

**Rev B - May-25-2012**  
**Series Specifications 20FR20.E6 (20FR20)**

(also includes Series 20FR20-C)

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

**Rev B - May-25-2012**  
**Series Specifications 20FR20.E6 (20FR20)**

(also includes Series 20FR20-C)

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

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

<b>Size in.</b>	<b>Rating psi</b>	<b>Internal Area sq in.</b>	<b>Total Area sq in.</b>	<b>Reinf Area sq in.</b>	<b>Total Inertia in. 4</b>	<b>Reinf Inertia in. 4</b>	<b>Pipe Weight lb/ft</b>	<b>Fluid Weight lb/ft</b>	<b>Total Weight lb/ft</b>
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:

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

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Series Specifications 20FR20.E6 (20FR20)

(also includes Series 20FR20-C)

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

Size mm	Rating bar	I.D. mm	O.D. mm	Radius mm	Total Wall mm	Mean Diameter mm	Mean Radius mm
15	20	13	25	13	6	20	10
20	20	19	32	16	6	26	13
25	20	25	38	19	6	32	16
40	20	38	51	25	6	45	22
50	20	51	64	32	6	58	29
65	20	64	76	38	6	70	35
80	20	76	89	44	6	83	42
100	20	102	114	57	6	108	54
125	20	127	140	70	6	134	67
150	20	152	168	84	8	161	80
200	20	203	223	112	10	214	107
250	20	254	278	139	12	267	133
300	20	305	334	167	15	320	160
350	18	362	393	196	15	378	189
400	18	413	448	224	18	431	215
450	18	464	503	252	20	484	242
500	16	514	553	276	19	534	267
550	16	565	608	304	21	587	293
600	16	616	662	331	23	640	320
750	10	768	805	403	19	787	394
900	10	921	965	482	22	943	472
1050	7	1073	1107	554	17	1091	545
1200	7	1226	1265	632	20	1246	623
1350	3	1378	1400	700	11	1390	695
1500	3	1530	1555	777	12	1543	772
1650	3	1683	1710	855	13	1697	848
1800	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.

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Series Specifications 20FR20.E6 (20FR20)

(also includes Series 20FR20-C)

**Table 20FR20.E6M.2 (Metric)  
 (Series 20FR20)  
 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	20	1.3	3.8	3.6	1.9	1.9	0.79	0.13	0.92
20	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
40	20	11.4	8.9	8.3	22.3	21.2	1.84	1.14	2.98
50	20	20.3	11.4	10.6	47.1	44.4	2.37	2.03	4.39
65	20	31.7	13.9	12.9	85.7	80.5	2.89	3.17	6.06
80	20	45.6	16.5	15.2	141.1	132.1	3.42	4.56	7.98
100	20	81.1	21.5	19.9	314.8	293.5	4.47	8.11	12.58
125	20	126.7	26.6	24.6	592.6	551.3	5.52	12.67	18.19
150	20	182.4	38.3	35.9	1228.9	1157.6	7.69	18.24	25.93
200	20	324.3	66.3	63.1	3773.0	3604.3	12.78	32.43	45.21
250	20	506.7	102.0	97.9	9049.6	8720.7	19.14	50.67	69.81
300	20	729.7	147.9	143.0	18914.2	18346.4	27.21	72.97	100.17
350	18	1028.9	183.7	177.9	32772.7	31822.8	33.64	102.89	136.53
400	18	1338.0	236.9	230.3	54916.6	53508.7	42.91	133.80	176.71
450	18	1687.7	300.9	293.4	88010.5	86016.9	53.97	168.77	222.73
500	16	2077.8	323.6	315.4	115359.8	112637.2	58.17	207.78	265.95
550	16	2508.5	393.1	384.1	169246.7	165636.1	70.15	250.85	321.00
600	16	2979.8	464.1	454.2	237211.5	232538.1	82.36	297.98	380.34
750	10	4636.7	458.4	446.1	354979.2	345912.2	82.64	463.67	546.31
900	10	6658.5	654.6	639.8	727740.3	712142.3	116.52	665.85	782.36
1050	7	9045.0	582.8	565.7	866073.0	841383.0	105.83	904.50	1010.33
1200	7	11796.5	765.0	745.5	1482902.3	1446135.4	137.37	1179.65	1317.02
1350	3	14912.7	487.7	465.7	1176520.0	1124267.8	92.51	1491.27	1583.78
1500	3	18393.8	590.8	566.4	1757409.5	1685839.9	110.90	1839.38	1950.28
1650	3	22239.7	717.4	690.5	2580104.1	2484961.3	133.19	2223.97	2357.16
1800	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.