

Rev A - June 2001  
 Series Specifications 20HV-D.E6 (20HV-D)

Table 20HV-D.E6.1  
 (Series 20HV-D)  
 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	100	0.50	1.0000	0.5000	0.2500	0.7700	0.3850
0.75	100	0.75	1.2500	0.6250	0.2500	1.0200	0.5100
1.00	100	1.00	1.5000	0.7500	0.2500	1.2700	0.6350
1.50	100	1.50	2.0000	1.0000	0.2500	1.7700	0.8850
2.00	100	2.00	2.4000	1.2000	0.2000	2.2200	1.1100
2.50	100	2.50	2.9000	1.4500	0.2000	2.7200	1.3600
3.00	100	3.00	3.4000	1.7000	0.2000	3.2200	1.6100
4.00	100	4.00	4.4000	2.2000	0.2000	4.2200	2.1100
5.00	100	5.00	5.4000	2.7000	0.2000	5.2200	2.6100
6.00	100	6.00	6.4000	3.2000	0.2000	6.2200	3.1100
8.00	100	8.00	8.4000	4.2000	0.2000	8.2200	4.1100
10.00	100	10.00	10.4000	5.2000	0.2000	10.2200	5.1100
12.00	100	12.00	12.4200	6.2100	0.2100	12.2300	6.1150
14.00	100	14.25	14.7300	7.3650	0.2400	14.5100	7.2550
16.00	100	16.25	16.7900	8.3950	0.2700	16.5400	8.2700
18.00	100	18.25	18.8500	9.4250	0.3000	18.5700	9.2850
20.00	100	20.25	20.9100	10.4550	0.3300	20.6000	10.3000
24.00	100	24.25	25.0300	12.5150	0.3900	24.6600	12.3300
30.00	100	30.25	31.2300	15.6150	0.4900	30.7600	15.3800
36.00	100	36.25	37.4100	18.7050	0.5800	36.8500	18.4250
42.00	50	42.25	42.9500	21.4750	0.3500	42.6200	21.3100
48.00	50	48.25	49.0300	24.5150	0.3900	48.6600	24.3300
54.00	50	54.25	55.1300	27.5650	0.4400	54.7100	27.3550
60.00	50	60.25	61.2100	30.6050	0.4800	60.7500	30.3750
66.00	50	66.25	67.3100	33.6550	0.5300	66.8000	33.4000
72.00	50	72.25	73.3900	36.6950	0.5700	72.8400	36.4200

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.

Rev A - June 2001  
 Series Specifications 20HV-D.E6 (20HV-D)

**Table 20HV-D.E6.2  
 (Series 20HV-D)  
 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	100	0.20	0.59	0.56	0.05	0.04	0.53	0.09	0.62
0.75	100	0.44	0.79	0.74	0.10	0.10	0.71	0.19	0.90
1.00	100	0.79	0.98	0.92	0.20	0.19	0.88	0.34	1.22
1.50	100	1.77	1.37	1.28	0.54	0.51	1.24	0.77	2.00
2.00	100	3.14	1.38	1.26	0.84	0.78	1.31	1.36	2.67
2.50	100	4.91	1.70	1.54	1.55	1.43	1.60	2.13	3.73
3.00	100	7.07	2.01	1.82	2.58	2.37	1.90	3.06	4.96
4.00	100	12.57	2.64	2.39	5.83	5.32	2.49	5.44	7.94
5.00	100	19.63	3.27	2.95	11.06	10.07	3.09	8.51	11.59
6.00	100	28.27	3.90	3.52	18.74	17.02	3.68	12.25	15.93
8.00	100	50.27	5.15	4.65	43.33	39.28	4.87	21.78	26.64
10.00	100	78.54	6.41	5.78	83.38	75.48	6.06	34.02	40.08
12.00	100	113.10	8.06	7.30	150.16	136.52	7.53	48.99	56.52
14.00	100	159.48	10.93	10.03	286.81	263.99	9.91	69.09	79.00
16.00	100	207.39	14.01	12.99	478.16	444.33	12.42	89.84	102.27
18.00	100	261.59	17.48	16.34	752.19	704.29	15.21	113.32	128.53
20.00	100	322.06	21.34	20.06	1129.85	1064.44	18.27	139.52	157.79
24.00	100	461.86	30.19	28.66	2291.69	2179.41	25.22	200.08	225.30
30.00	100	718.69	47.32	45.42	5590.85	5373.02	38.42	311.34	349.75
36.00	100	1032.06	67.11	64.83	11381.53	11006.79	53.53	447.09	500.61
42.00	100	1401.98	46.84	44.19	10626.40	10033.22	39.75	607.34	647.09
48.00	100	1828.46	59.59	56.56	17625.16	16741.83	49.78	792.09	841.87
54.00	100	2311.48	75.60	72.19	28266.01	27010.64	62.16	1001.33	1063.49
60.00	100	2851.04	91.58	87.79	42221.93	40502.47	74.52	1235.07	1309.59
66.00	100	3447.16	111.19	107.03	61987.25	59701.43	89.50	1493.31	1582.81
72.00	100	4099.83	130.40	125.86	86439.72	83475.14	104.18	1776.05	1880.23

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.

Rev A - June 2001  
 Series Specifications 20HV-D.E6 (20HV-D)

Table 20HV-D.E6M.1 (Metric)  
 (Series 20HV-D)  
 General Information

Size mm	Rating bar	I.D. mm	O.D. mm	Radius mm	Total Wall mm	Mean Diameter mm	Mean Radius mm
15	7	12.70	25.40	12.70	6.35	19.56	9.7790
20	7	19.05	31.75	15.88	6.35	25.91	12.9540
25	7	25.40	38.10	19.05	6.35	32.26	16.1290
40	7	38.10	50.80	25.40	6.35	44.96	22.4790
50	7	50.80	60.96	30.48	5.08	56.39	28.1940
65	7	63.50	73.66	36.83	5.08	69.09	34.5440
80	7	76.20	86.36	43.18	5.08	81.79	40.8940
100	7	101.60	111.76	55.88	5.08	107.19	53.5940
125	7	127.00	137.16	68.58	5.08	132.59	66.2940
150	7	152.40	162.56	81.28	5.08	157.99	78.9940
200	7	203.20	213.36	106.68	5.08	208.79	104.3940
250	7	254.00	264.16	132.08	5.08	259.59	129.7940
300	7	304.80	315.47	157.73	5.33	310.64	155.3210
350	7	361.95	374.14	187.07	6.10	368.55	184.2770
400	7	412.75	426.47	213.23	6.86	420.12	210.0580
450	7	463.55	478.79	239.40	7.62	471.68	235.8390
500	7	514.35	531.11	265.56	8.38	523.24	261.6200
600	7	615.95	635.76	317.88	9.91	626.36	313.1820
750	7	768.35	793.24	396.62	12.45	781.30	390.6520
900	7	920.75	950.21	475.11	14.73	935.99	467.9950
1050	3	1073.15	1090.93	545.47	8.89	1082.55	541.2740
1200	3	1225.55	1245.36	622.68	9.91	1235.96	617.9820
1350	3	1377.95	1400.30	700.15	11.18	1389.63	694.8170
1500	3	1530.35	1554.73	777.37	12.19	1543.05	771.5250
1650	3	1682.75	1709.67	854.84	13.46	1696.72	848.3600
1800	3	1835.15	1864.11	932.05	14.48	1850.14	925.0680

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.

Rev A - June 2001  
 Series Specifications 20HV-D.E6 (20HV-D)

**Table 20HV-D.E6M.2 (Metric)  
 (Series 20HV-D)  
 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	7	1.3	3.8	3.6	1.9	1.9	0.79	0.13	0.92
20	7	2.9	5.1	4.8	4.3	4.2	1.05	0.29	1.34
25	7	5.1	6.3	5.9	8.3	8.0	1.31	0.51	1.82
40	7	11.4	8.9	8.3	22.3	21.2	1.84	1.14	2.98
50	7	20.3	8.9	8.1	35.1	32.4	1.94	2.03	3.97
65	7	31.7	10.9	9.9	64.7	59.5	2.39	3.17	5.55
80	7	45.6	13.0	11.7	107.5	98.5	2.83	4.56	7.39
100	7	81.1	17.0	15.4	242.7	221.5	3.71	8.11	11.82
125	7	126.7	21.1	19.0	460.3	419.0	4.59	12.67	17.26
150	7	182.4	25.1	22.7	779.9	708.6	5.48	18.24	23.72
200	7	324.3	33.2	30.0	1803.5	1634.9	7.25	32.43	39.67
250	7	506.7	41.3	37.3	3470.5	3141.6	9.01	50.67	59.68
300	7	729.7	52.0	47.1	6250.1	5682.4	11.20	72.97	84.17
350	7	1028.9	70.5	64.7	11938.0	10988.0	14.75	102.89	117.65
400	7	1338.0	90.4	83.8	19902.4	18494.4	18.49	133.80	152.29
450	7	1687.7	112.8	105.4	31308.4	29314.8	22.64	168.77	191.40
500	7	2077.8	137.7	129.4	47028.0	44305.4	27.19	207.78	234.97
600	7	2979.8	194.8	184.9	95387.2	90713.8	37.53	297.98	335.51
750	7	4636.7	305.3	293.0	232708.8	223641.8	57.17	463.67	520.84
900	7	6658.5	433.0	418.3	473735.1	458137.2	79.65	665.85	745.50
1050	7	9045.0	302.2	285.1	442304.0	417614.0	59.15	904.50	963.66
1200	7	11796.5	384.5	364.9	733614.6	696847.7	74.09	1179.65	1253.73
1350	7	14912.7	487.7	465.7	1176520.0	1124267.8	92.51	1491.27	1583.78
1500	7	18393.8	590.8	566.4	1757409.5	1685839.9	110.90	1839.38	1950.28
1650	7	22239.7	717.4	690.5	2580104.1	2484961.3	133.19	2223.97	2357.16
1800	7	26450.4	841.3	812.0	3597893.0	3474497.6	155.04	2645.04	2800.09

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.