

Valve Construction

PRESSURE RATINGS

MAXIMUM PRESSURE RATINGS				
SERIES	DESCRIPTION	SIZE RANGE	END CONNECTION	CWP psig (Bar)
1400THR	Threaded	1/2" - 2" (15-50mm)	Threaded NPT	250 (17.2)
1400A	Wafer Style	2" - 6" (50-150mm)	Wafer Class 125/250	400 (27.6)
		8" - 10" (200-250mm)	Wafer Class 125	200 (13.8)
		8" - 10" (200-250mm)	Wafer Class 250	400 (27.6)
1400A.4	Wafer Style Stainless Steel	2" - 10" (50-250mm)	Wafer Class 150	275 (19)
1800A	Globe Style	2 1/2" - 12" (65-250mm)	Flanged Class 125	200 (13.8)
		2 1/2" - 12" (65-250mm)	Flanged Class 250	400 (27.6)
1800A.4	Globe Style Stainless Steel	2 1/2" - 12" (65-250mm)	Flanged Class 150	275 (19)
1800	Globe Style	14" - 42" (300-1050mm)	Flanged Class 125	150 (10.3)
		14" - 42" (300-1050mm)	Flanged Class 250	300 (20.7)

MATERIALS OF CONSTRUCTION

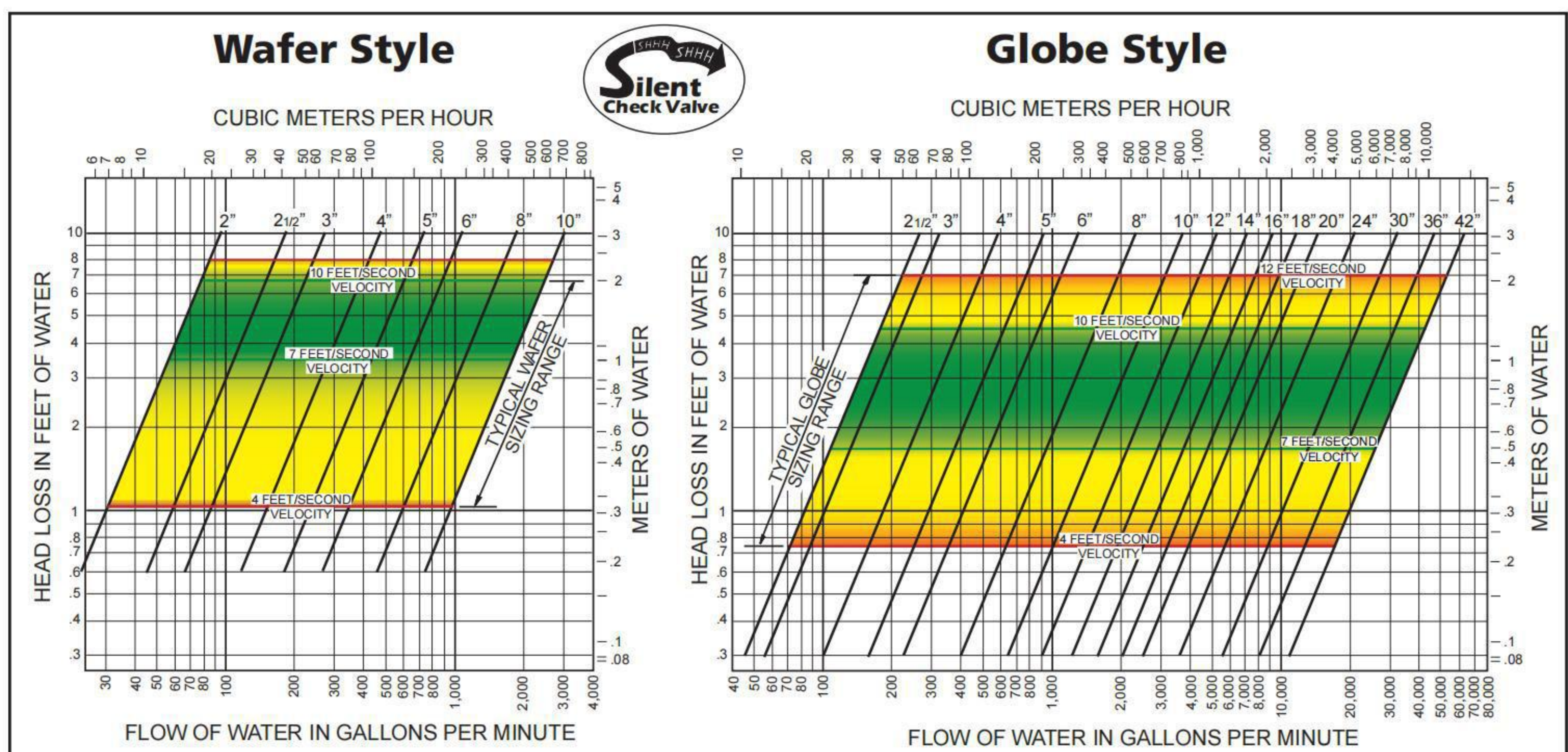
Threaded Style

COMPONENT	STANDARD
Body	Lead-Free Bronze ASTM B584 C87600
Disc	Lead-Free Bronze ASTM B584 C87600
Seat	PTFE
Spring	T316 Stainless Steel

Wafer & Globe Style

COMPONENT	STANDARD	OPTIONAL
Body	Cast Iron ASTM A126, Class B	Stainless Steel A351 Grade CF8M Ductile Iron A536 Grade 65-45-12
Disc	Lead-Free Bronze ASTM B584 C87600	Stainless Steel A351 Grade CF8M
Seat	Lead-Free Bronze ASTM B584 C87600	Stainless Steel A351 Grade CF8M
Resilient Seat	-	Buna-N EPDM
Spring	T316 Stainless Steel	Severe Duty T316 Stainless Steel

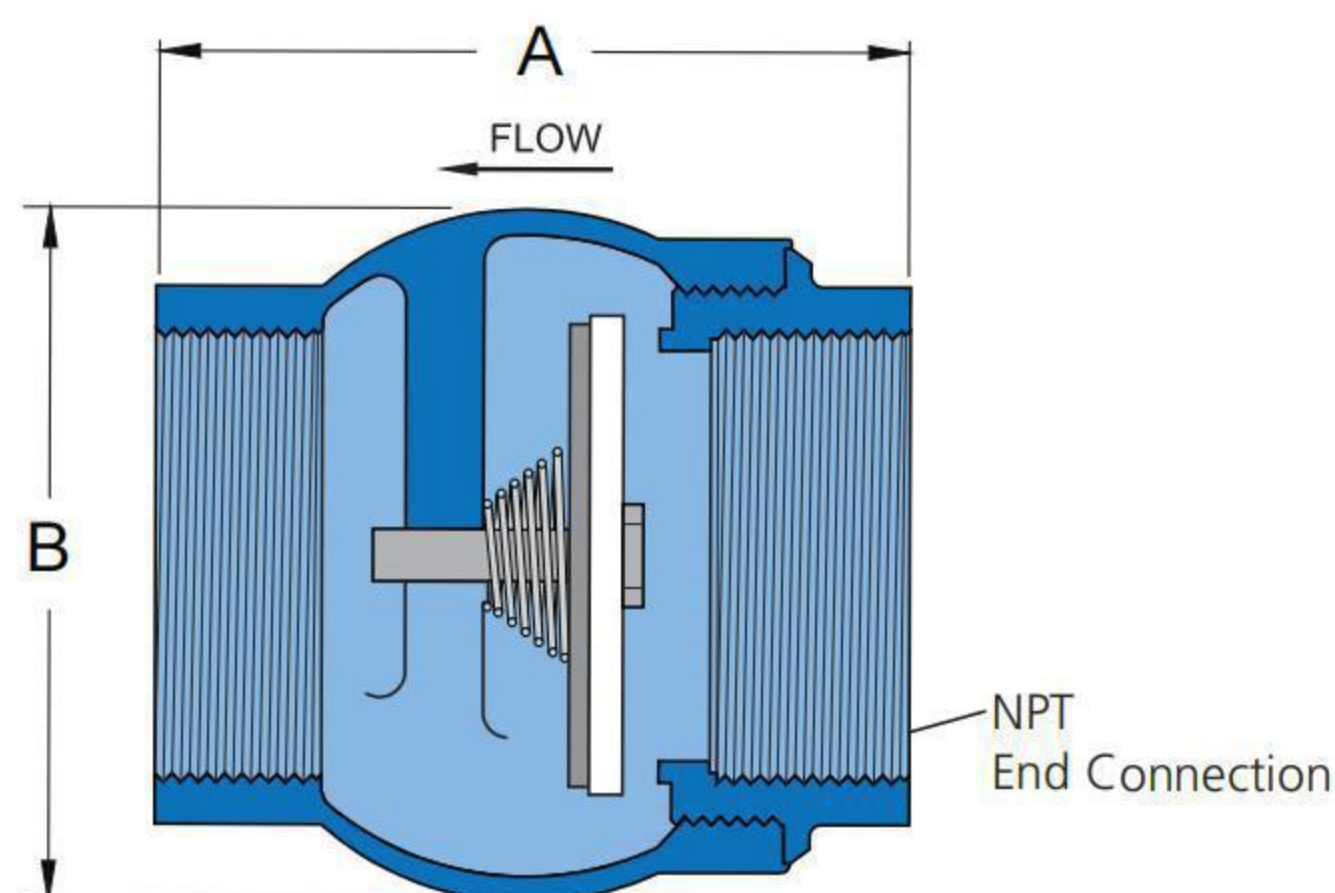
Headloss Chart



Size	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24	30	36	42
Wafer Cv	43	88	130	228	350	520	900	1450	-	-	-	-	-	-	-	-	-
Globe Cv	-	127	155	278	435	625	1115	1770	2500	3400	4400	5600	6900	10,000	15,400	22,400	30,400

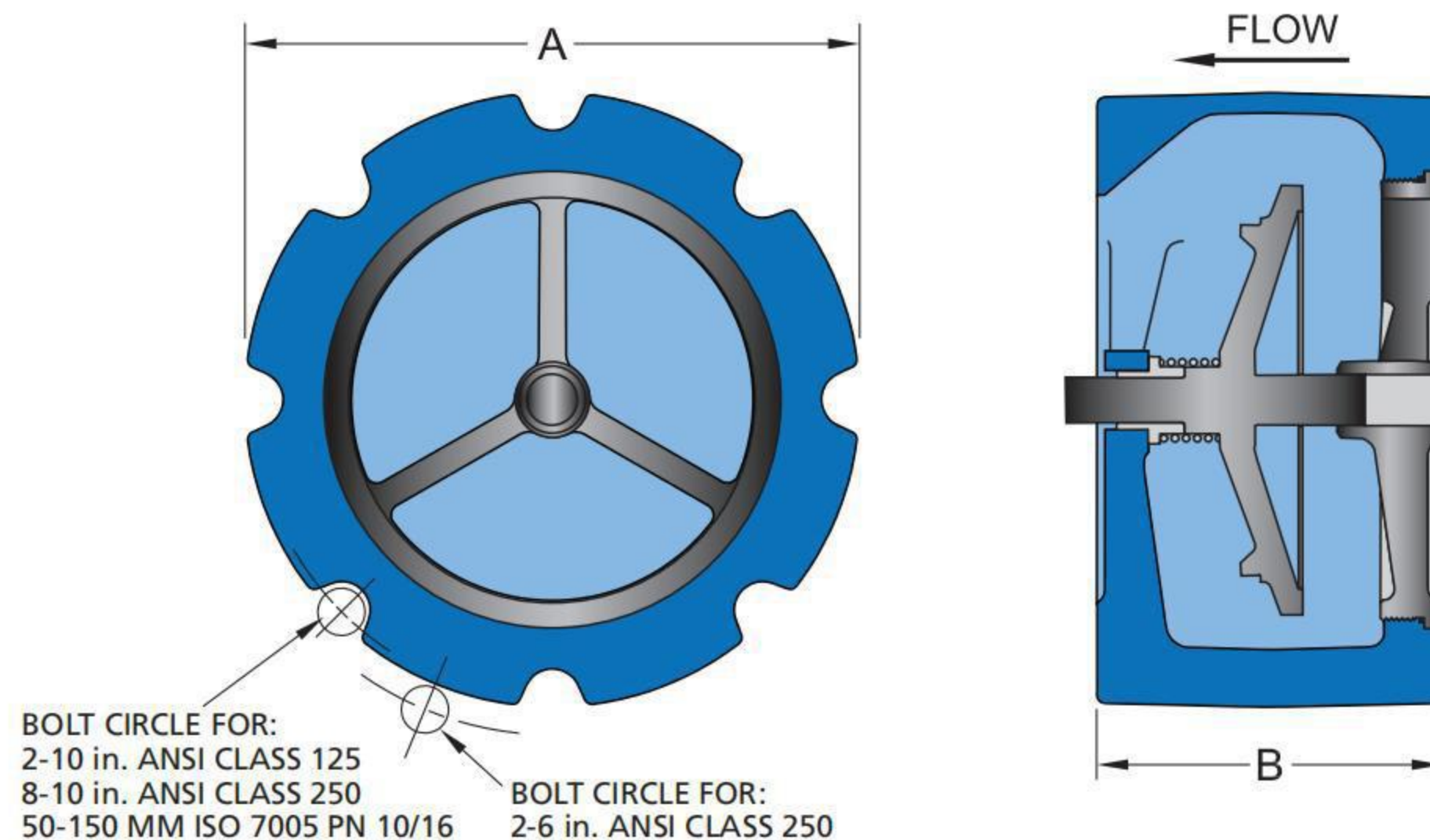
Installation Dimensions

Series 1400THR - Threaded



Dimensions				
Valve Size (NPT)	CWP psig (Bar)	A in (mm)	B in (mm)	Weight lb (kg)
1/2	250 (17.2)	2.06 (52.3)	1.38 (35.0)	.38 (.17)
3/4	250 (17.2)	2.25 (57.1)	1.63 (41.4)	.48 (.22)
1	250 (17.2)	2.63 (66.8)	2.00 (50.8)	.81 (.37)
1 1/4	250 (17.2)	2.94 (74.6)	2.38 (60.4)	1.22 (.55)
1 1/2	250 (17.2)	3.31 (84)	2.75 (69.8)	1.61 (.73)
2	250 (17.2)	3.68 (93.4)	3.38 (85.8)	5.13 (2.33)

Series 1400A - Wafer



Dimensions - Inch					
Valve Size	CWP (psig)	ANSI Class	A	B	Weight (lb)
2*	400	125/250	4.25	2.63	6
2 1/2*	400	125/250	5.00	2.88	7
3*	400	125/250	5.75	3.13	11
4*	400	125/250	7.00	4.00	19
5*	400	125/250	8.75	4.75	28
6*	400	125/250	9.75	5.50	41
8	200	125	13.38	6.50	81
	400	250	13.38	6.50	89
10	200	125	16.00	8.25	99
	400	250	16.00	8.25	137

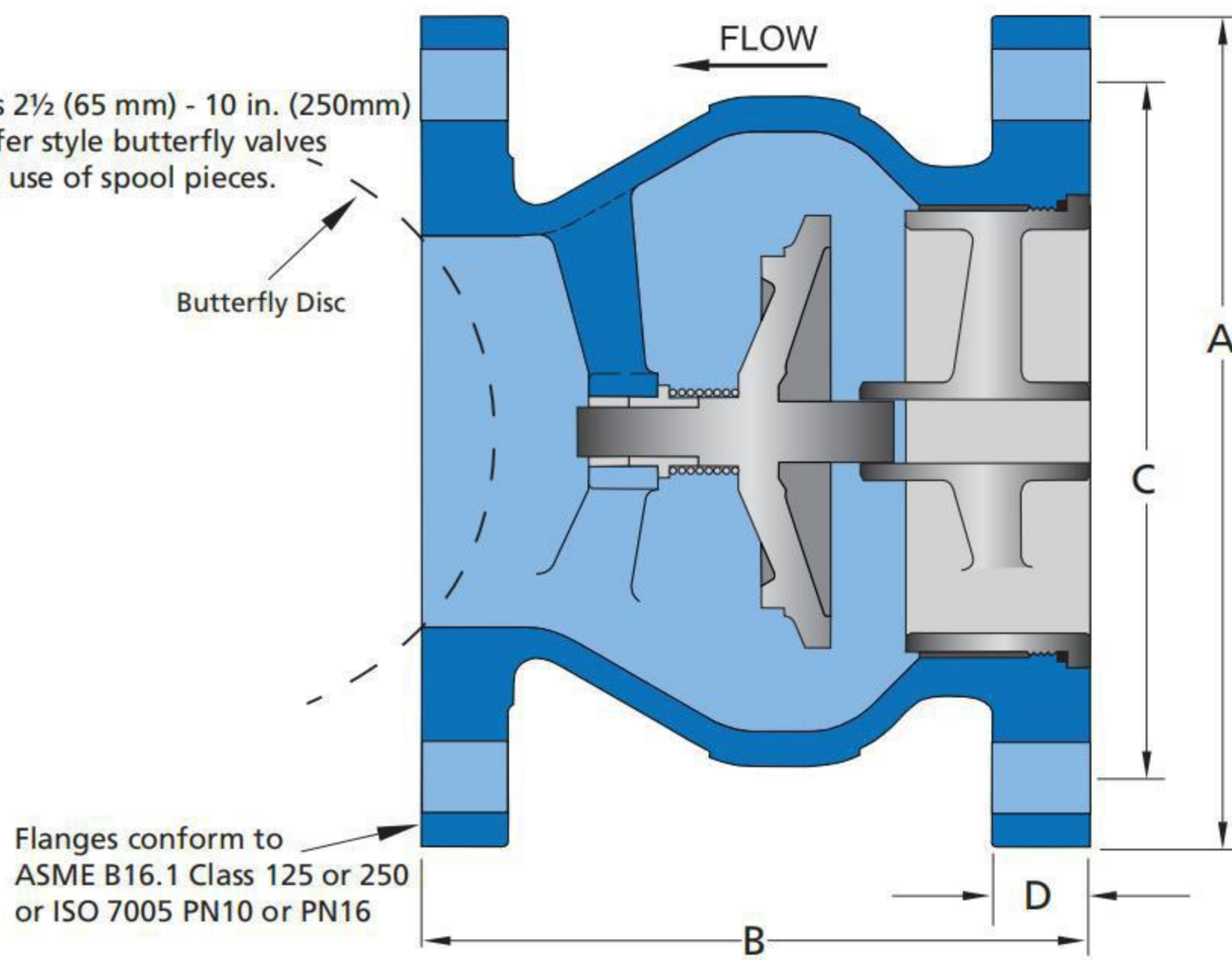
Dimensions - Metric					
Valve Size	CWP (Bar)	PN Class	A	B	Weight (kg)
50	27.6	10/16	107.9	66.8	3
65	27.6	10/16	127	73.1	4
80	27.6	10/16	146	79.5	5
100	27.6	10/16	177.8	101.6	9
125	27.6	10/16	222.2	107.9	13
150	27.6	10/16	247.6	139.7	19
200	27.6	16	342.9	165.1	40
250	27.6	16	406.4	215.9	62

*Note: Sizes 2 - 6 in. are dual rated to fit between both ANSI Class 125 and 250 flanges.

Installation Dimensions

Series 1800 - Globe

Note: Valves 2 1/2 (65 mm) - 10 in. (250mm) mate to wafer style butterfly valves without the use of spool pieces.



Dimensions - Inch

Valve Size	CWP (psig)	ANSI Class	A	B	C	D	Weight (lb)
2 1/2	200	125	7.00	5.50	5.50	0.69	19
	400	250	7.50	5.50	5.88	1.00	30
3	200	125	7.50	6.00	6.00	0.94	28
	400	250	8.25	6.00	6.63	1.13	36
4	200	125	9.00	7.25	7.50	0.94	43
	400	250	10.00	7.25	7.88	1.25	59
5	200	125	10.00	8.50	8.50	0.94	55
	400	250	11.00	8.50	9.75	1.38	78
6	200	125	11.00	9.75	9.50	1.00	78
	400	250	12.50	9.75	10.63	1.44	103
8	200	125	13.50	12.50	11.75	1.13	102
	400	250	15.00	12.50	13.00	1.63	179
10	200	125	16.00	15.50	14.25	1.19	208
	400	250	17.50	15.50	15.25	1.88	253
12	200	125	19.00	14.25	17.00	1.25	294
	400	250	20.50	14.25	17.75	2.00	401
14	150	125	21.00	15.75	18.75	1.38	380
	300	250	23.00	15.75	20.25	2.13	511
16	150	125	23.50	17.63	21.25	1.44	501
	300	250	25.50	17.63	22.50	2.25	697
18	150	125	25.00	18.75	22.75	1.56	724
	300	250	28.00	18.75	24.75	2.38	959
20	150	125	27.50	20.63	25.00	1.69	890
	300	250	30.50	20.63	27.00	2.50	1,180
24	150	125	32.00	24.00	29.50	1.88	1,220
	300	250	36.00	24.00	32.00	2.75	1,680
30	150	125	38.75	29.25	36.00	2.13	2,100
	300	250	43.00	29.25	39.25	3.00	2,700
36	150	125	46.00	45.00	42.75	2.38	4,400
	300	250	50.00	46.00	46.00	3.38	5,100
42	150	125	53.00	50.00	49.50	2.63	7,200
	300	250	57.00	50.00	52.75	3.69	7,900

Dimensions - Metric

Valve Size	CWP (Bar)	PN Class	A	B	C	D	Weight (kg)
65	16	10/16	178	140	145	18	9
80	16	10/16	192	152	160	24	13
100	16	10/16	220	184	180	24	20
125	16	10/16	250	216	210	24	25
150	16	10/16	285	248	240	25	35
200	16	10	340	318	295	29	46
	16	16	340	318	295	29	81
250	16	10	395	362	350	30	94
	16	16	405	362	355	30	114
300	16	10	445	394	400	32	133
	16	16	460	394	410	32	181
350	10	10	505	400	460	35	172
	16	16	520	400	470	35	231
400	10	10	565	448	515	37	227
	16	16	580	448	525	37	316
450	10	10	615	476	565	40	328
	16	16	640	476	585	40	434
500	10	10	670	524	620	43	403
	16	16	715	524	650	43	535
600	10	10	780	610	725	48	553
	16	16	840	610	770	48	762