

**Series Specifications 20FR20.E6 (20FR20)**

(also includes Series 20FR20-C)

**Table 20FR20.E6.1  
 (Series 20FR20)  
 General Information**

<b>Size in.</b>	<b>Rating psi</b>	<b>I.D. in.</b>	<b>O.D. in.</b>	<b>Radius in.</b>	<b>Total Wall in.</b>	<b>Mean Diameter in.</b>	<b>Mean Radius in.</b>
0.50	290	0.50	1.00	0.50	0.25	0.77	0.39
0.75	290	0.75	1.25	0.63	0.25	1.02	0.51
1.00	290	1.00	1.50	0.75	0.25	1.27	0.64
1.50	290	1.50	2.00	1.00	0.25	1.77	0.89
2.00	290	2.00	2.50	1.25	0.25	2.27	1.14
2.50	290	2.50	3.00	1.50	0.25	2.77	1.39
3.00	290	3.00	3.50	1.75	0.25	3.27	1.64
4.00	290	4.00	4.50	2.25	0.25	4.27	2.14
5.00	290	5.00	5.50	2.75	0.25	5.27	2.64
6.00	290	6.00	6.60	3.30	0.30	6.32	3.16
8.00	290	8.00	8.78	4.39	0.39	8.41	4.21
10.00	290	10.00	10.96	5.48	0.48	10.50	5.25
12.00	290	12.00	13.16	6.58	0.58	12.60	6.30
14.00	261	14.25	15.47	7.74	0.61	14.88	7.44
16.00	261	16.25	17.63	8.82	0.69	16.96	8.48
18.00	261	18.25	19.81	9.91	0.78	19.05	9.53
20.00	232	20.25	21.77	10.89	0.76	21.03	10.52
22.00	232	22.25	23.93	11.97	0.84	23.11	11.56
24.00	232	24.25	26.07	13.04	0.91	25.18	12.59
30.00	150	30.25	31.71	15.86	0.73	31.00	15.50
36.00	150	36.25	37.99	19.00	0.87	37.14	18.57
42.00	100	42.25	43.59	21.80	0.67	42.94	21.47
48.00	100	48.25	49.79	24.90	0.77	49.04	24.52
54.00	50	54.25	55.13	27.57	0.44	54.71	27.36
60.00	50	60.25	61.21	30.61	0.48	60.75	30.38
66.00	50	66.25	67.31	33.66	0.53	66.80	33.40
72.00	50	72.25	73.41	36.71	0.58	72.85	36.43

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.

**Series Specifications 20FR20.E6 (20FR20)**

(also includes Series 20FR20-C)

**Table 20FR20.E6.2  
 (Series 20FR20)  
 Areas, Inertias, Weights**

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	290	0.20	0.59	0.56	0.05	0.04	0.53	0.09	0.62
0.75	290	0.44	0.79	0.74	0.10	0.10	0.71	0.19	0.90
1.00	290	0.79	0.98	0.92	0.20	0.19	0.88	0.34	1.22
1.50	290	1.77	1.37	1.28	0.54	0.51	1.24	0.77	2.00
2.00	290	3.14	1.77	1.64	1.13	1.07	1.59	1.36	2.95
2.50	290	4.91	2.16	2.00	2.06	1.93	1.94	2.13	4.07
3.00	290	7.07	2.55	2.36	3.39	3.17	2.30	3.06	5.36
4.00	290	12.57	3.34	3.09	7.56	7.05	3.00	5.44	8.45
5.00	290	19.63	4.12	3.81	14.24	13.24	3.71	8.51	12.22
6.00	290	28.27	5.94	5.56	29.52	27.81	5.17	12.25	17.41
8.00	290	50.27	10.28	9.78	90.65	86.59	8.59	21.78	30.36
10.00	290	78.54	15.80	15.17	217.42	209.52	12.86	34.02	46.88
12.00	290	113.10	22.92	22.17	454.41	440.77	18.28	48.99	67.28
14.00	261	159.48	28.48	27.58	787.37	764.54	22.60	69.09	91.69
16.00	261	207.39	36.72	35.70	1319.38	1285.55	28.83	89.84	118.68
18.00	261	261.59	46.63	45.48	2114.46	2066.57	36.27	113.32	149.58
20.00	232	322.06	50.16	48.89	2771.53	2706.12	39.09	139.52	178.61
22.00	232	388.82	60.93	59.53	4066.17	3979.42	47.14	168.44	215.57
24.00	232	461.86	71.93	70.40	5699.03	5586.75	55.35	200.08	255.42
30.00	150	718.69	71.05	69.15	8528.41	8310.57	55.53	311.34	366.87
36.00	150	1032.06	101.46	99.18	17484.03	17109.29	78.30	447.09	525.39
42.00	100	1401.98	90.34	87.68	20807.49	20214.31	71.11	607.34	678.45
48.00	100	1828.46	118.58	115.55	35626.87	34743.54	92.31	792.09	884.40
54.00	50	2311.48	75.60	72.19	28266.01	27010.64	62.16	1001.33	1063.49
60.00	50	2851.04	91.58	87.79	42221.93	40502.47	74.52	1235.07	1309.59
66.00	50	3447.16	111.19	107.03	61987.25	59701.43	89.50	1493.31	1582.81
72.00	50	4099.83	132.71	128.16	87992.64	85028.05	105.84	1776.05	1881.89

Notes:

- 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.
- Pipe weight is an estimate. Refer to the E14 specifications for published pipe weights.

**Series Specifications 20FR20.E6 (20FR20)**

(also includes Series 20FR20-C)

**Table 20FR20.E6M.1 (Metric)  
 (Series 20FR20)  
 General Information**

<b>Size mm</b>	<b>Rating bar</b>	<b>I.D. mm</b>	<b>O.D. mm</b>	<b>Radius mm</b>	<b>Total Wall mm</b>	<b>Mean Diameter mm</b>	<b>Mean Radius mm</b>
13	20	13	25	13	6	20	10
19	20	19	32	16	6	26	13
25	20	25	38	19	6	32	16
38	20	38	51	25	6	45	22
51	20	51	64	32	6	58	29
64	20	64	76	38	6	70	35
76	20	76	89	44	6	83	42
102	20	102	114	57	6	108	54
127	20	127	140	70	6	134	67
152	20	152	168	84	8	161	80
203	20	203	223	112	10	214	107
254	20	254	278	139	12	267	133
305	20	305	334	167	15	320	160
356	18	362	393	196	15	378	189
406	18	413	448	224	18	431	215
457	18	464	503	252	20	484	242
508	16	514	553	276	19	534	267
559	16	565	608	304	21	587	293
610	16	616	662	331	23	640	320
762	10	768	805	403	19	787	394
914	10	921	965	482	22	943	472
1067	7	1073	1107	554	17	1091	545
1219	7	1226	1265	632	20	1246	623
1372	3	1378	1400	700	11	1390	695
1524	3	1530	1555	777	12	1543	772
1676	3	1683	1710	855	13	1697	848
1829	3	1835	1865	932	15	1850	925

Notes:

1. 13, 19, 25, 38, 559, 1372, 1676, and 1829mm piping are non-standard and are provided for information only.

**Series Specifications 20FR20.E6 (20FR20)**

(also includes Series 20FR20-C)

**Table 20FR20.E6M.2 (Metric)  
 (Series 20FR20)  
 Areas, Inertias, Weights**

<b>Size mm</b>	<b>Rating bar</b>	<b>Internal Area sq cm</b>	<b>Total Area sq cm</b>	<b>Reinf Area sq cm</b>	<b>Total Inertia cm 4</b>	<b>Reinf Inertia cm 4</b>	<b>Pipe Weight kg/m</b>	<b>Fluid Weight kg/m</b>	<b>Total Weight kg/m</b>
13	20	1.3	3.8	3.6	1.9	1.9	0.79	0.13	0.92
19	20	2.9	5.1	4.8	4.3	4.2	1.05	0.29	1.34
25	20	5.1	6.3	5.9	8.3	8.0	1.31	0.51	1.82
38	20	11.4	8.9	8.3	22.3	21.2	1.84	1.14	2.98
51	20	20.3	11.4	10.6	47.1	44.4	2.37	2.03	4.39
64	20	31.7	13.9	12.9	85.7	80.5	2.89	3.17	6.06
76	20	45.6	16.5	15.2	141.1	132.1	3.42	4.56	7.98
102	20	81.1	21.5	19.9	314.8	293.5	4.47	8.11	12.58
127	20	126.7	26.6	24.6	592.6	551.3	5.52	12.67	18.19
152	20	182.4	38.3	35.9	1228.9	1157.6	7.69	18.24	25.93
203	20	324.3	66.3	63.1	3773.0	3604.3	12.78	32.43	45.21
254	20	506.7	102.0	97.9	9049.6	8720.7	19.14	50.67	69.81
305	20	729.7	147.9	143.0	18914.2	18346.4	27.21	72.97	100.17
356	18	1028.9	183.7	177.9	32772.7	31822.8	33.64	102.89	136.53
406	18	1338.0	236.9	230.3	54916.6	53508.7	42.91	133.80	176.71
457	18	1687.7	300.9	293.4	88010.5	86016.9	53.97	168.77	222.73
508	16	2077.8	323.6	315.4	115359.8	112637.2	58.17	207.78	265.95
559	16	2508.5	393.1	384.1	169246.7	165636.1	70.15	250.85	321.00
610	16	2979.8	464.1	454.2	237211.5	232538.1	82.36	297.98	380.34
762	10	4636.7	458.4	446.1	354979.2	345912.2	82.64	463.67	546.31
914	10	6658.5	654.6	639.8	727740.3	712142.3	116.52	665.85	782.36
1067	7	9045.0	582.8	565.7	866073.0	841383.0	105.83	904.50	1010.33
1219	7	11796.5	765.0	745.5	1482902.3	1446135.4	137.37	1179.65	1317.02
1372	3	14912.7	487.7	465.7	1176520.0	1124267.8	92.51	1491.27	1583.78
1524	3	18393.8	590.8	566.4	1757409.5	1685839.9	110.90	1839.38	1950.28
1676	3	22239.7	717.4	690.5	2580104.1	2484961.3	133.19	2223.97	2357.16
1829	3	26450.4	856.2	826.9	3662530.2	3539134.8	157.51	2645.04	2802.56

Notes:

1. 13, 19, 25, 38, 559, 1372, 1676, and 1829mm piping are non-standard and are provided for information only.
2. Pipe weight is an estimate. Refer to the E14 specifications for published pipe weights.