



# 3PC HIGH PRESSURE BALL VALVE

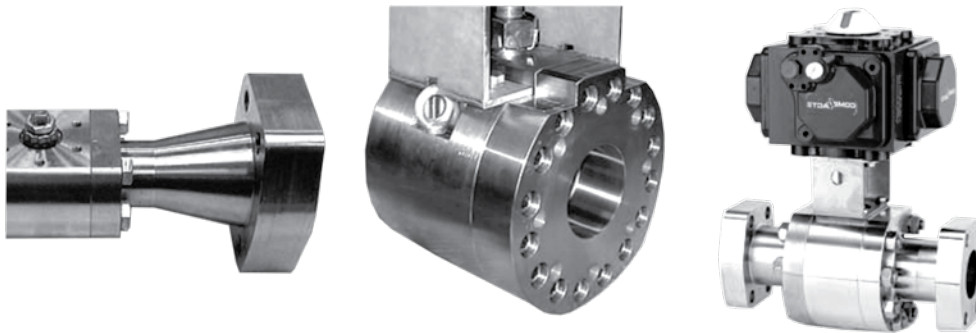
## H27 Series

### ANSI Class

2500 (6000 psi) 1/2" - 2 1/2"

1500 (3800 psi) 3' - 8"

Available in Full or Reduced Port Designs



### Available End Connections

ANSI 1500 RF

ANSI 2500 RF

Socket Weld Class #2500

Butt Weld SCH 160

Extended BW SCH 160

SAE Flanged 3000 psi Code 61

SAE Flanged 6000 psi Code 62

SAE Split Flange Code 61

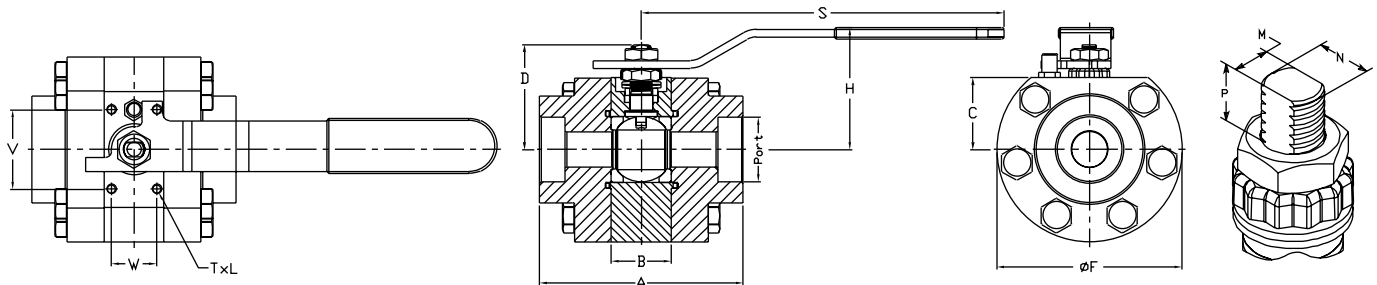
SAE Split Flange Code 62

ISO 6164 Flanged

Threaded DIN 3852

SAE J1926 & ISO 11926

ANSI B1.20.1



### Valves Dimensions (inch) 1/2" - 2 1/2"

Consult Factory for Larger Sizes

SIZE	Port	A	B	C	D	F	H	M	N	P	S	T x L	W	V	Wgt (lb)	Cv	Kv
1/2"	0.44	3.07	0.81	1.06	1.50	2.74	1.81	0.218	3/8" UNF	0.276	7.05	M5x8	-	1.339	3.53	8	6.9
3/4"	0.56	3.35	0.97	1.16	1.59	3.11	1.89	0.218	3/8" UNF	0.276	7.05	M5x8	0.591	1.339	5.29	12	10.3
1"	0.81	4.25	1.25	1.50	2.19	3.86	2.52	0.297	7/16" UNF	0.276	7.56	M5x8	0.945	1.654	9.92	32	27.6
1-1/4"	1.00	4.76	1.62	1.50	2.37	4.13	2.71	0.297	7/16" UNF	0.276	7.56	M5x8	0.945	1.654	11.90	57	49.1
1-1/2"	1.25	5.16	1.91	1.97	2.87	5.04	3.19	0.343	9/16" UNF	0.394	11.3	M6x8	1.417	1.575	20.94	80	69.0
2"	1.50	5.59	2.22	2.17	3.06	5.71	3.19	0.343	9/16" UNF	0.394	11.3	M6x8	1.575	2.283	28.88	104	89.7
2-1/2"	2.00	6.80	2.86	3.04	4.56	7.48	5.79	0.548	M20x2.5-6g	0.650	10.1	M12x16	1.969	3.622	55.12	240	206.9

***A Valve Built for Your Most Demanding Application***

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

### Technical Summary

Size Range	1/4" - 8" (DN6-DN200)
Class Range	1/4" - 2 1/2" up to class 2500; 3" - 8" up to class 1500
End Connection	Screwed, socket weld, butt weld; Flanged (ANSI, ISO, SAE, DIN)
Design	ASME/ANSI B16.34
Application	Offshore drilling, Oil & Gas production, Chemical, Petrochemical, Refinery, Energy
Service	Liquid & Gases
Material	Stainless Steel, Carbon Steel & Others
Certification	Fire Safe to API 607 4th edition PED 97/23/EC ATEX Directive 94/9/EC Lloyds Type approved to ISO 17292 & API6D
Operation	Hand or Gear operated, Pneumatic or Electric actuated

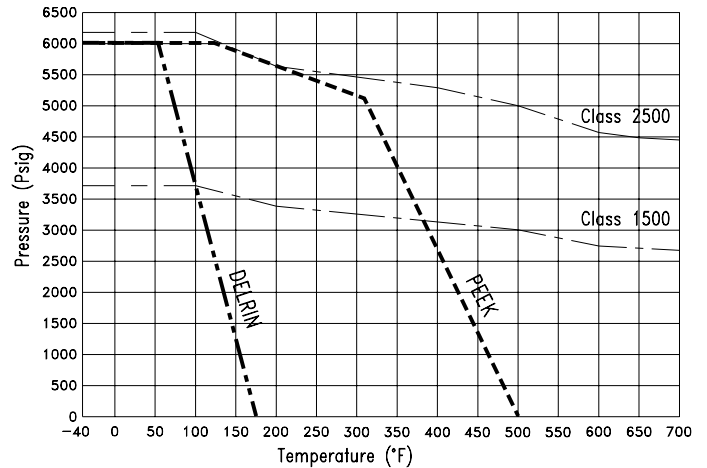
### Material Specifications

Item	Name	Material Specification	Qty
1	Body	Stainless St. ASTM A479 316 Carbon St. ASTM A105 Carbon St. ASTM A350 LF2	1
2	End Cap	Stainless St. ASTM A479 316 Carbon St. ASTM A105 Carbon St. ASTM A350 LF2	2
3	Ball	Stainless St. ASTM A564 17-4PH (1/2"-3/4")	1
4	Stem	Stainless St. ASTM A564 17-4PH	1
5	Seat Ring	Delrin, PEEK, Metal	2
6	Body Seal	NBR shore 90 Graphite	2
7	Stem Thrust Seal	Nylatron, PEEK	1
8	Stem Packing	25% Carbon filled PTFE Graphite	2
9	Follower	Stainless St. ASTM B783 316L	1
10	Disc Spring	Stainless St. ASTM A693 17-7PH	2
11	Stem Nut	Stainless St. ASTM A194 316	1
12	Locking Clip	Stainless St. ASTM A164 304	1
13	Handle	Stainless St. ASTM A240 430 Carbon St. St 37 Zinc Plated	1
14	Serrated Washer	Stainless St. ASTM AISI 410	1
15	Handle Nut	Stainless St. ASTM A194 316	1
16	Stop Pin	Stainless St. ASTM A582 303	1
17	Body Bolts	Stainless St. ISO 4014 A4-80 Carbon St. ISO 4014 G. 8.8 Zinc Plated	6-8
18	Body Nuts	Stainless St. ISO 4032 A4 Carbon St. ISO 4032 Gr. 8.8 Zinc Plated	6-8
19	Handle Sleeve	Vinyl Plastisol	1

### Standard Compliance

Design	ANSI B16.34
Threaded End Connections	NPT ANSI B1.20.1 DIN 3852, SAE J1926 (ISO 11926)
Socket Weld End Connections	ANSI B16.11
Buttweld End Connections	ANSI B16.25
Flanged End Connections	ANSI B16.10, SAE J518 (ISO 6162) ISO 6164, DIN
Pressure Testing	API 598, API 6D BS EN 12266-1, BS EN 12266-2 ISO 5208
Certification	ISO 9001-2000 PED 97/23/EC Module H ATEX Directive 94/9/EC
Fire Safe	API 607, API 6FA
NACE (must be specified)	MR-0175

### Pressure Temperature Chart



### Exploded View Sizes 1/2" - 2 1/2"

