

Rev A - October 2003

Series Specifications 110FW.E6 (110FW)

(also called Series 110)

**Table 110FW.E6.1
 (Series 110FW)
 General Information**

Size in.	Rating psi	I.D. in.	O.D. in.	Radius in.	Total Wall in.	Mean Diameter in.	Mean Radius in.
0.50	150	0.50	1.0000	0.5000	0.2500	0.8600	0.4300
0.75	150	0.75	1.2500	0.6250	0.2500	1.1100	0.5550
1.00	150	1.00	1.5000	0.7500	0.2500	1.3600	0.6800
1.50	150	1.50	2.0000	1.0000	0.2500	1.8600	0.9300
2.00	150	2.00	2.5000	1.2500	0.2500	2.3600	1.1800
2.50	150	2.50	3.0000	1.5000	0.2500	2.8600	1.4300
3.00	150	3.00	3.5000	1.7500	0.2500	3.3600	1.6800
4.00	150	4.00	4.5000	2.2500	0.2500	4.3600	2.1800
5.00	150	5.00	5.5000	2.7500	0.2500	5.3600	2.6800
6.00	150	6.00	6.6250	3.3125	0.3125	6.4225	3.2113
8.00	150	8.00	8.7500	4.3750	0.3750	8.4850	4.2425
10.00	150	10.00	10.8750	5.4375	0.4375	10.5475	5.2738
12.00	150	12.00	13.0000	6.5000	0.5000	12.6100	6.3050
14.00	150	14.25	15.3750	7.6875	0.5625	14.9225	7.4613
16.00	150	16.25	17.5000	8.7500	0.6250	16.9850	8.4925
18.00	150	18.25	19.6250	9.8125	0.6875	19.0475	9.5238
20.00	150	20.25	21.7500	10.8750	0.7500	21.1100	10.5550
24.00	150	24.25	26.0000	13.0000	0.8750	25.2350	12.6175
30.00	100	30.25	31.7500	15.8750	0.7500	31.1100	15.5550
36.00	100	36.25	38.0000	19.0000	0.8750	37.2350	18.6175
42.00	50	42.25	43.3750	21.6875	0.5625	42.9225	21.4613
48.00	50	48.25	49.5000	24.7500	0.6250	48.9850	24.4925
54.00	50	54.25	55.6250	27.8125	0.6875	55.0475	27.5238
60.00	50	60.25	61.7500	30.8750	0.7500	61.1100	30.5550
66.00	50	66.25	67.8750	33.9375	0.8125	67.1725	33.5863
72.00	50	72.25	74.0000	37.0000	0.8750	73.2350	36.6175

Notes:

1. 0.50, 0.75, 1.00, 1.50, 22.00, 54.00, 66.00, and 72.00in. piping are non-standard and are provided for information only.
2. Refer to Engineering Specifications EG.E10 Table T11-1A through 1E for additional information on pressure ratings.

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Series Specifications 110FW.E6 (110FW)

(also called Series 110)

**Table 110FW.E6.2
 (Series 110FW)
 Areas, Inertias, Weights**

Note: the pipe weight in this table will differ slightly from the Fittings Guide and Quick-Specs

Size in.	Rating psi	Internal Area sq in.	Total Area sq in.	Reinf Area sq in.	Total Inertia in. 4	Reinf Inertia in. 4	Pipe Weight lb/ft	Fluid Weight lb/ft	Total Weight lb/ft
0.50	150	0.20	0.59	0.38	0.05	0.04	0.53	0.09	0.62
0.75	150	0.44	0.79	0.49	0.10	0.08	0.71	0.19	0.90
1.00	150	0.79	0.98	0.60	0.20	0.14	0.88	0.34	1.22
1.50	150	1.77	1.37	0.82	0.54	0.36	1.24	0.77	2.00
2.00	150	3.14	1.77	1.04	1.13	0.73	1.59	1.36	2.95
2.50	150	4.91	2.16	1.26	2.06	1.29	1.94	2.13	4.07
3.00	150	7.07	2.55	1.48	3.39	2.09	2.30	3.06	5.36
4.00	150	12.57	3.34	1.92	7.56	4.56	3.00	5.44	8.45
5.00	150	19.63	4.12	2.36	14.24	8.47	3.71	8.51	12.22
6.00	150	28.27	6.20	4.09	30.94	21.09	5.35	12.25	17.60
8.00	150	50.27	9.87	7.06	86.68	63.63	8.29	21.78	30.06
10.00	150	78.54	14.35	10.85	195.70	151.06	11.80	34.02	45.83
12.00	150	113.10	19.63	15.45	384.11	307.39	15.90	48.99	64.90
14.00	150	159.48	26.18	21.21	718.94	591.02	20.94	69.09	90.03
16.00	150	207.39	33.13	27.48	1181.05	991.89	26.24	89.84	116.09
18.00	150	261.59	40.90	34.56	1836.00	1568.65	32.13	113.32	145.45
20.00	150	322.06	49.48	42.44	2731.07	2366.48	38.59	139.52	178.11
24.00	150	461.86	69.07	60.65	5456.48	4832.04	53.28	200.08	253.36
30.00	150	718.69	73.04	62.55	8779.31	7570.48	56.97	311.34	368.31
36.00	150	1032.06	102.05	89.49	17591.73	15515.25	78.73	447.09	525.82
42.00	150	1401.98	75.66	61.02	17336.81	14053.41	60.52	607.34	667.86
48.00	150	1828.46	95.97	79.25	28659.67	23774.12	76.00	792.09	868.09
54.00	150	2311.48	118.66	99.87	44772.08	37833.15	93.20	1001.33	1094.53
60.00	150	2851.04	143.73	122.87	66861.53	57362.01	112.11	1235.07	1347.18
66.00	150	3447.16	171.18	148.25	96246.78	83623.48	132.73	1493.31	1626.04
72.00	150	4099.83	201.01	176.01	134377.87	118011.62	155.07	1776.05	1931.11

Notes:

1. 0.50, 0.75, 1.00, 1.50, 22.00, 54.00, 66.00, and 72.00in. piping are non-standard and are provided for information only.
2. Refer to Engineering Specifications EG.E10 Table T11-1A through 1E for additional information on pressure ratings.
3. Pipe weight is an estimate. Refer to the E14 specifications for published pipe weights.

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Series Specifications 110FW.E6 (110FW)

(also called Series 110)

Table 110FW.E6M.1 (Metric)
 (Series 110FW)
 General Information

Size mm	Rating bar	I.D. mm	O.D. mm	Radius mm	Total Wall mm	Mean Diameter mm	Mean Radius mm
15	10	12.70	25.40	12.70	6.35	21.84	10.9220
20	10	19.05	31.75	15.88	6.35	28.19	14.0970
25	10	25.40	38.10	19.05	6.35	34.54	17.2720
40	10	38.10	50.80	25.40	6.35	47.24	23.6220
50	10	50.80	63.50	31.75	6.35	59.94	29.9720
65	10	63.50	76.20	38.10	6.35	72.64	36.3220
80	10	76.20	88.90	44.45	6.35	85.34	42.6720
100	10	101.60	114.30	57.15	6.35	110.74	55.3720
125	10	127.00	139.70	69.85	6.35	136.14	68.0720
150	10	152.40	168.28	84.14	7.94	163.13	81.5658
200	10	203.20	222.25	111.13	9.53	215.52	107.7595
250	10	254.00	276.23	138.11	11.11	267.91	133.9533
300	10	304.80	330.20	165.10	12.70	320.29	160.1470
350	10	361.95	390.53	195.26	14.29	379.03	189.5158
400	10	412.75	444.50	222.25	15.88	431.42	215.7095
450	10	463.55	498.48	249.24	17.46	483.81	241.9033
500	10	514.35	552.45	276.23	19.05	536.19	268.0970
600	10	615.95	660.40	330.20	22.23	640.97	320.4845
750	7	768.35	806.45	403.23	19.05	790.19	395.0970
900	7	920.75	965.20	482.60	22.23	945.77	472.8845
1050	3	1073.15	1101.73	550.86	14.29	1090.23	545.1158
1200	3	1225.55	1257.30	628.65	15.88	1244.22	622.1095
1350	3	1377.95	1412.88	706.44	17.46	1398.21	699.1033
1500	3	1530.35	1568.45	784.23	19.05	1552.19	776.0970
1650	3	1682.75	1724.03	862.01	20.64	1706.18	853.0908
1800	3	1835.15	1879.60	939.80	22.23	1860.17	930.0845

Notes:

1. 13, 19, 25, 38, 559, 1372, 1676, and 1829mm piping are non-standard and are provided for information only.
2. Refer to Engineering Specifications EG.E10 Table T11-1A through 1E for additional information on pressure ratings.

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Series Specifications 110FW.E6 (110FW)

(also called Series 110)

**Table 110FW.E6M.2 (Metric)
 (Series 110FW)
 Areas, Inertias, Weights**

Note: the pipe weight in this table will differ slightly from the Fittings Guide and Quick-Specs

Size mm	Rating bar	Internal Area sq cm	Total Area sq cm	Reinf Area sq cm	Total Inertia cm 4	Reinf Inertia cm 4	Pipe Weight kg/m	Fluid Weight kg/m	Total Weight kg/m
15	10	1.3	3.8	2.4	1.9	1.5	0.79	0.13	0.92
20	10	2.9	5.1	3.1	4.3	3.2	1.05	0.29	1.34
25	10	5.1	6.3	3.9	8.3	5.8	1.31	0.51	1.82
40	10	11.4	8.9	5.3	22.3	14.8	1.84	1.14	2.98
50	10	20.3	11.4	6.7	47.1	30.2	2.37	2.03	4.39
65	10	31.7	13.9	8.1	85.7	53.7	2.89	3.17	6.06
80	10	45.6	16.5	9.5	141.1	87.0	3.42	4.56	7.98
100	10	81.1	21.5	12.4	314.8	189.9	4.47	8.11	12.58
125	10	126.7	26.6	15.2	592.6	352.6	5.52	12.67	18.19
150	10	182.4	40.0	26.4	1288.0	877.7	7.97	18.24	26.21
200	10	324.3	63.7	45.6	3607.9	2648.6	12.33	32.43	44.76
250	10	506.7	92.6	70.0	8145.6	6287.4	17.57	50.67	68.24
300	10	729.7	126.7	99.7	15987.8	12794.4	23.67	72.97	96.63
350	10	1028.9	168.9	136.9	29924.6	24600.1	31.16	102.89	134.06
400	10	1338.0	213.8	177.3	49158.8	41285.5	39.05	133.80	172.86
450	10	1687.7	263.9	222.9	76420.1	65292.0	47.81	168.77	216.58
500	10	2077.8	319.2	273.8	113675.7	98500.5	57.44	207.78	265.22
600	10	2979.8	445.6	391.3	227115.8	201124.5	79.29	297.98	377.26
750	10	4636.7	471.2	403.5	365422.5	315107.3	84.79	463.67	548.45
900	10	6658.5	658.4	577.3	732223.0	645793.3	117.16	665.85	783.00
1050	10	9045.0	488.1	393.7	721612.4	584947.1	90.07	904.50	994.58
1200	10	11796.5	619.1	511.3	1192905.6	989553.6	113.11	1179.65	1292.75
1350	10	14912.7	765.5	644.3	1863554.7	1574734.5	138.70	1491.27	1629.97
1500	10	18393.8	927.3	792.7	2782986.9	2387587.0	166.84	1839.38	2006.22
1650	10	22239.7	1104.4	956.4	4006093.5	3480672.1	197.53	2223.97	2421.50
1800	10	26450.4	1296.9	1135.5	5593229.3	4912014.4	230.77	2645.04	2875.81

Notes:

1. 13, 19, 25, 38, 559, 1372, 1676, and 1829mm piping are non-standard and are provided for information only.
2. Refer to Engineering Specifications EG.E10 Table T11-1A through 1E for additional information on pressure ratings.
3. Pipe weight is an estimate. Refer to the E14 specifications for published pipe weights.