



## VALVE LUBRICANT 601™ GATE VALVE FILL CHARTS

### VETCO GRAY GATE VALVES

Bore Size (in)	Pressure Rating (psi)	Cavity Volume (cm <sup>3</sup> )	Cavity Fill Weight RS Clare (lb)	Cavity Fill Weight RS Clare (kg)
<b>VETCO GRAY VG 231 VALVE SERIES FILL CHART</b>				
2 1/16	3,000 – 5,000	1,089	3.1	1.42
3 1/16	3,000 – 5,000	2,812	8.1	3.66
2 9/16	3,000 – 5,000	5,126	14.7	6.66
<b>VETCO GRAY VG 300 VALVE SERIES FILL CHART</b>				
2 1/16	5,000	1,115	3.2	1.45
2 1/16	10,000	1,406	4.0	1.83
3 1/16	5,000	3,007	8.6	3.91
3 1/16	10,000	3,589	10.3	4.67
4 1/16	5,000	6,014	17.2	7.82
4 1/16	10,000	7,081	20.3	9.21
5 1/8	5,000	10,330	29.6	13.43
5 1/8	10,000	13,628	39.1	17.72
6 3/8	5,000	19,400	55.6	25.22
6 3/8	10,000	26,675	76.5	34.68

### CAMERON GATE VALVES FILL CHART

Bore Size (in)	Pressure Rating (psi)	Cavity Volume (cm <sup>3</sup> )	Cavity Fill Weight RS Clare (lb)	Cavity Fill Weight RS Clare (kg)
<b>CAMERON FL &amp; FLS FILL CHART</b>				
1 13/16	All	623	1.78	0.81
2 1/16	All	705	2.02	0.92
2 9/16	10,000	1,295	3.71	1.68
2 9/16	15,000	1,524	4.37	1.98
3 1/8	5,000	1,868	5.35	2.43
3 1/16	10,000	1,868	5.35	2.43
3 1/16	15,000	2,540	7.28	3.30
4 1/8	5,000	4,015	11.51	5.22
4 1/16	10,000	3,982	11.41	5.18
5 1/8	5,000	5,113	14.65	6.65
5 1/8	10,000	7,554	21.65	9.82
6 1/8	5,000	9,554	27.38	12.42
6 3/8	5,000	9,554	27.38	12.42



# RS Clare & Co Ltd

Innovation since 1748

Bore Size (in)	Pressure Rating (psi)	Cavity Volume (cm <sup>3</sup> )	Cavity Fill Weight RS Clare (lb)	Cavity Fill Weight RS Clare (kg)
<b>CAMERON F FILL CHART</b>				
1 13/16	All	279	0.80	0.36
2 /16	All	295	0.85	0.38
2 9/16	10,000	410	1.17	0.53
2 9/16	15,000	590	1.69	0.77
3 1/8	10,000	557	1.60	0.72
3 1/8	15,000	934	2.68	1.21
4 1/8	5,000	852	2.44	1.11
4 1/8	10,000	1,065	3.05	1.38
5 1/8	5,000	1,393	3.99	1.81
5 1/8	10,000	2,212	6.34	2.88
6 1/8	All	2,868	8.22	3.73
<b>CAMERON FC FILL CHART</b>				
1 13/16	All	819	2.35	1.07
2 1/16	All	869	2.49	1.13
2 9/16	10,000	1,393	3.99	1.81
2 9/16	15,000	2,212	6.34	2.88
3 1/8	10,000	2,179	6.24	2.83
3 1/8	15,000	3,277	9.39	4.26
4 1/8	5,000	4,424	12.68	5.75
4 1/8	10,000	4,670	13.39	6.07
5 1/8	5,000	7,456	21.37	9.69
5 1/8	10,000	8,521	24.42	11.08
6 1/8	All	10,652	30.53	13.85
6 3/8	All	12,913	37.01	16.79
7 1/16	All	16,961	48.61	22.05

<b>FMC GATE VALVES FILL CHART</b>				
Bore Size (in)	Pressure Rating (psi)	Cavity Volume (cm <sup>3</sup> )	Cavity Fill Weight RS Clare (lb)	Cavity Fill Weight RS Clare (kg)
<b>FMC M120 FILL CHART</b>				
2 1/16	5,000	787	2.25	1.02
2 9/16	5,000	1,131	3.24	1.47
3 1/8	5,000	1,671	4.79	2.17
4 1/16	5,000	2,835	8.12	3.69
5 1/8	5,000	4,244	12.16	5.52
6 3/8	5,000	8,521	24.42	11.08
6 5/8	5,000	8587	24.61	11.16



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Bore Size (in)	Pressure Rating (psi)	Cavity Volume (cm <sup>3</sup> )	Cavity Fill Weight RS Clare (lb)	Cavity Fill Weight RS Clare (kg)
<b>FMC M130 FILL CHART</b>				
1 13/16	10,000	1,245	3.57	1.62
1 13/16	15,000	1,770	5.07	2.30
2 1/16	10,000	1,622	4.65	2.11
2 1/16	15,000	2,425	6.95	3.15
2 9/16	10,000	2,687	7.70	3.49
2 9/16	15,000	4,048	11.60	5.26
3 1/8	10,000	4,130	11.84	5.37
3 1/8	15,000	6,555	18.79	8.52
4 1/16	10,000	8,357	23.95	10.86
4 1/16	15,000	7,276	20.85	9.46
5 1/8	10,000	8,898	25.50	11.57
<b>FMC M101 FILL CHART</b>				
2 1/16	5,000	754	2.16	0.98
2 9/16	5,000	1,295	3.71	1.68
3 1/16	5,000	1,295	3.87	1.68

<b>WEFIC GATE VALVES FILL CHART</b>				
Bore Size (in)	Pressure Rating (psi)	Cavity Volume (cm <sup>3</sup> )	Cavity Fill Weight RS Clare (lb)	Cavity Fill Weight RS Clare (kg)
<b>WEFIC MODEL S FILL CHART</b>				
1 13/16	All	885	2.54	1.15
2 1/16	All	1,150	3.30	1.50
2 9/16	10,000	1,579	4.53	2.05
2 9/16	15,000	1,579	4.53	2.05
3 1/8	5,000	2,448	7.02	3.18
3 1/16	10,000	2,455	7.04	3.19
3 1/16	15,000	3,838	11.00	4.99
4 1/8	5,000	4,956	14.20	6.44
4 1/16	10,000	5,168	14.81	6.72
5 1/8	5,000	8,022	22.99	10.43
5 1/8	10,000	19,167	57.93	24.92
6 3/8	10,000	19,167	54.93	24.92
7 1/16	5,000	21,479	61.56	27.92



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## MCEVOY GATE VALVES FILL CHART

Bore Size (in)	Pressure Rating (psi)	Cavity Volume (cm <sup>3</sup> )	Cavity Fill Weight RS Clare (lb)	Cavity Fill Weight RS Clare (kg)
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### MCEVOY MODEL C SEALANT RESEVOIRS FILL CHART

1 13/16	0.09	0.04	0.18	0.08
2 1/16	0.12	0.05	0.23	0.11
2 9/16	0.13	0.06	0.26	0.12
3 1/16	0.27	0.12	0.54	0.24
4 1/16	0.37	0.17	0.73	0.33
6 1/8	1.76	0.80	3.53	1.60
7 1/8	2.17	0.98	4.34	1.97
8 1/8	2.17	0.98	4.34	1.97

### MCEVOY MODEL C BODY FILL CHART

1 13/16		1.95	0.88
2 1/16		2.60	1.18
2 9/16		3.25	1.47
3 1/16		3.90	1.77
4 1/16		6.50	2.95
6"		13.00	5.90