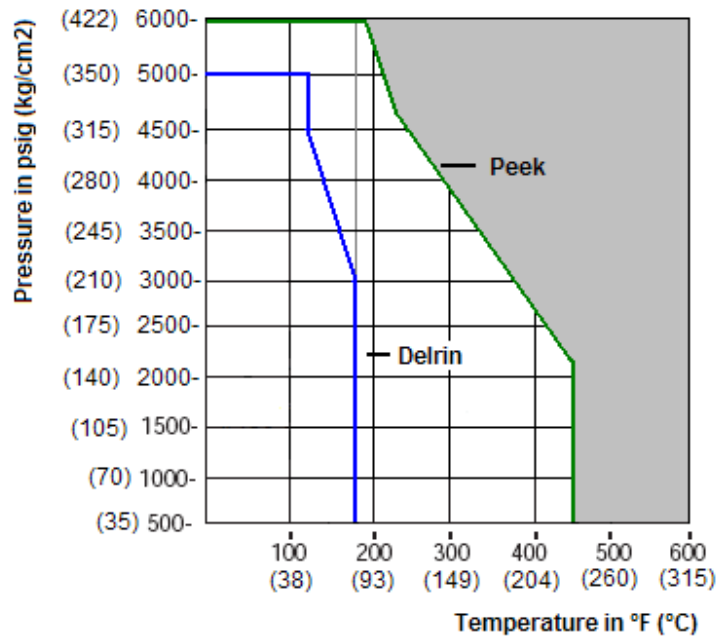
Automation

VALBOL offers a complete line of pneumatic and electric automation packages for Series HP44 valves. Both pneumatic and electric packages are offered for on/off control. Available options include:

- Failsafe operation
- Top mounted limit switches
- Proximity switches
- Single and double acting pneumatic actuators
- TYPE 4, 4x, 7 and 9 enclosures
- Remote position indication
- Positioners

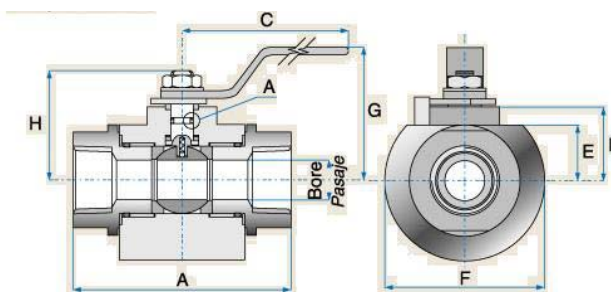
Cv. Data and Seat Pressure/Temperature Ratings

Valve Size	Cv USGPM)
1/2"	7
3/4"	10
1"	30
1.1/2"	89
2"	130



The product must not be used in this region.

Dimensions



Model 15 Standard Bore

Size Tamaño	Bore Pasaje	A	C	E	F	G	H	I	kg
3/4"	0.56	4.33	5.83	0.81	2.44	1.99	1.81	1.08	1.8
DN 20	14.3	110.0	148.0	20.5	62.0	50.5	45.9	27.5	1.8
1"	0.81	5.08	6.91	1.1	2.97	2.41	2.36	1.38	3.0
DN 25	20.6	129.0	175.5	28.0	75.5	61.25	60.0	35.0	3.0
1 1/4"	1.00	5.63	6.91	1.29	3.42	2.60	2.55	1.57	4.5
DN 32	25.4	143.0	175.5	32.8	87.0	66.0	64.8	39.8	4.5
1 1/2"	1.25	6.70	6.91	1.47	3.71	2.78	2.73	1.75	6.8
DN 40	31.8	170.0	175.5	37.4	94.2	70.7	69.4	44.4	6.8

Model 19 Full Bore

Size Tamaño	Bore Pasaje	A	C	E	F	G	H	I	kg
1/4"	0.56	3.40	5.83	0.81	2.44	1.99	1.81	1.08	1.8
DN 8	14.3	86.5	148.0	20.5	62.0	50.5	45.9	27.5	1.8
3/8"	0.56	3.56	5.83	0.81	2.44	1.99	1.81	1.08	1.8
DN 10	14.3	90.5	148.0	20.5	62.0	50.5	45.9	27.5	1.8
1/2"	0.56	4.33	5.83	0.81	2.44	1.99	1.81	1.08	1.8
DN 15	14.3	110.0	148.0	20.5	62.0	50.5	45.9	27.5	1.8
3/4"	0.81	5.08	6.91	1.10	2.97	2.41	2.36	1.38	3.0
DN 20	20.6	129.0	175.5	28.0	75.5	61.25	60.0	35.0	3.0
1"	1.00	5.63	6.91	1.29	3.42	2.60	2.55	1.57	4.5
DN 25	25.4	143.0	175.5	32.8	87.0	66.0	64.8	39.8	4.5
1 1/4"	1.25	6.70	6.91	1.47	3.71	2.78	2.73	1.75	6.8
DN 32	31.8	170.0	175.5	37.4	94.2	70.7	69.4	44.4	6.8

Ordering Instructions

1. Model	2. Size	3. Options	4. Body	5. Ball & Stem	6. Seat	7. Body Seals	8. Ends	9. Operator
15 19	02-DN8 (1/4") 03-DN10 (3/8") 05-DN15 (1/2") 07-DN20 (3/4") 10-DN25 (1") 12-DN32 (1.1/4") 15-DN40 (1.1/2") 20-DN50 (2")	0-Standard 1-More than one A- Antistatic F-Fire Safe H-High pressure J-Extended Stem L-B7 bolting M- W/male threads P-Relief hole Q-Vacuum Service R-Spring return handle S-SS bolting & accs.	4 - C. Steel 6 - SS316	6 - SS316	Y - Delrin H - Peek	B - Nitrile Buna E - EPR N - Neoprene T - PTFE V - Viton	B - BSPT N - NPT S - SW pipe T - SW tube V - BW tube W - BW pipe X - Ext. BW	A - Actuator M - Wrench N - Bare stem

Example

1	2	3	4	5	6	7	8	9
19	07	F	4	6	H	B	X	M



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Bul. VBH15-19/3 03-2