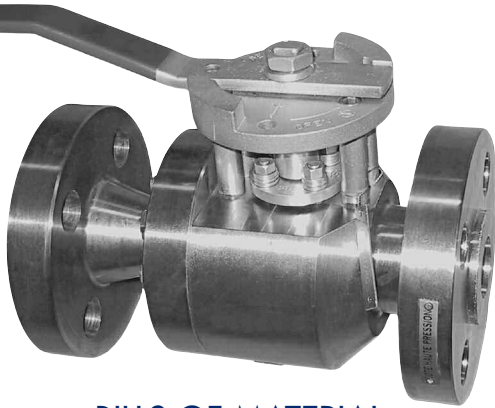


# V1-2

VALV TECHNOLOGIES

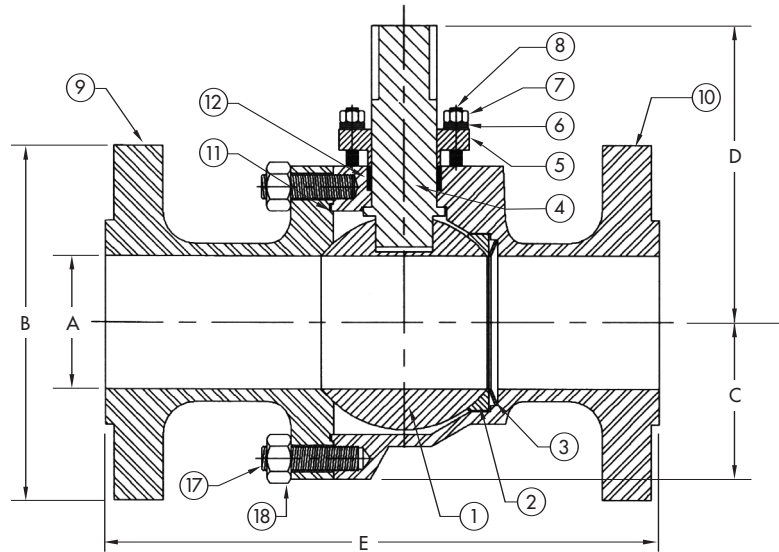
## Flanged Ball Valves ANSI 150-600 1/2" - 36"



### BILLS OF MATERIAL

ITEM	DESCRIPTION	(MODEL NO. B** C6-RF-RP or FP)	(MODEL NO. B** 22-RF-RP or FP)	QTY.
		CARBON STEEL STD. TRIM	316 STAINLESS STEEL STD. TRIM	
1	BALL	4130/RAM31	316 S.S./RAM31	1
2	UPSTREAM SEAT	4130/H.F.	A182-F316/H.F.	1
3	BELLEVILLE SPRING	17-4ph	17-4ph	1
4	STEM	4130/H.F.	316 S.S./H.F.	1
5	GLAND	4130/H.F.	316 S.S./H.F.	1
6	GLAND LOAD SPRING	302 S.S.	302 S.S.	24
7	GLAND NUT	A194 Gr. 8M	A194 Gr. 8M	4
8	GLAND STUD	A193 Gr. B8M	A193 Gr. B8M	4
9	END CAP	A216-WCB/RAM31	A351 GR CF8M/RAM31	1
10	BODY	A216-WCB	A351 GR CF8M	1
11	BODY GASKET	*GRAFOIL	*GRAFOIL	1
12	GLAND PACKING	GRAFOIL/316 S.S.	GRAFOIL/316 S.S.	3
17	BODY STUD	A193 Gr. B7	A193 Gr. B8M	8
18	BODY NUT	A194 Gr. 2H	A194 Gr. 8M	8

\*For ball sizes below 3", the body gasket is a pressure seal metal gasket.  
\*\*B3 = 150#, B5 = 300#, B6 = 600# RP = Red. Port; FP = Full Port



### FULL PORT DIMENSIONS (ANSI 150/300/600)

VALVE SIZE	A			B			C			D			E(RF)			STEM DIA	APPROXIMATE WEIGHTS			C <sub>v</sub>
	150	300	600	150	300	600	150	300	600	150	300	600	150	300	600		ALL CLASSES	150	300	
1/2	0.63	0.63	0.63	3.50	3.75	3.75	1.25	1.25	1.25	2.00	2.00	2.00	4.25	5.50	6.50	0.50	8	10	14	42
3/4	0.63	0.63	0.63	3.88	4.62	4.62	1.25	1.25	1.25	2.00	2.00	2.00	4.62	6.00	7.50	0.50	9	12	19	28
1	1.06	1.06	1.06	4.25	4.88	4.88	1.88	1.88	1.88	2.90	2.90	2.90	5.00	6.50	8.50	0.75	14	19	25	130
1-1/2	1.50	1.50	1.50	5.00	6.12	6.12	1.88	1.88	1.88	2.90	2.90	2.90	6.50	7.50	9.50	0.75	17	22	30	270
2	2.13	2.13	2.13	6.00	6.50	6.50	3.38	3.38	3.38	5.00	5.00	5.00	7.00	8.50	11.50	1.00	28	31	40	570
3	3.06	3.06	3.06	7.50	8.25	8.25	4.00	4.00	4.00	7.25	7.25	7.25	8.00	11.12	14.00	1.50	95	110	195	1,300
4	4.06	4.06	4.06	9.00	10.00	10.00	4.50	4.50	4.50	9.00	9.00	9.00	9.00	12.00	17.00	2.00	140	170	280	2,500
6	6.06	6.06	6.06	11.00	12.50	14.00	6.00	6.00	6.50	12.80	12.80	12.80	15.50	15.88	22.00	2.50	410	450	670	5,550
8	8.06	8.06	8.06	13.50	15.00	16.50	8.00	8.00	8.50	17.50	17.50	17.50	18.00	19.75	26.00	3.50	690	770	1050	10,400
10	10.06	10.06	10.06	16.00	17.50	20.00	10.30	10.30	10.30	19.43	19.43	19.43	21.00	22.38	31.00	4.00	1060	1150	1840	16,600
12	12.06	12.06	12.06	19.00	20.50	22.00	12.50	12.50	13.00	22.00	22.00	22.00	24.00	25.50	33.00	5.00	1840	1980	2650	24,300
14	12.06	12.06	12.06	21.00	23.00	23.75	12.50	12.50	13.00	22.00	22.00	22.00	27.00	30.00	35.00	5.00	2180	2140	2910	18,000
16	15.25	15.25	15.25	23.50	25.50	27.00	14.50	14.50	15.25	30.50	30.50	30.50	30.00	33.00	39.00	7.00	3350	3500	4800	39,700

Note: Cv values are based upon a Sch. 40 Pipe ID. Consult factory for other configurations.

### REDUCED PORT DIMENSIONS (ANSI 150/300/600)

VALVE SIZE	A			B			C			D			E(RF)			STEM DIA	APPROXIMATE WEIGHTS			C <sub>v</sub>			
	150	300	600	150	300	600	150	300	600	150	300	600	150	300	600		ALL CLASSES	150	300		600	150	300
1	0.63	0.63	0.63	4.25	4.88	4.88	1.25	1.25	1.25	2.00	2.00	2.00	5.00	6.50	8.50	0.50	10	14	22	19	19	19	19
1-1/2	1.06	1.06	1.06	5.00	6.12	6.12	1.88	1.88	1.88	3.00	3.00	3.00	6.50	7.50	9.50	0.75	15	20	28	65	65	65	65
2	1.50	1.50	1.50	6.00	6.50	6.50	2.13	2.13	2.13	3.75	3.75	3.75	7.00	8.50	11.50	0.75	25	29	40	160	160	160	160
3	2.13	2.13	2.13	7.50	8.25	8.25	3.38	3.38	3.38	5.00	5.00	5.00	8.00	11.12	14.00	1.00	35	41	65	210	210	210	210
4	3.06	3.06	3.06	9.00	10.00	10.00	4.00	4.00	4.00	7.25	7.25	7.25	9.00	12.00	17.00	1.50	100	125	140	500	500	500	500
6	4.06	4.06	4.06	11.00	12.50	14.00	4.50	4.50	4.50	9.00	9.00	9.00	10.50	15.88	22.00	2.00	180	215	255	750	750	750	750
8	5.13	6.06	6.06	13.50	15.00	16.50	5.38	6.00	6.50	11.17	12.80	12.80	11.50	19.75	26.00	2.50	360	610	760	1,150	2,000	2,000	2,000
10	7.13	8.06	8.06	16.00	17.50	20.00	7.13	8.00	8.50	13.50	17.50	17.50	13.00	18.00	31.00	3.50*	480	1160	1490	2,250	4,000	4,000	4,000
12	8.06	10.06	10.06	19.00	20.50	22.00	8.00	10.30	10.30	19.43	19.43	19.43	14.00	19.75	33.00	4.00*	890	1790	2450	2,800	7,600	7,600	7,600
14	10.06	10.06	10.06	21.00	23.00	23.75	10.30	10.30	10.30	19.43	19.43	19.43	15.00	30.00	35.00	4.00	1410	2300	2950	5,500	5,500	5,500	5,500
16	10.06	12.06	12.06	23.50	25.50	27.00	10.30	12.50	13.00	22.00	22.00	22.00	16.00	33.00	39.00	5.00*	1740	2550	3300	4,400	10,900	10,900	10,900

Note: Cv values are based upon a Sch. 40 Pipe ID. Consult factory for other configurations.



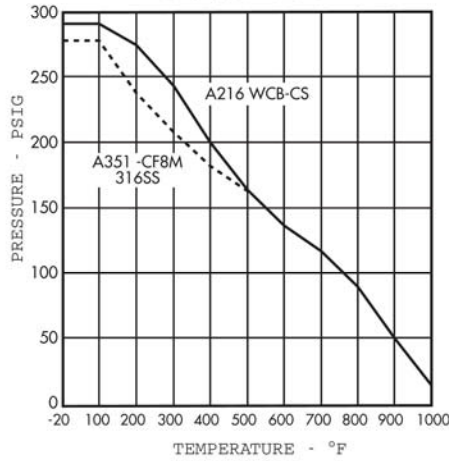
### AVAILABLE OPTIONS:

- Bi-Directional Sealing
- Control Trim
- Special End Connections
- Special Hard Coatings
- Various Materials of Construction
- Sizes up to 36"
- Elevated Temperature Options
- Wafer Style
- Forged Steel Construction

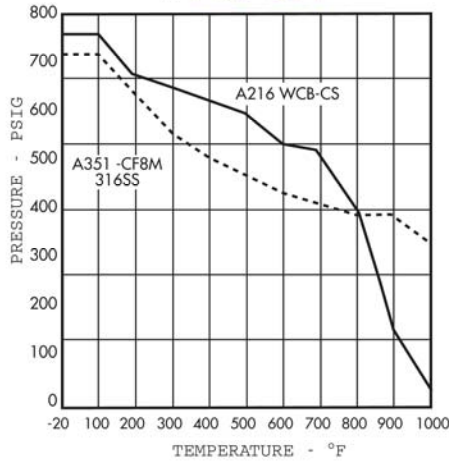
## Integral Seat, Zero Leakage, Severe Service Metal Seated Ball Valves

# V1-2 PRESSURE - TEMPERATURE RATINGS

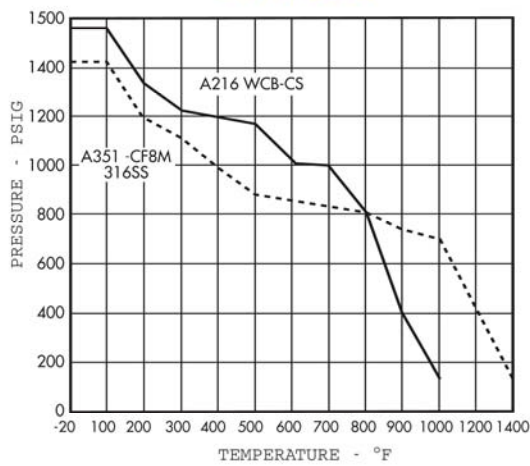
## ANSI 150



## ANSI 300



## ANSI 600



Pressure-Temperature ratings are in accordance with ASME/ANSI B16.34 - 1996

