

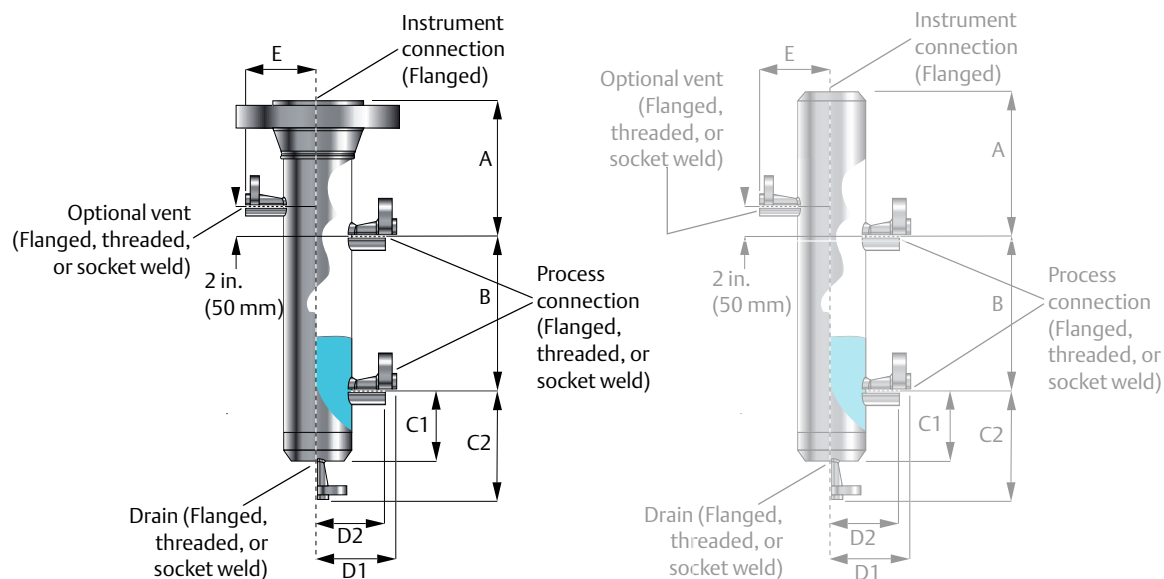
Dimensional Drawings

7010-3778LT

B dim = 64 in

Standard design

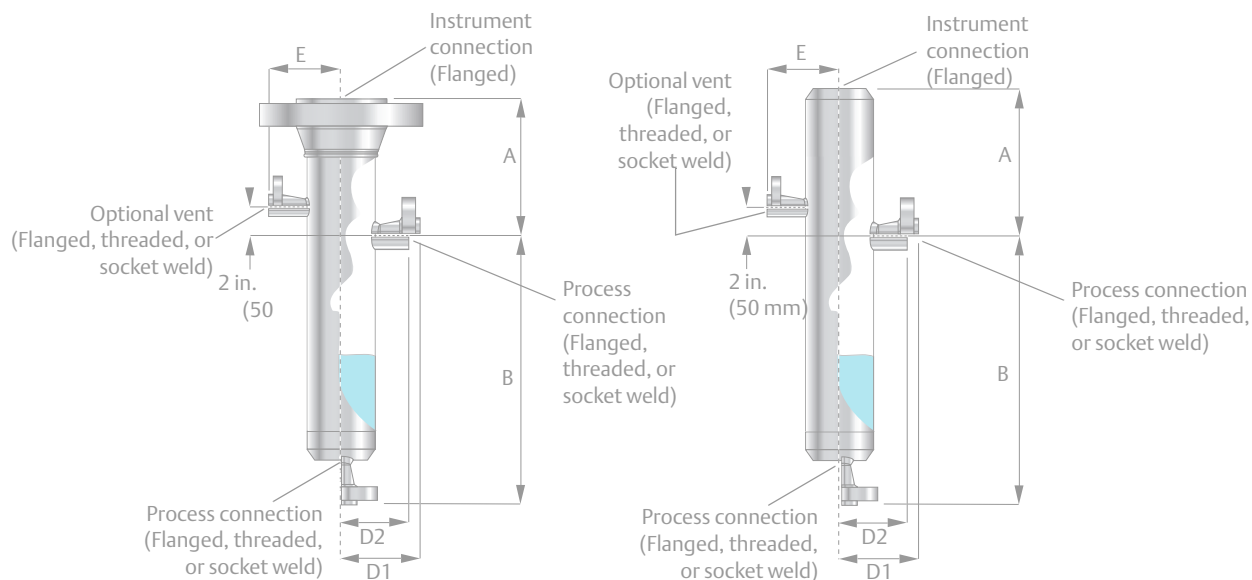
Figure 2. Side-and-Side Chambers



Note

Specify center-to-center dimension B when ordering. Dimensions A, C, D, and E are in the tables on pages 16 to 18.

Figure 3. Side-and-Bottom Chambers



Note

Specify center-to-center dimension B when ordering. Dimensions A, D, and E are in the tables on pages 16 to 18.

Table 5. **Dimension A** For Side-and-Side and Side-and-Bottom Chamber

Instrument connections ⁽¹⁾		3-in. (80 mm) DN80 chamber				4-in. (100 mm) DN100 chamber			
		No vent fitted		Vent fitted		No vent fitted		Vent fitted	
		in.	mm	in.	mm	in.	mm	in.	mm
Instrument type code G⁽²⁾									
All supported flanges		10.83	275	10.83	275	10.83	275	10.83	275
All supported flanges with G1 option		22	560	22	560	22	560	22	560
All supported flanges with G2 option		28	710	28	710	28	710	28	710
Instrument type code V⁽³⁾									
ASME B16.5 Class 150 flange	RF/RTJ	7.87/7.56	200/192	9.84/9.53	250/242	7.87/7.56	200/192	9.84/9.53	250/242
ASME B16.5 Class 300 flange	RF/RTJ	7.68/7.24	195/184	9.65/9.21	245/234	7.56/7.13	192/181	9.53/9.09	242/231
ASME B16.5 Class 600 flange	RF/RTJ	N/A	N/A	N/A	N/A	7.05/6.85	179/174	9.02/8.82	229/224
EN 1092 PN16 flange	RF	8.03	204	10.00	254	8.03	204	10.00	254
EN 1092 PN25 or PN40 flange	RF	7.87	200	9.84	250	7.87	200	9.84	250
EN 1092 PN63 flange	RF	N/A	N/A	N/A	N/A	7.56	192	9.53	242
EN 1092 PN100 flange	RF	N/A	N/A	N/A	N/A	7.32	186	9.29	236
Threaded or socket weld		6.30	160	6.30	160	6.30	160	6.30	160

1. RF = Raised Face flange. RTJ = Ring Type Joint flange.
2. Threaded or socket weld connections are not available for chambers with Instrument type code G selected.
3. ASME B16.5 Class 900/1500 and EN 1092 PN160/PN250 flanges are not available for chambers with Instrument type code V selected.

Table 6. **Dimensions C1 and C2** for Side-and-Side Chamber

Drain connections	3-in. (80-mm) DN80 chamber		4-in. (100-mm) DN100 chamber	
	in.	mm	in.	mm
Instrument type code G				
C1: SW/Threaded drain or no drain	11.42	290	11.42	290
C2: Flanged drain 3/4" 600#	14.57	370	14.57	370
Instrument type code V				
C1: SW/Threaded drain or no drain	6.30	160	6.30	160
C2: Flanged drain	9.45	240	9.45	240

Table 7. **Dimension D1** for Side-and-Side and Side-and-Bottom Chamber (Flanged Process Connections)

Flanged process connections ⁽¹⁾		3-in. (80-mm) DN80 chamber						4-in. (100-mm) DN100 chamber					
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
ASME B16.5		Class 150		Class 300		Class 600		Class 150		Class 300		Class 600	
1-in.	RF	3.86	98	4.09	104	4.37	111	4.33	110	4.61	117	4.84	123
	RTJ	4.06	103	4.33	110	4.37	111	4.57	116	4.84	123	4.84	123
1½-in.	RF	N/A	N/A	N/A	N/A	N/A	N/A	4.53	115	4.76	121	5.12	130
	RTJ	N/A	N/A	N/A	N/A	N/A	N/A	4.76	121	5.00	127	5.12	130
2-in.	RF	N/A	N/A	N/A	N/A	N/A	N/A	4.49	114	4.72	120	5.20	132
	RTJ	N/A	N/A	N/A	N/A	N/A	N/A	4.72	120	4.96	126	5.20	132
ASME B16.5		Class 900		Class 1500				Class 900		Class 1500			
1-in.	RF/RTJ	4.80	122	4.80	122			5.31	135	5.31	135		
1½-in.	RF/RTJ	N/A	N/A	N/A	N/A			5.63	143	5.63	143		
2-in.	RF/RTJ	N/A	N/A	N/A	N/A			6.34	161	6.34	161		
EN 1092 (PN)		PN16		PN25		PN40		PN16		PN25		PN40	
1-in.	RF	3.23	82	3.23	82	3.23	82	3.78	96	3.78	96	3.78	96
1½-in.	RF	N/A	N/A	N/A	N/A	N/A	N/A	3.82	97	3.82	97	3.82	97
2-in.	RF	N/A	N/A	N/A	N/A	N/A	N/A	3.74	95	3.86	98	3.86	98
EN 1092 (PN)		PN63/PN100		PN160		PN250		PN63/PN100		PN160		PN250	
1-in.	RF	3.98	101	3.98	101	4.25	108	4.49	114	4.49	114	4.76	121
1½-in.	RF	N/A	N/A	N/A	N/A	N/A	N/A	4.49	114	4.57	116	5.20	132
2-in.	RF	N/A	N/A	N/A	N/A	N/A	N/A	4.41/4.7	113/119	4.96	126	5.35	136

1. RF = Raised Face flange. RTJ = Ring Type Joint flange.

Table 8. **Dimension D2** for Side-and-Side and Side-and-Bottom Chamber (Threaded/Socket Weld Connections)

Threaded or SW process connections	3-in. (80-mm) DN80 chamber		4-in. (100-mm) DN100 chamber	
	in.	mm	in.	mm
1-in. (25 mm)	3.74	95	4.21	107

Table 9. **Dimension E** for Side-and-Side and Side-and-Bottom Chamber

Vent connections ⁽¹⁾		3-in. (80-mm) DN80 chamber						4-in. (100-mm) DN100 chamber					
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
ASME B16.5		Class 150		Class 300		Class 600		Class 150		Class 300		Class 600	
1/2-in.	RF	3.62	92	3.78	96	4.06	103	4.09	104	4.29	109	4.53	115
	RTJ	N/A	N/A	3.94	100	4.02	102	N/A	N/A	4.41	112	4.45	113
3/4-in.	RF	3.78	96	3.98	101	4.25	108	4.29	109	4.49	114	4.72	120
	RTJ	N/A	N/A	4.17	106	4.25	108	N/A	N/A	4.65	118	4.69	119
1-in.	RF	3.86	98	4.09	104	4.37	111	4.33	110	4.57	116	4.84	123
	RTJ	4.06	103	4.33	110	4.37	111	4.57	116	4.84	123	4.84	123
ASME B16.5		Class 900		Class 1500				Class 900		Class 1500			
1/2-in.	RF	4.37	111	4.37	111			4.84	123	4.84	123		
	RTJ	4.37	111	4.37	111			4.80	122	4.80	122		
3/4 in.	RF	4.72	120	4.72	120			5.24	133	5.24	133		
	RTJ	4.72	120	4.72	120			5.20	132	5.20	132		
1 in.	RF	4.80	122	4.80	122			5.31	135	5.31	135		
	RTJ	4.80	122	4.80	122			5.31	135	5.31	135		
EN 1092 (PN)		PN16		PN25		PN40		PN16		PN25		PN40	
1/2 in.	RF	3.19	81	3.19	81	3.19	81	3.70	94	3.70	94	3.70	94
3/4 in.	RF	3.27	83	3.27	83	3.27	83	3.78	96	3.78	96	3.78	96
1 in.	RF	3.23	82	3.23	82	3.23	82	3.78	96	3.78	96	3.78	96
EN 1092 (PN)		PN63/PN100		PN160		PN250		PN63/PN100		PN160		PN250	
1/2 in.	RF	3.50	89	3.50	89	4.09	104	3.98	101	3.98	101	4.57	116
3/4 in.	RF	3.62	92	N/A	N/A	N/A	N/A	4.09	104	N/A	N/A	N/A	N/A
1 in.	RF	3.98	101	3.98	101	4.25	108	4.49	114	4.49	114	4.76	121
Non-Flanged		Threaded		Socket weld				Threaded		Socket weld			
1/2 in., 3/4 in., and 1 in.		3.74	95	3.74	95			4.21	107	4.21	107		

1. RF = Raised Face flange. RTJ = Ring Type Joint flange.