



92-100 Series



Carbon Steel Uni-Body Ball Valve

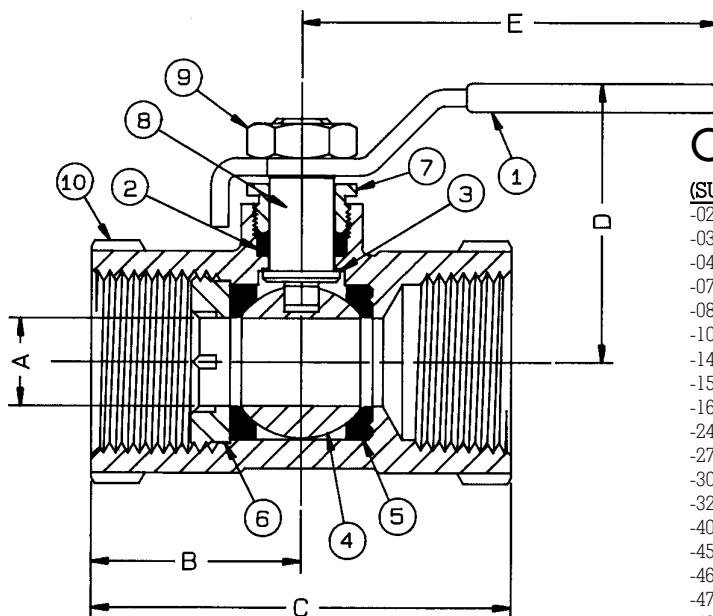
Threaded, 1/4" to 1" 2000 psig WOG, 1-1/4" to 2" 1500 psig WOG, Cold Non-Shock. 150 psig Saturated Steam.
 Vacuum Service to 29 inches Hg.
 Federal Specification: WW-V-35C, Type: II, Composition: CS, Style: 3.
 MSS SP-110; Ball Valves Threaded, Socket-Welding, Solder Joint, Grooved and Flared Ends.

FEATURES

- (-24) Certified to API standard 607, 4th Edition, Class 600 burn
- Investment cast body
- Reinforced seats and seals
- Blow-out-proof stem design
- Nitride corrosion protection
- Adjustable packing gland
- Meets NACE MR-01-75 with SS trim
- Compact

STANDARD MATERIAL LIST

1. Lever and grip	Steel, zinc plated w/vinyl	6. Retainer	A108-CS
2. Stem packing	MPTFE	7. Gland nut	A108-CS
3. Stem bearing	RPTFE	8. Stem	A108-CS
4. Ball	A108-CS, chrome plated	9. Lever nut (Screw 1/4" to 1/2")	Steel, zinc plated
5. Seat (2)	RPTFE	10. Body	A216-WCB



CARBON STEEL UNI-BODY
SATURN® BALL VALVE

NUMBER	SIZE	A	B	C	D	E	Wt.
92-101-01	1/4"	.38	1.14	2.21	1.64	3.87	.49
92-102-01	3/8"	.38	1.14	2.21	1.64	3.87	.49
92-103-01	1/2"	.38	1.14	2.21	1.64	3.87	.49
92-104-01	3/4"	.50	1.34	2.70	1.78	3.87	.76
92-105-01	1"	.63	1.51	3.03	2.00	4.78	1.21
92-106-01	1-1/4"	.81	1.79	3.62	2.18	4.78	1.95
92-107-01	1-1/2"	1.00	1.95	4.00	2.69	5.43	2.92
92-108-01	2"	1.25	2.28	4.73	2.91	5.43	4.73

VARIATIONS AVAILABLE:

92-140 Series (316 SS Ball & Stem)

OPTIONS AVAILABLE:

(SUFFIX) OPTION	SIZES
-02- Static Grounded	1/4" to 2"
-03- 1-1/4" CS Stem Extension	1/4" to 2"
-04- 2-1/4" CS Stem Extension	1/4" to 2"
-07- Steel Tee Handle	1/4" to 2"
-08- 90° Reversed Stem	3/4" to 2"
-10- SS Lever & Nut	1/4" to 2"
-14- Side Vented Ball (Uni-Directional)	1/4" to 2"
-15- Wheel Handle, Steel	1/4" to 2"
-16- Chain Lever - Vertical	1" to 2"
-24- Graphite Packing	1/4" to 2"
-27- SS Latch-Lock Lever & Nut	1/4" to 2"
-30- Cam-Lock Handle & Grounded	1/4" to 2"
-32- SS Tee Handle & Nut	1/4" to 2"
-40- Cyl-Loc & Grounded	3/4" to 2"
-45- Less Lever & Nut	1/4" to 2"
-46- Latch Lock Lever - Lock in Closed Position Only	1/2" to 2"
-47- SS Oval Latch-Lock Handle & Nut	1/4" to 1-1/4"
-48- SS Oval Handle	1/4" to 2"
-50- 2-1/4" CS Locking Stem Extension	3/4" to 2"
-58- Chain Lever - Horizontal	1" to 2"
-60- Grounded Ball & Stem	3/4" to 2"
-65- Multifill Seats & Graphite Packing	1/4" to 2"
-P01- BSPP (Parallel) Thread Connection	1/4" to 2"
-T01- BSPT (Tapered) Thread Connection	1/4" to 2"

For Pressure/Temperature Ratings,
 Refer to Page M-12, Graph No. 13
 (1/4" to 1")
 Refer to Page M-11, Graph No. 11
 (1-1/4" to 2")

C_v FACTORS
87A-100 & 88A-100 SERIES

SIZE	1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10" ⁽¹⁾
FULL OPEN	86	104	234	375	673	1099	1902	3890

C_v FACTORS
87A-200 & 88A-200 SERIES

SIZE	1/2"	3/4"	1"	1-1/2"	2"	2-1/2"	3"	4"	6"	8"	10" ⁽¹⁾
FULL OPEN	15	19	75	195	410	545	1021	2016	4837	9250	15170

(1) Calculated Data

C_v FACTORS
9A-100, 90-100, 91-100,
92-100, 93-100 & 96-100 SERIES

SIZE	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
OPEN 90°	8.3	6.7	5.7	10	16	25	40	62

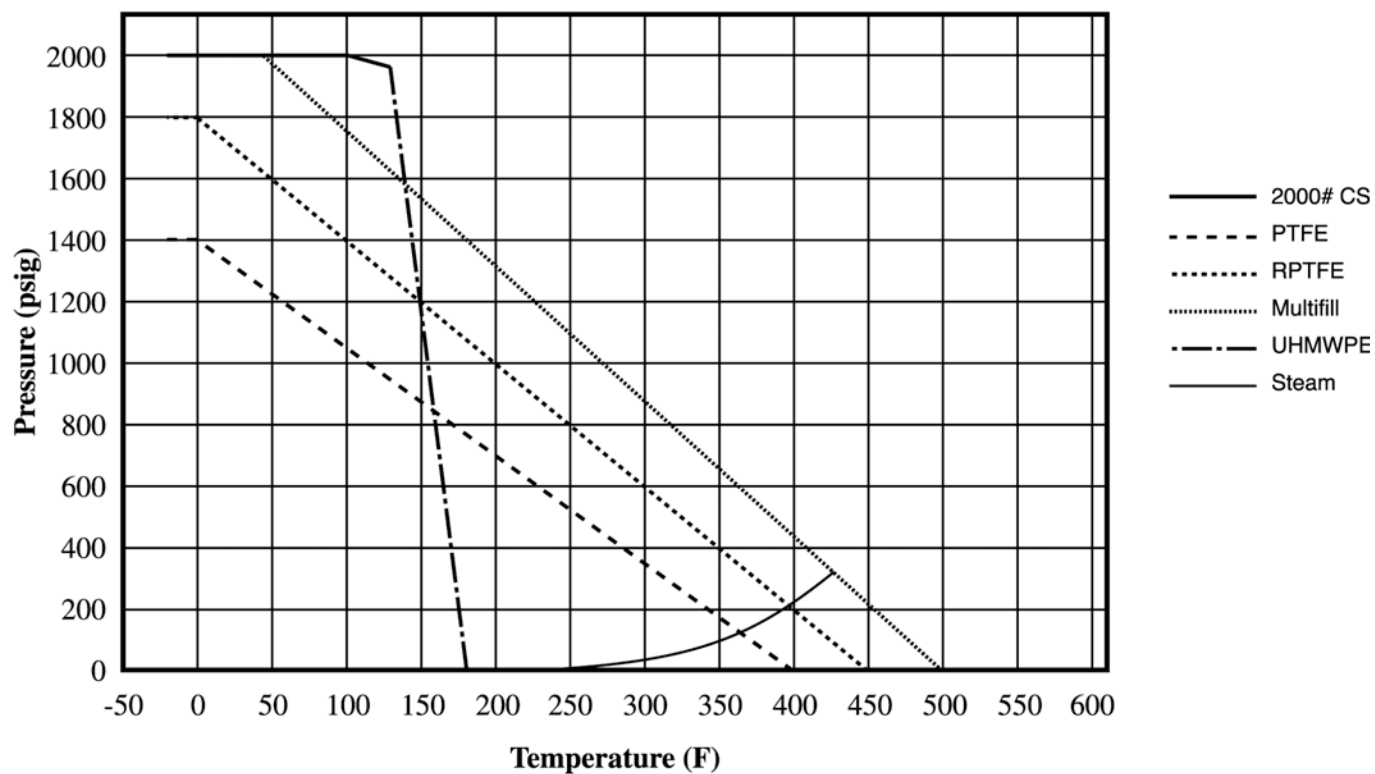
C_v FACTORS
70-600 & 76-600 SERIES

SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
FULL OPEN	5.4	12	14	21	34	47

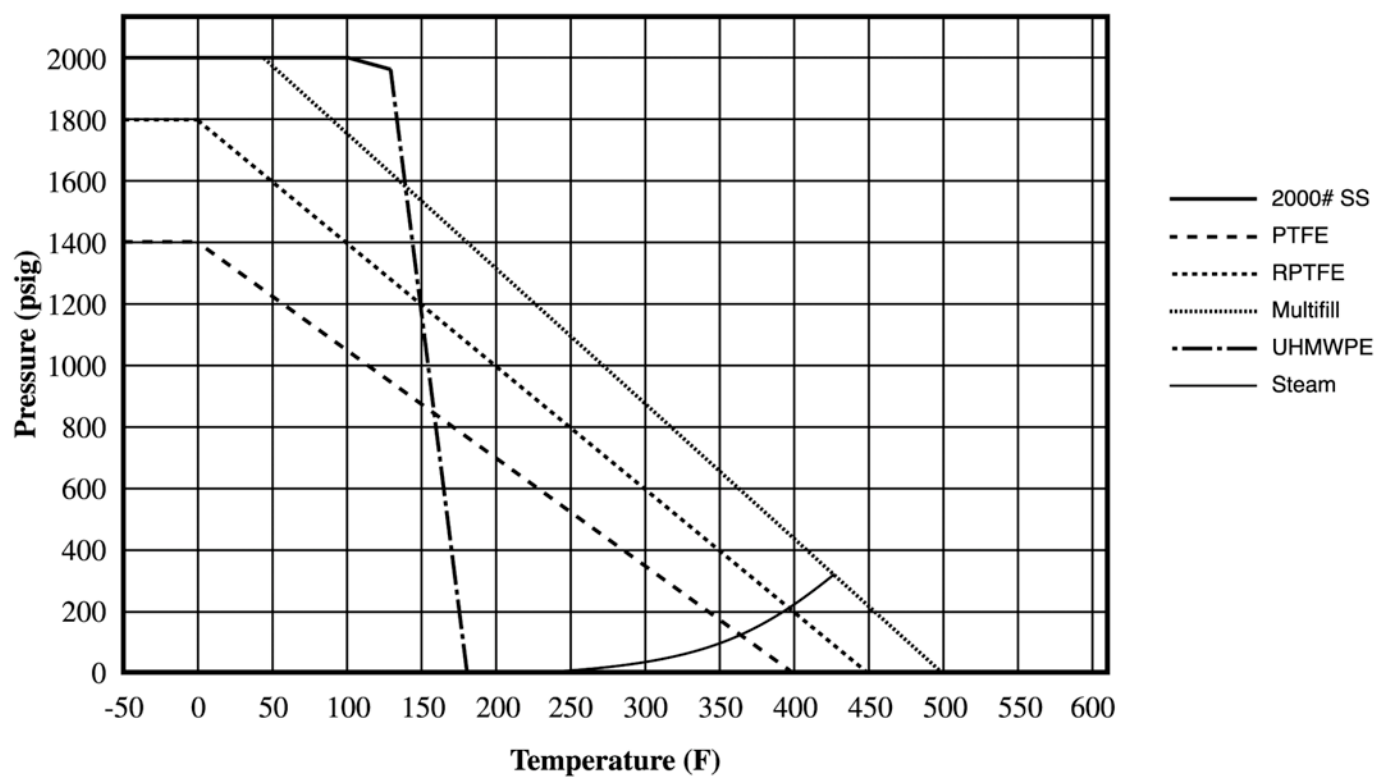
C_v FACTORS
"72" SERIES

SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
FULL OPEN	26	48	65	125	170	216

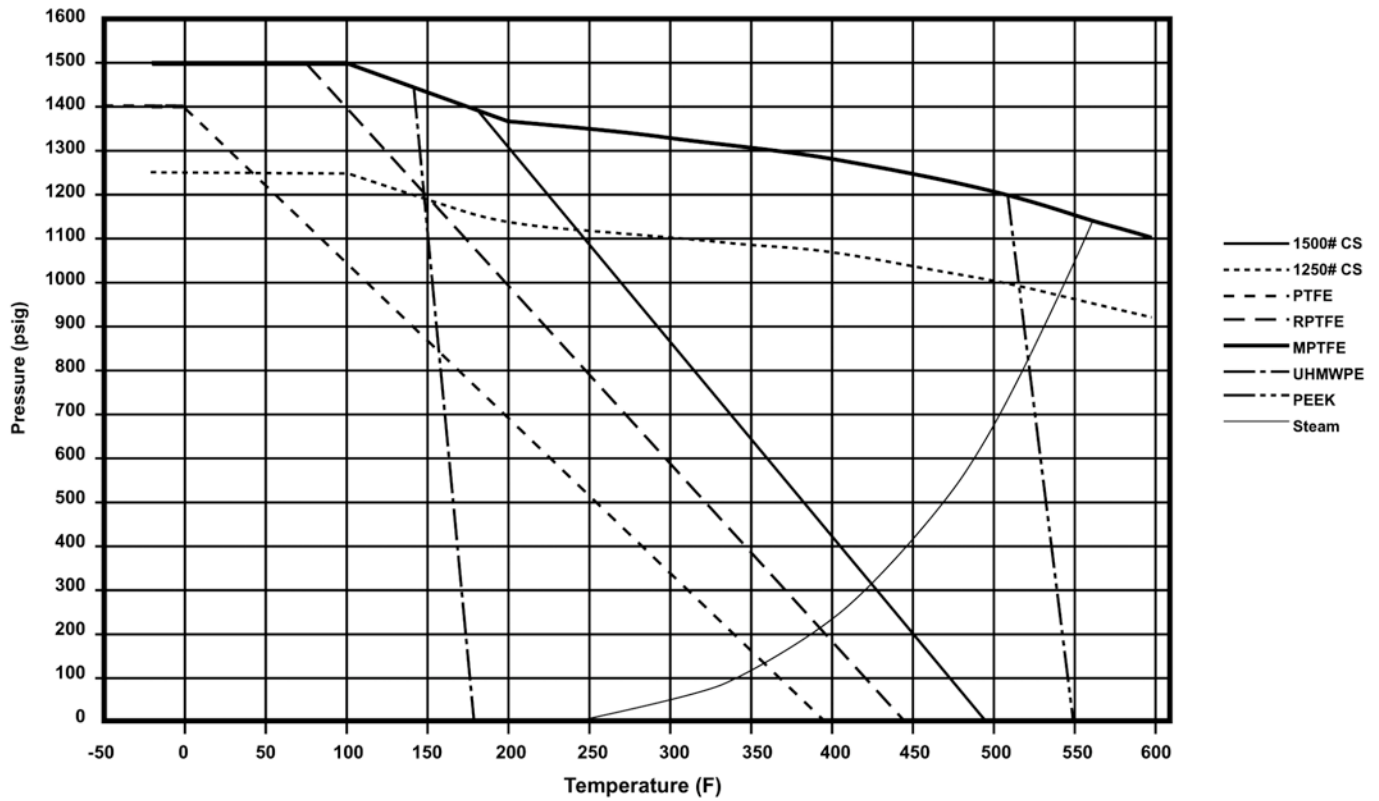
2000# CS P-T Rating (Graph 13)



2000# SS P-T Rating (Graph 14)



1500# CS P-T Rating (Graph 11)



1500# SS P-T Rating (Graph 12)

