

Features :

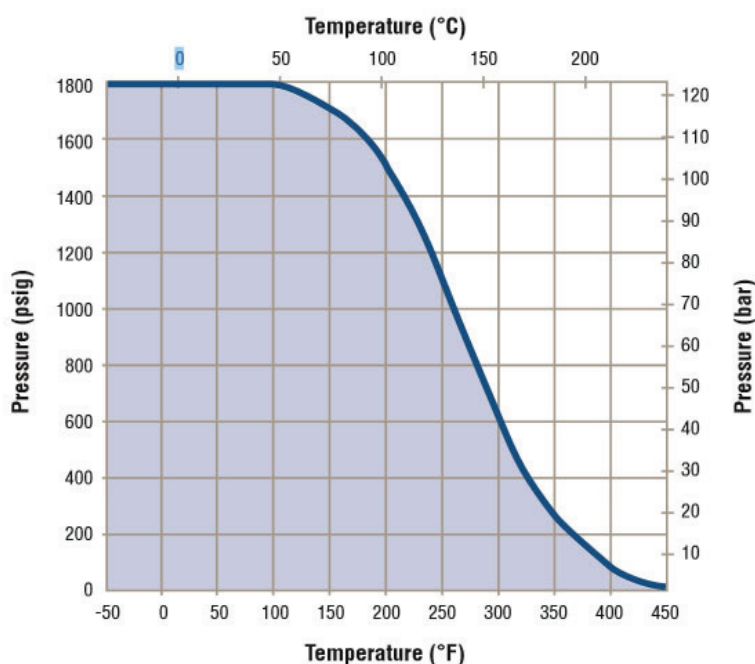
- Low operating torque provided by specially designed RTFE seats. Notches on the outside diameter equalize pressure on both sides of the upstream seat.
- Safety is ensured by anti-blowout stem design.
- Reliable stem seal results from superior stem packing arrangement with RTFE thrust washer as a primary seal and secondary adjustable stem seal of flexible graphite.
- Automatic compensation for stem seal wear with live-loaded stem seal. 2000 psig in all sizes using RTFE seats.
- Body leakage virtually eliminated with unibody design.



Specifications:

Sizes	:	1/4" through 2".
Operating Temperature Range	:	-50°F (-45°C) to 450°F (232°C).
Operating Pressure Range	:	To 2000 psig. See Pressure/Temperature Curve below.
Flow Capacities	:	See Flow Capacities chart below.
Materials of Construction	:	Available in carbon steel or stainless steel body with stainless trim (ball and stem).

Pressure / Temperature Curve :

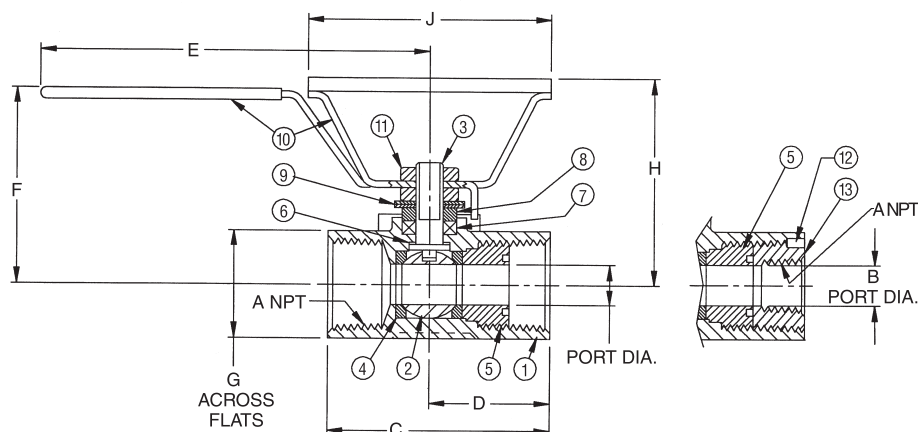


Pressure / Temperature Curve :

inches / mm

Size	C _v	Equivalent Length of Schedule 40 Pipe
1/4	3	1.0
6		
3/8	4	3.0
9		
1/2	5	4.0
12		
3/4	9	5.5
20		
1	14	7.0
25		
1 1/4	22	10.4
32		
1 1/2	50	13.6
40		
2	81	16.3
50		

DIMENSIONS:



Materials of Construction:

Part Number	Description	Carbon Steel with Stainless Steel Trim	Stainless Steel
1	Body	WCB Carbon Steel	CF8M Stainless Steel
2	Ball	316 Stainless Steel	
3	Stem	316 Stainless Steel	
4	Seats (2)	RTFE (15% Glass-Filled PTFE)	
5	Seat Retainer	1020 Carbon Steel	316 Stainless Steel
6	Thrust Washer	RTFE (15% Glass-Filled PTFE)	
7	Packing	Flexible Graphite	
8	Gland	316 Stainless Steel	
9	Belleville Spring Washers (2)	302 Stainless Steel	
10	Handle	Steel, Zinc-Plated, Plastic-Coated	
11	Stem Nuts (2)	Carbon Steel, Zinc-Plated	
12	Locking Pin	304 Stainless Steel	
13	End Adapter	Carbon Steel AISI 1020	316 Stainless Steel

Dimensions and Weights:

Size in./mm	A	B	C	D	E	F	G	H	J	K	Weight lb./kg
1/4	1/4-18	.36	2.88	1.39	4.50	1.88	1.125	2.361	2.923	2.442	.95
6		9.144	73.15	35.31	114.3	47.75	28.57	59.97	74.24	62.03	.43
3/8	3/8-18	.36	2.88	1.39	4.50	1.88	1.125	2.361	2.923	2.442	.95
9		9.144	73.15	35.31	114.3	47.75	28.57	59.97	74.24	62.03	.43
1/2	1/2-18	.36	2.56	1.39	4.50	1.88	1.125	2.361	2.923	2.442	.89
12		9.144	65.02	35.30	114.3	47.75	28.57	59.97	74.24	62.03	.40
3/4	3/4-14	.48	3.00	1.71	4.50	2.18	1.312	2.548	3.204	2.836	1.17
20		12.19	76.20	43.43	114.3	55.37	33.32	64.72	81.38	72.03	.53
1	1-11 1/2	.62	3.50	1.84	5.38	2.50	1.562	2.765	3.546	3.28	1.64
25		15.75	88.90	46.74	136.65	63.50	39.67	70.23	90.07	83.31	.74
1 1/4	1 1/4-11 1/2	.81	3.88	2.12	6.00	2.81	2.00	3.114	4.114	3.81	2.52
32		20.57	98.55	53.85	152.4	71.37	50.80	79.10	104.5	96.77	1.14
1 1/2	1 1/2-11 1/2	1.00	4.00	2.12	6.00	3.25	2.31	3.234	4.39	4.406	3.57
40		25.40	101.6	53.85	152.4	82.55	58.67	82.14	111.5	111.9	1.62
2	2-11 1/2	1.25	4.50	2.36	7.00	3.88	2.875	3.421	4.86	5.32	5.34
50		31.75	114.3	59.94	177.8	98.55	73.03	86.89	123.44	135.12	2.42