

## CVS Controls Ltd. Series V-166 High Pressure Ball Valve

The CVS Controls Series V-166 is High Pressure Ball Valve, available in either a 1 inch (2000psi) or 2 inch (1500 psi) design.

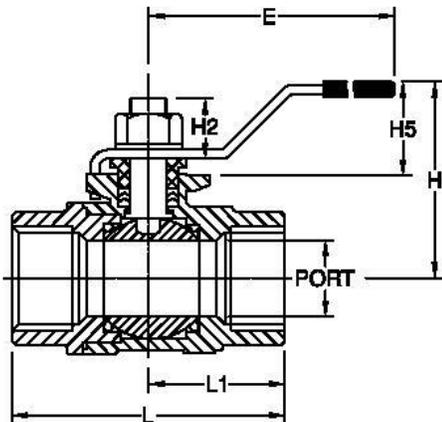
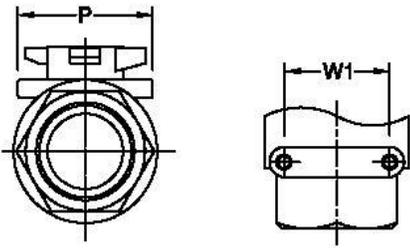
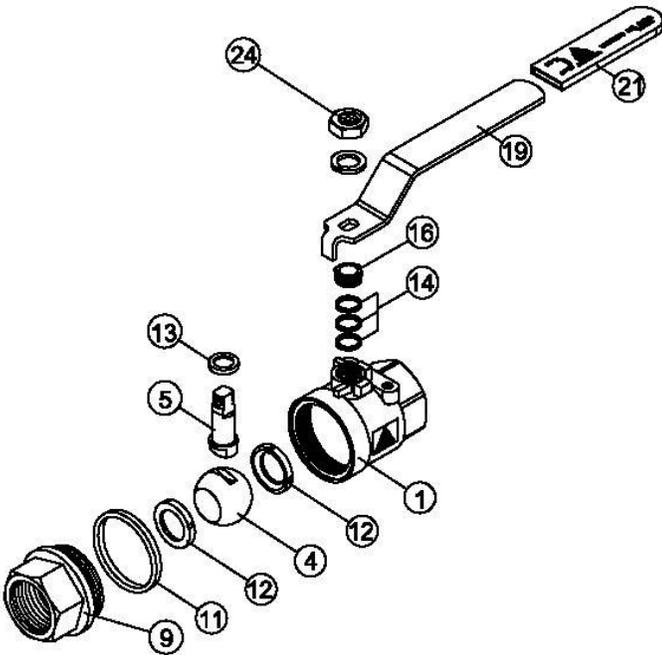
### Features:

- Investment cast body construction
- 2 Piece Body Design
- Full Port –1” or 2” design
- Standard CF8M Body
- PEEK Seats
- ISO 5211 Mounting Flange
- Seal Welded Body
- Blow out proof stem construction
- NPT Threaded End Connections
- Economical
- CRN Certified



CVS Series V-166 - 2 Inch

## SPECIFICATIONS – 1 Inch and 2 Inch, Full Port



Series V-166

Size	1 Inch and 2 Inch	Full Port
End Connection	NPT Threaded Ends	
Working Pressure	1" 2000 psi	2" 1500 psi
Temperature Limits	-40°C to 180°C	-40°F to 356°F
<b>STANDARDS</b>		
Design	ASME/ANSI B16.34 - latest	
Materials	ASTM	
Pressure Rating	API 598	
<b>CERTIFICATIONS</b>		
CRN		
Quality Assurance	ISO 9001	

Materials		
No	Description	Material
1	Body	CF8M
4	Ball	CF8M
5	Stem	SS316
9	End Cap	CF8M
11	Body Seal	PTFE
12	Seat	PEEK
13	Thrust Washer	PTFE
14	Stem Packing	PTFE
16	Gland Nut	SS304
19	Handle	SS304
21	Handle Cover	PLASTIC
24	Handle Nut	SS304

Size	Port	L	L1	E	H	H2	H5	P	W1
1"	25.0	90.0	45.0	145.0	69.3	17.7	45.8	45.8	35.0
2"	50.0	140.0	69.5	189.0	95.0	20.0	52.7	49.2	38.0
<b>Dimensions - In</b>									
1"	1	3.54	1.77	5.70	2.72	0.69	1.80	1.80	1.37
2"	2	5.51	2.73	7.44	3.74	0.78	2.07	1.93	1.49

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