

CVS Series E Dimensional Data

Steel Bodies through 600lb Rating

Size		Dimension A ¹											
		150 RF		150 RTJ		300 RF		300 RTJ		600 RF		600 RTJ	
In	Mm	In	Mm	In	Mm	In	Mm	In	Mm	In	Mm	In	Mm
1	25.4	7.25	184.2	7.75	196.9	7.75	196.9	8.25	209.6	8.25	209.6	8.25	209.6
1-1/2	38.1	8.75	222.3	9.25	235.0	9.25	235.0	9.75	247.7	9.88	251.0	9.88	251.0
2	50.8	10.00	254.0	10.50	266.7	10.50	266.7	11.13	282.7	11.25	285.8	11.38	289.1
2-1/2	63.5	10.88	276.4	11.38	289.1	11.50	292.1	12.13	308.1	12.25	311.2	12.38	314.5
3	76.2	11.75	298.5	12.25	311.2	12.5	317.5	13.13	333.5	13.25	333.6	13.38	339.9
4	101.6	13.88	352.6	14.38	365.3	14.51	368.3	15.13	384.3	15.50	393.7	15.63	397.0
6	152.4	17.75	450.9	18.25	463.6	18.63	473.2	19.25	489.0	20.00	508.0	20.13	511.3

Size		Dimension C											
		150 RF		150 RTJ		300 RF		300 RTJ		600 RF		600 RTJ	
In	Mm	In	Mm	In	Mm	In	Mm	In	Mm	In	Mm	In	Mm
1	25.4	2.13	54.1	2.13	54.1	2.13	54.1	2.13	54.1	2.13	54.1	2.13	54.1
1-1/2	38.1	2.44	61.9	2.44	61.9	2.44	61.9	2.44	61.9	2.44	61.9	2.44	61.9
2	50.8	2.88	73.2	2.88	73.2	2.88	73.2	2.88	73.2	2.88	73.2	2.88	73.2
2-1/2	63.5	3.44	87.4	3.44	87.4	3.44	87.4	3.44	87.4	3.44	87.4	3.44	87.4
3	76.2	3.56	90.4	3.56	90.4	3.56	90.4	3.56	90.4	3.56	90.4	3.56	90.4
4	101.6	4.69	119.1	4.69	119.1	4.81	119.1	4.81	119.1	4.94	125.5	4.94	125.5
6	152.4	5.19	131.8	5.31	134.9	5.31	134.9	5.50	139.7	5.50	139.7	5.50	139.7

Size		Dimension D											
		Standard Bonnet						Extension Bonnet					
		Stem Size						Stem Size					
In	mm	3/8	9.5	1/2	12.7	3.4	19.1	3/8	9.5	1/2	12.7	3.4	19.1
		In	Mm	In	Mm	In	Mm	In	Mm	In	Mm	In	Mm
1	25.4	5	127.0	5.88	150	---	---	8.38	212.8	9.88	251.0	---	---
1-1/2	38.1	4.88	123.8	5.75	146.1	---	---	8.25	209.6	9.75	247.7	---	---
2	50.8	---	---	6.50	165.1	6.38	162.1	---	---	10.50	266.7	10.50	266.7
2-1/2	63.5	---	---	7.38	187.5	7.25	184.2	---	---	11.38	289.1	11.56	293.6
3	76.2	---	---	7.50	190.5	7.38	187.5	---	---	11.50	292.1	11.69	296.9
4	101.6	---	---	8.69	221.0	8.56	217.4	---	---	12.69	322.3	12.88	327.2
6	152.4	---	---	---	---	9.88	251.0	---	---	---	---	14.06	357.1

1. Dimension B = A divided by 2
 RF=Raised Face RTJ=Ring Type Joint
 Flange Specification ASME/ANSIB16.5 - 1996

