

ANSI Class Flanged Fig. 50(RF) Fig. 51(RTJ)

ANSI Class Flanged (Fig. 50 & 51) - Schedule of Dimensions

Valve Size (inches)	ANSI Class	Working Pressure, PSI	"A" (inches)		"H" (inches)	"W" (inches)	Weight (lbs)
			Type 50 (RF)	Type 51 (RTJ)			
1	150	275	7.75	8.50	3.06	4.62	12
	300	720	8.00	8.50	3.06	4.62	13
	600	1440	8.50	8.50	3.06	4.62	15
	900	2160	10.00	8.50	3.06	4.62	17
1 1/2	150	275	8.00	8.50	3.75	4.62	14
	300	720	8.88	9.38	3.75	4.62	22
	600	1440	9.50	9.50	3.75	4.62	27
	900	2160	12.00	12.00	3.75	4.62	32
2	150	275	8.00	8.50	5.38	6.00	40
	300	720	10.50	11.12	5.38	6.00	45
	600	1440	11.50	11.62	5.50	6.00	47
	900	2160	14.50	14.62	5.69	6.50	79
	1500	3600	14.50	14.62	7.25	7.50	110
	2500	6000	17.75	17.88	7.62	7.50	140
3	150	275	9.50	10.00	5.62	7.50	60
	300	720	12.50	13.12	5.62	7.50	75
	600	1440	14.00	14.12	6.31	8.25	90
	900	2160	15.00	15.12	6.31	8.25	110
	1500	3600	18.50	18.62	8.44	9.50	165
	2500	6000	22.75	23.00	8.81	9.50	205
4	150	275	11.50	12.00	7.44	9.00	95
	300	720	14.00	14.62	7.44	9.00	113
	600	1440	17.00	17.12	7.88	10.00	161
	900	2160	18.00	18.12	8.38	10.00	190
	1500	3600	21.50	21.62	8.75	10.75	285
	2500	6000	26.50	26.88	9.00	10.75	583
6	150	275	14.00	14.50	10.62	11.00	150
	300	720	17.50	18.12	11.12	11.00	210
	600	1440	22.00	22.12	11.53	12.50	340
	900	2160	24.00	24.12	11.53	12.50	400
	1500	3600	27.75	28.00	12.88	14.00	525
	2500	6000	36.00	36.50	14.06	15.00	575
8	150	275	19.50	20.00	13.31	13.50	285
	300	720	21.00	21.62	13.38	13.50	325
	600	1440	26.00	26.12	14.00	15.00	570
	900	2160	29.00	29.12	14.25	15.00	725
	1500	3600	32.75	33.12	15.62	16.00	995
10	150	275	24.50	25.00	15.56	16.00	600
	300	720	24.50	25.12	15.56	16.00	750
	600	1440	31.00	31.12	16.25	17.50	925
	900	2160	33.00	33.12	16.25	17.50	1100

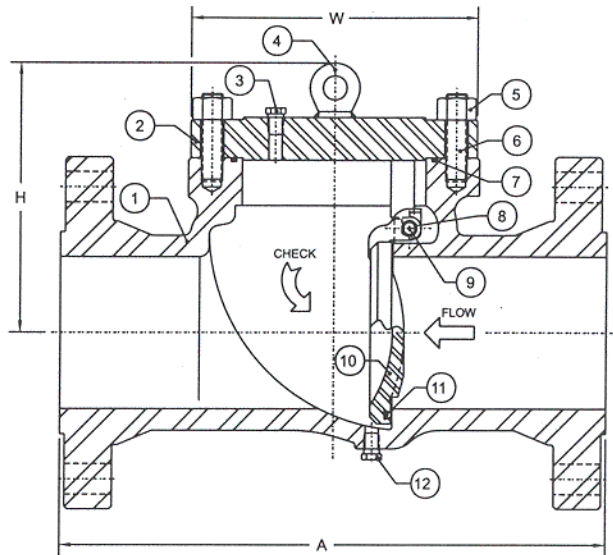
ANSI Class Flanged Fig. 50(RF) Fig. 51(RTJ)

ANSI Class Flanged (Fig. 50 & 51) - Schedule of Dimensions (cont.)

Valve Size (inches)	ANSI Class	Working Pressure, PSI	"A"(inches)		"H" (inches)	"W" (inches)	Weight (lbs)
			Type 50 (RF)	Type 51 (RTJ)			
12	150	275	27.50	28.00	18.62	20.50	920
	300	720	28.00	28.62	18.62	20.50	1050
	600	1440	33.00	33.12	18.62	20.50	1375
	900	2160	38.00	38.12	20.09	20.50	1800
14	150	275	31.00	31.50	23.44	25.50	1600
	300	720	33.00	33.62	23.44	25.50	2000
	600	1440	35.00	35.12	24.19	25.50	2400
	900	2160	40.50	40.88	24.19	25.50	2700
16	150	275	34.00	34.50	23.44	25.50	1600
	300	720	34.00	34.62	23.44	25.50	2100
	600	1440	39.00	39.12	24.19	25.50	2400
	900	2160	44.50	44.88	24.19	25.50	2700
18	150	275	38.50	39.00	23.31	28.00	1800
	300	720	38.50	39.12	23.75	28.00	2200
	600	1440	43.00	43.12	24.69	28.00	3000
20	150	275	38.50	39.00	27.12	29.25	2000
	300	720	40.00	40.75	27.12	29.25	2450
	600	1440	47.00	47.25	28.06	29.25	3800
	900	2160	52.00	52.50	28.50	30.00	4000
22	150	275	42.00	42.50	28.69	33.75	3360
	300	720	44.00	44.88	29.56	33.75	4000
	600	1440	51.00	51.38	30.69	33.75	5250
24	150	275	51.00	51.50	28.69	33.75	3360
	300	720	53.00	53.88	29.56	33.75	4000
	600	1440	55.00	55.38	30.69	33.75	5250
	900	2160	61.00	61.75	32.31	36.25	8000
30	150	275	60.00	60.62	36.25	40.00	6000
	300	720	62.75	63.75	37.25	40.00	7000
	600	1440	65.00	65.50	38.75	40.00	8000
	900	2160	68.00	68.88	38.24	41.50	9500
36	150	275	77.00	77.75	38.69	47.00	<i>Consult factory</i>
	300	720	82.00	83.12	39.94	47.00	
	600	1440	82.00	82.62	41.69	47.00	
	900	2160	90.00	91.12	41.12	53.00	
42	150	275	93.25	<i>Consult factory</i>	49.00	57.38	<i>Consult factory</i>
	300	720	97.25		49.00	57.38	
	600	1440	97.25		49.00	57.38	
	900	2160	100.25		50.75	62.00	
48	600	1440	106.00	<i>Consult factory</i>	52.00	64.50	<i>Consult factory</i>

ANSI Class Flanged

Fig. 50(RF) Fig. 51(RTJ)



ANSI Class Flanged - Parts List

No.	Part	Material
1	Body ^{(1) (2)}	ASTMA-216-WCB/ WCC
2	Cover	ASTMA-516-70/ A-105/ A-350-LF2
3	Vent plug ⁽³⁾	ASTMA-105
4	Lifting eye/lug ⁽⁴⁾	Carbon Steel
5	Cover nut ⁽⁵⁾	ASTMA-194-2HM
6	Cover stud ⁽⁶⁾	ASTMA-193-B7M
7	Cover seal	Viton®
8	Clapper bushing	Stainless Steel
9	Clapper pin	Stainless Steel
10	Clapper	ASTMA-351- CF8M/ A-182-F316, A-487-4C (1"-4") A-350-LF2, A-216-WCB/WCC, A-352 LCC, A-487-4C (6" & larger)
11	Clapper seal	Viton®
12	Drain plug ^{(3) (7)}	ASTMA-105

Notes:

- (1) For some larger sizes, valve body is manufactured with welded on flanges.
- (2) ASTM A-352-LCC for low temperature service; ASTM A-487-4C for high pressure valves.
- (3) ASTM A-350-LF2 for low temperature service.
- (4) For valves 6" & larger.
- (5) For low temperature service (-50°F), cover nut material will be ASTM A-194-7M.
- (6) For low temperature service (-50°F), cover stud material will be ASTM A-320-L7M.
- (7) Optional Drain plug is for valves 6" and larger.