

# MEGR-1627 High Flow Gas Regulator

MEGR-1627 Flow Capacities of Natural Gas (0.6 S.G.) in SCFH<sup>1</sup> – For LPG multiply by .625 = SCFH/LPG

Outlet Pressure Range	Outlet Pressure Setting		Inlet Pressure		3/4" Body Size						1" Body Size					
					Port Diameter, inches						Port Diameter, inches					
	PSIG	BAR	PSIG	BAR	3/32	1/8	3/16	1/4	3/8	1/2	3/32	1/8	3/16	1/4	3/8	1/2
5 to 20 psig <sup>2</sup> (0.34 to 1.4 BAR)	5 <sup>3</sup>	0.34	10	0.69	170	320	700	1060	1540	1900	170	330	710	1100	1900	2500
			15	1.0	240	330	810	1300	2150	3350	240	390	890	1600	2500	3350
			20	1.4	290	460	1140	1800	3050	4350	290	500	1160	2060	3400	4450
			30	2.1	380	610	1530	2490	3880	6850	380	670	1560	2800	4750	6900
			60	4.1	640	1170	2550	4240	6270	7370	640	1170	2600	4710	8140	13,700
			75	5.2	770	1410	3020	5100	6620	7700	770	1410	3150	5710	9790	14,500
	100	6.9	990	1800	3800	5980	7440	7900	990	1800	4070	7310	12,500	16,000		
	15	1.03	210	320	800	1290	2100	3300	210	375	880	1590	2480	3300		
	20	1.4	280	455	1130	1790	3000	4300	280	490	1150	2050	3380	4410		
	30	2.1	380	610	1530	2480	3860	6830	380	670	1560	2800	4720	6840		
	60	4.1	640	1170	2550	4240	6270	7370	640	1170	2600	4710	8140	13,700		
	75	5.2	770	1410	3020	5100	6620	7700	770	1410	3150	5710	9790	14,500		
	100	6.9	990	1800	3800	5980	7440	7900	990	1800	4070	7310	12,500	16,000		
	150	10.3	1420	2580	5700	7130	8180	8200	1420	2580	5850	10,500	17,000	18,000		
	200	13.8	1850	3370	6970	7250	8200	8300	1850	3370	7630	13,700	18,000	18,500		
	300	20.7	2700	4910	8000	8050	8250		2700	4910	11,200	19,800	20,000			
	500	34.5	4010	8090	8060	8100			4400	8090	15,700	20,000				
	750	51.7	4400	8930	8950				5400	12,000	18,000					
	1000	69.0	4450	10,300					5800	14,000						
	1250	86.2	4540						6300							
	1500	103	4880						6600							
	1750	121	5230						6800							
	2000	138	5900						7600							
	30	2.1	350	620	1400	2490	4360	6290	350	620	1450	2580	4360	6290		
	50	3.4	550	1000	2280	4010	7870	8500	550	1000	2280	4090	7870	14,100		
	60	4.1	640	1170	2640	4680	8340	8940	640	1170	2640	4750	9690	14,500		
	100	6.9	990	1800	3980	7220	11,500	12,600	990	1800	4070	7310	13,900	23,300		
	150	10.3	1420	2580	5850	10,400	12,100	13,100	1420	2580	5850	10,500	17,700	34,200		
	200	13.8	1850	3370	7340	12,000	13,200	13,700	1850	3370	7630	13,700	26,600	39,100		
	300	20.7	2700	4910	11,200	13,000	15,600		2700	4910	11,200	20,100	37,000			
500	34.5	4400	8090	18,300	15,100			4400	8090	18,300	32,900					
750	51.7	6600	12,000	14,200				6600	12,000	23,600						
1000	69.0	7300	14,600					8900	16,000							
1250	86.2	7500						10,000								
1500	103	7800						10,400								
1750	121	8400						12,000								
2000	138	8600						14,000								
15 to 40	40	2.8	60	4.1	610	1090	2530	4350	8140	9420	610	1090	2530	4510	9290	9420

PSIG (1.0 to 2.8 BAR)			75	5.2	760	1370	3080	5510	10,300	13,600	760	1370	3080	5640	10,800	16,500
			100	6.9	990	1790	4070	7220	13,200	15,300	990	1790	4070	7310	14,700	21,900
			150	10.3	1420	2580	5850	10,400	17,400	18,200	1420	2580	5850	10,500	20,500	34,500
			200	13.8	1850	3370	7630	13,500	18,000	18,500	1850	3370	7630	13,700	27,100	46,400
			300	20.7	2700	4910	11,200	18,500	20,000	20,700	2700	4910	11,200	20,100	40,100	67,100
			500	34.5	4400	8090	18,300	24,000	27,000		4400	8090	18,300	32,900	63,900	
			750	51.7	6600	12,000	23,000	24,200			6600	12,000	27,200	39,400		
			1000	69.0	8700	16,000	24,400				8700	16,000	36,100			
			1250	86.2	11,000	18,000					11,000	19,000				
			1500	103	12,000	21,000					13,000	22,000				
			1750	121	13,000						15,000					
2000	138	14,000						17,000								
35 to 80 PSIG (2.4 to 5.5 BAR)	60	4.1	75	5.2	700	1230	2760	4750	8620	15,200	700	1230	2760	4880	8630	16,100
			100	6.9	970	1740	4010	6990	12,800	17,300	970	1740	4010	7000	13,000	19,300
			150	10.3	1420	2580	5850	10,300	18,600	23,000	1420	2580	5850	10,500	18,900	32,800
			200	13.8	1850	3370	7630	13,500	21,600	27,400	1850	3370	7630	13,700	24,000	42,200
			300	20.7	2700	4910	11,200	19,800	26,100	30,100	2700	4910	11,200	20,100	32,500	69,100
			500	34.5	4400	8090	18,300	28,100	28,900	33,400	4400	8090	18,300	32,900	64,000	94,300
			750	51.8	6600	12,000	26,300	30,000	37,000	45,000	6600	12,000	27,200	43,380	66,000	130,000
			1000	69.0	8700	16,000	30,000	31,200	37,400		8700	16,000	36,100	50,300	67,700	
			1250	86.2	11,000	19,000	31,600	34,000			11,000	19,000	45,000	57,000		
			1500	103	13,000	22,000	30,400	36,000			13,000	22,000	54,000	63,000		
	1750	121	15,000	25,000	34,000				15,000	25,000	63,000					
	2000	138	17,000	28,000					17,000	28,000						
	80	5.5	100	5.2	900	1600	3750	6490	12,200	17,300	900	1600	3750	6650	12,200	18,600
			150	10.3	1410	2580	5850	10,200	19,600	25,700	1410	2580	5850	10,500	21,100	33,600
			200	13.8	1850	3370	7630	13,500	25,400	29,300	1850	3370	7630	13,700	28,400	44,100
			300	20.7	2700	4910	11,200	19,800	32,700	33,500	2700	4910	11,200	20,100	43,300	75,400
			500	34.5	4400	8090	18,300	31,900	36,000	36,700	4400	8090	18,300	32,900	71,600	110,000
			750	51.8	6600	12,000	27,200	35,000	44,000	46,000	6600	12,000	27,200	48,900	105,500	135,000
			1000	69.0	8700	16,000	36,100	38,000	56,200		8700	16,000	36,100	64,900	118,000	
1250			86.2	11,000	19,000	37,000	40,000			11,000	19,000	45,000	80,000			
1500			103	13,000	22,000	38,000	44,000			13,000	22,000	54,000	96,000			
1750			121	15,000	25,000	42,000				15,000	25,000	63,000				
2000	138	17,000	28,000					17,000	28,000							

1. Capacity is based on 20 percent droop unless otherwise noted below.
2. For pressure setting under 10 PSIG (0.69 BAR) limit the input pressure to 100 PSIG (6.9 BAR) to obtain the set point.
3. For 5 PSIG (0.34 BAR) pressure set point, the droop is 2 PSIG (0.14 BAR)

MEGR-1627 Flow Capacities of Natural Gas (0.6 S.G.) in SCFH<sup>1</sup> – For LPG multiply by .625 = SCFH/LPG

Outlet Pressure Range	Outlet Pressure Setting		Inlet Pressure		3/4" Body Size						1" Body Size					
	PSIG	BAR	PSIG	BAR	Port Diameter, inches						Port Diameter, inches					
					3/32	1/8	3/16	1/4	3/8	1/2	3/32	1/8	3/16	1/4	3/8	1/2
70 to 150 PSIG (4.8 to 10.3 BAR)	100	6.9	150	10.3	1170	2510	5540	8710	16,000	20,300	1170	2510	5540	8710	16,000	24,000
			200	13.8	1850	3370	7630	12,000	21,300	25,700	1850	3370	7630	12,000	21,300	34,100
			300	20.7	2700	4910	11,200	19,400	30,000	31,700	2700	4910	11,200	19,400	30,100	53,200
			500	34.5	4400	8090	18,300	31,800	39,000	39,200	4400	8090	18,300	31,800	66,500	83,900
			750	51.8	6600	12,000	27,200	39,000	39,200	45,900	6600	12,000	27,200	47,300	95,300	117,000
			1000	69.0	8700	16,000	36,100	40,000	40,500	47,000	8700	16,000	36,100	59,700	100,000	120,000
			1250	86.2	11,000	19,000	39,000	40,500	41,000		11,000	19,000	45,000	72,000	114,000	
			1500	103	13,000	22,000	43,000	44,000			13,000	22,000	54,000	86,000		
			1750	121	15,000	25,000	45,000	47,000			15,000	25,000	63,000	95,000		
			2000	138	17,000	28,000	46,000				17,000	28,000	71,000			
	125	8.6	150	10.3	1250	2340	5340	9130	15,700	20,800	1250	2340	5340	9470	15,700	20,800
			200	13.8	1830	3320	7550	13,160	22,500	28,600	1830	3320	7550	13,400	28,100	32,800
			300	20.7	2700	4910	11,200	19,800	32,700	38,000	2700	4910	11,200	20,100	36,300	52,600
			500	34.5	4400	8090	18,300	32,500	43,800	51,700	4400	8090	18,300	32,900	70,800	109,000
			750	51.8	6600	12,000	27,200	48,300	49,900	71,400	6600	12,000	27,200	48,900	104,000	158,000
			1000	69.0	8700	16,000	36,100	50,000	52,900	72,000	8700	16,000	36,100	64,800	138,000	160,000
			1250	86.2	11,000	19,000	45,000	53,000	58,000		11,000	19,000	45,000	80,000	145,000	
			1500	10.	13,000	22,000	51,000	56,000			13,000	22,000	54,000	96,000		
			1750	121	15,000	25,000	52,000	60,000			15,000	25,000	63,000	112,000		
			2000	138	17,000	28,000	53,000				17,000	28,000	71,000			
	150	10.3	200	13.8	1760	3200	7290	12,500	21,400	30,600	1760	3200	7290	12,900	21,400	33,600
			300	20.7	2700	4910	11,200	17,200	34,700	46,000	2700	4910	11,200	17,200	40,100	55,900
			500	34.5	4400	8090	18,300	32,500	48,900	59,700	4400	8090	18,300	32,900	70,300	111,000
			750	51.8	6600	12,000	27,200	48,300	59,000	72,000	6600	12,000	27,200	48,900	104,000	160,000
			1000	69.0	8700	16,000	36,100	64,100	81,100	85,000	8700	16,000	36,100	64,800	138,000	162,000
			1250	86.2	11,000	19,000	45,000	68,000	90,000		11,000	19,000	45,000	80,000	150,000	
			1500	103	13,000	22,000	54,000	72,000			13,000	22,000	54,000	96,000		
			1750	121	15,000	25,000	63,000	77,000			15,000	25,000	63,000	112,000		
2000			138	17,000	28,000	71,000				17,000	28,000	71,000				

Outlet Pressure Range	Outlet Pressure Setting		Inlet Pressure		1627 – 2" Body Size					1627M – 2" Body Size						
					Port Diameter, inches					Port Diameter, inches						
	PSIG	BAR	PSIG	BAR	3/32	1/8	3/16	1/4	3/8	1/2	3/32	1/8	3/16	1/4	3/8	1/2
5 to 20 psig <sup>2</sup> (0.34 to 1.4 BAR)	5 <sup>3</sup>	0.34	10	0.69	170	330	710	1080	1700	2400	170	330	710	1080	1700	2400
			15	1.0	240	390	890	1250	1900	2700	240	390	890	1250	1900	2700
			20	1.4	290	500	1160	1900	2650	3900	290	500	1160	1900	2650	3900
			30	2.1	380	670	1560	2800	3680	6500	380	670	1560	2800	3680	6500
			60	4.1	640	1170	2600	4750	7250	17,800	640	1170	2600	4750	7250	15,000
			75	5.2	770	1410	3150	5700	8060	22,400	770	1410	3150	5700	8060	17,900
	100	6.9	990	1790	4070	7310	16,200	28,700	990	1790	4070	7310	14,600	23,000		
	10	0.69	15	1.03	210	375	880	1220	1860	2670	210	375	880	1220	1860	2670
			20	1.4	280	490	1150	1880	2610	3830	280	490	1150	1880	2610	3830
			30	2.1	380	670	1560	2760	3640	6460	380	670	1560	2760	3640	6460
			60	4.1	640	1170	2600	4750	7250	17,800	640	1170	2600	4750	7250	15,000
			75	5.2	770	1410	3150	5700	8060	22,400	770	1410	3150	5700	8060	17,900
			100	6.9	990	1790	4070	7310	16,200	28,700	990	1790	4070	7310	14,600	23,000
			150	10.3	1420	2580	5850	10,500	23,300	25,900 <sup>5</sup>	1420	2580	5850	10,500	21,000	33,000
			200	13.8	1850	3370	7630	13,700	22,700 <sup>5</sup>	24,000 <sup>5</sup>	1850	3370	7630	13,700	27,300	43,000
			300	20.7	2700	4910	11,200	10,300 <sup>5</sup>	12,800 <sup>5</sup>		2700	4910	11,200	20,100	40,100	
			500	34.5	4400	8090	18,300	21,000 <sup>5</sup>			4400	8090	18,300	32,900		
			750	51.7	6600	12,000	27,200				6600	12,000	27,200			
			1000	69.0	8700	16,000					8700	16,000				
			1250	86.2	11,000						11,000					
			1500	103	13,000						13,000					
	1750	121	15,000						15,000							
	2000	138	17,000						17,000							
	20	1.4	30	2.1	350	620	1450	2350	4300	6110	350	620	1450	2480	4300	6110
			50	3.4	550	1000	2280	4040	7100	12,800	550	1000	2280	4040	7100	12,800
			60	4.1	640	1170	2640	4750	8400	15,700	640	1170	2640	4750	8400	15,000
			100	6.9	990	1800	4070	7310	16,200	28,700	990	1800	4070	7310	14,600	23,000
			150	10.3	1420	2580	5850	10,500	23,300	29,000 <sup>5</sup>	1420	2580	5850	10,500	21,000	33,000
			200	13.8	1850	3370	7630	13,700	24,000 <sup>5</sup>	33,000 <sup>5</sup>	1850	3370	7630	13,700	27,300	43,000
			300	20.7	2700	4910	11,200	20,100	19,600 <sup>5</sup>		2700	4910	11,200	20,100	40,100	
500			34.5	4400	8090	18,300	32,900			4400	8090	18,300	32,900			
750			51.7	6600	12,000	27,200				6600	12,000	27,200				
1000			69.0	8700	16,000					8700	16,000					
1250			86.2	11,000						11,000						
1500			103	13,000						13,000						
1750			121	15,000						15,000						
2000			138	17,000						17,000						

- Capacity is based on 20 percent droop unless otherwise noted below.
- For pressure setting under 10 PSIG (0.69 BAR) limit the input pressure to 100 PSIG (6.9 BAR) to obtain the set point.
- For 5 PSIG (0.34 BAR) pressure set point, the droop is 2 PSIG (0.14 BAR)
- For 10 PSIG (0.69 BAR) pressure set point, the droop is 3 PSIG (0.21 BAR)
- Capacities are based on 25 percent boost if setting is less than 12 PSIG (0.8 BAR), 3 PSIG (0.2 BAR) boost if setting is from 12 to 60 PSIG (0.2 to 4 BAR), and 5 percent boost if setting is greater than 60 PSIG (4 BAR).

Outlet Pressure Range	Outlet Pressure Setting		Inlet Pressure		1627 – 2" Body Size						1627M – 2" Body Size					
					Port Diameter, inches						Port Diameter, inches					
	PSIG	BAR	PSIG	BAR	3/32	1/8	3/16	1/4	3/8	1/2	3/32	1/8	3/16	1/4	3/8	1/2
15 to 40 PSIG (1.0 to 2.8 BAR)	40	2.8	60	4.1	610	1090	2530	4370	8680	13,300	610	1090	2530	4370	8680	13,300
			75	5.2	760	1370	3080	5540	11,900	19,300	760	1370	3080	5540	10,700	19,300
			100	6.9	990	1800	4070	7310	16,200	25,400	990	1800	4070	7310	14,600	25,400
			150	10.3	1420	2580	5850	10,500	23,300	41,300	1420	2580	5850	10,500	21,000	37,000
			200	13.8	1850	3370	7630	13,700	30,400	53,900	1850	3370	7630	13,700	27,300	48,000
			300	20.7	2700	4910	11,200	20,100	44,600	46,000 <sup>5</sup>	2700	4910	11,200	20,100	40,100	71,000
			500	34.5	4400	8090	18,300	32,900	22,000 <sup>5</sup>		4400	8090	18,300	32,900	65,000	
			750	51.7	6600	12,000	27,200	28,000 <sup>5</sup>			6600	12,000	27,200	48,900		
			1000	69.0	8700	16,000	36,100				8700	16,000	36,100			
			1250	86.2	11,000	19,000					11,000	19,000				
			1500	103	13,000	22,000					13,000	22,000				
1750		15,000						15,000								
2000		17,000						17,000								
35 to 80 PSIG (2.4 to 5.5 BAR)	60	4.1	75	5.2	700	1260	2760	4900	9000	12,300	700	1230	2760	4900	9000	12,300
			100	6.9	970	1740	4010	7000	15,000	20,400	970	1740	4010	7000	15,000	20,400
			150	10.3	1420	2580	5850	10,500	23,300	35,200	1420	2580	5850	10,500	23,300	35,200
			200	13.8	1850	3370	7630	13,700	30,400	53,900	1850	3370	7630	13,700	30,400	48,500
			300	20.7	2700	4910	11,200	20,100	44,600	79,000 <sup>5</sup>	2700	4910	11,200	20,100	44,600	71,000
			500	34.5	4400	8090	18,300	32,900	73,000 <sup>5</sup>	38,800 <sup>5</sup>	4400	8090	18,300	32,900	73,000	116,000
			750	51.8	6600	12,000	27,200	48,900 <sup>5</sup>	53,000 <sup>5</sup>	32,000	6600	12,000	27,200	48,900	108,000	172,000
			1000	69.0	8700	16,000	36,100	43,000 <sup>5</sup>	52,000		8700	16,000	36,100	65,000	144,000	
			1250	86.2	11,000	19,000	45,000	70,000 <sup>5</sup>			11,000	19,000	45,000	81,000		
			1500	103	13,000	22,000	54,000 <sup>5</sup>	43,000			13,000	22,000	54,000	97,000		
			1750	121	15,000	25,000	26,000				15,000	25,000	63,000			
	2000	138	17,000	28,000					17,000	28,000						
	80	5.5	100	5.2	900	1630	3750	6400	12,000	20,400	900	1630	3750	6400	12,800	20,400
			150	10.3	1410	2580	5850	10,500	23,300	41,300	1410	2580	5850	10,500	23,300	37,200
			200	13.8	1850	3370	7630	13,700	30,400	53,900	1850	3370	7630	13,700	30,400	48,500
			300	20.7	2700	4910	11,200	20,100	44,600	79,000 <sup>5</sup>	2700	4910	11,200	20,100	44,600	71,000
			500	34.5	4400	8090	18,300	32,900	73,000 <sup>5</sup>	48,000 <sup>5</sup>	4400	8090	18,300	32,900	73,000	116,000
			750	51.8	6600	12,000	27,200	48,900	87,000 <sup>5</sup>	44,000	6600	12,000	27,200	48,900	108,000	172,000
			1000	69.0	8700	16,000	36,100	65,000 <sup>5</sup>	63,000		8700	16,000	36,100	65,000	144,000	
1250			86.2	11,000	19,000	45,000	63,000 <sup>5</sup>			11,000	19,000	45,000	81,000			

			1500	103	13,000	22,000	54,000	86,000			13,000	22,000	54,000	97,000			
			1750	121	15,000	25,000	63,000				15,000	25,000	63,000				
			2000	138	17,000	28,000					17,000	28,000					
70 to 150 PSIG (4.8 to 10.3 BAR)	100	6.9	150	10.3	1170	2510	5540	8600	16,000	22,000	1170	2510	5540	8600	16,000	22,000	
			200	13.8	1850	3370	7630	13,700	22,000	33,000	1850	3370	7630	13,700	22,000	33,000	
			300	20.7	2700	4910	11,200	20,100	35,000	65,300	2700	4910	11,200	20,100	35,000	59,000	
			500	34.5	4400	8090	18,300	32,900	73,000	129,000	4400	8090	18,300	32,900	73,000	116,000	
			750	51.8	6600	12,000	27,200	48,900	108,000	54,000 <sup>5</sup>	6600	12,000	27,200	48,900	108,000	172,000	
			1000	69.0	8700	16,000	36,100	64,800	82,000 <sup>5</sup>		8700	16,000	36,100	64,800	144,000		
			1250	86.2	11,000	19,000	45,000	80,000	110,000 <sup>5</sup>		11,000	19,000	45,000	80,000	179,000		
			1500	103	13,000	22,000	54,000	96,000			13,000	22,000	54,000	96,000			
			1750	121	15,000	25,000	63,000	112,000			15,000	25,000	63,000	112,000			
	2000	138	17,000	28,000	71,000				17,000	28,000	71,000						
		125	8.6	150	10.3	1250	2340	5340	8600	16,000	24,000	1250	2340	5340	8600	16,000	24,000
	200			13.8	1830	3320	7550	13,000	24,000	36,000	1830	3320	7550	13,000	24,000	36,000	
	300			20.7	2700	4910	11,200	20,100	39,000	65,300	2700	4910	11,200	20,100	39,000	59,000	
	500			34.5	4400	8090	18,300	32,900	73,000	129,000	4400	8090	18,300	32,900	73,000	116,000	
	750			51.8	6600	12,000	27,200	48,900	108,000	59,000 <sup>5</sup>	6600	12,000	27,200	48,900	108,000	172,000	
	1000			69.0	8700	16,000	36,100	64,800	58,000 <sup>5</sup>		8700	16,000	36,100	64,800	144,000		
	1250			86.2	11,000	19,000	45,000	80,000	75,000 <sup>5</sup>		11,000	19,000	45,000	80,000	179,000		
	1500			103	13,000	22,000	54,000	96,000			13,000	22,000	54,000	96,000			
	1750			121	15,000	25,000	63,000	112,000			15,000	25,000	63,000	112,000			
	2000	138	17,000	28,000	71,000				17,000	28,000	71,000						
		150	10.3	200	13.8	1760	3200	7290	13,000	24,000	38,000	1760	3200	7290	13,000	24,000	38,000
	300			20.7	2700	4910	11,200	20,100	44,600	64,200	2700	4910	11,200	20,100	44,600	58,000	
	500			34.5	4400	8090	18,300	32,900	73,000	129,000	4400	8090	18,300	32,900	73,000	116,000	
	750			51.8	6600	12,000	27,200	48,900	108,000	62,000 <sup>5</sup>	6600	12,000	27,200	48,900	108,000	172,000	
	1000			69.0	8700	16,000	36,100	64,800	144,000		8700	16,000	36,100	64,800	144,000		
	1250			86.2	11,000	19,000	45,000	80,000	81,000 <sup>5</sup>		11,000	19,000	45,000	80,000	179,000		
	1500			103	13,000	22,000	54,000	96,000			13,000	22,000	54,000	96,000			
1750	121			15,000	25,000	63,000	112,000			15,000	25,000	63,000	112,000				
2000	138			17,000	28,000	71,000				17,000	28,000	71,000					

1. Capacity is based on 20 percent droop unless otherwise noted below.

5. Capacities are based on 25 percent boost if setting is less than 12 PSIG (0.8 BAR), 3 PSIG (0.2 BAR) boost if setting is from 12 to 60 PSIG (0.2 to 4 BAR), and 5 percent boost if setting is greater than 60 PSIG (4 BAR).

MEGR-1627 Flow Capacities of Natural Gas (0.6 S.G.) in SCFH<sup>1</sup> – For LPG multiply by .625 = SCFH/LPG

Outlet Pressure Range	Outlet Pressure Setting		Inlet Pressure		1627H or HM – 3/4" Body Size						1627H or HM – 1" Body Size						
	PSIG	BAR	PSIG	BAR	Port Diameter, inches						Port Diameter, inches						
					3/32	1/8	3/16	1/4	3/8	1/2	3/32	1/8	3/16	1/4	3/8	1/2	
140 to 250 PSIG (9.7 to 17.2 BAR)	150	10.3	200	13.8	1760 <sup>6</sup>	3200 <sup>4</sup>	7290	11,500	21,600	31,000	1760 <sup>6</sup>	3200 <sup>4</sup>	7290	11,500	21,600	31,000	
			250	17.2	2260 <sup>6</sup>	4100 <sup>4</sup>	9200	15,400	28,600	40,000	2260 <sup>6</sup>	4100 <sup>4</sup>	9200	15,400	28,600	40,000	
			300	20.7	2700	4910	11,200	19,300	31,000	46,000	2700	4910	11,200	19,300	31,000	46,000	
			400	27.6	3600	6500	14,800	24,700	40,000	50,000	3600	6500	14,800	25,000	40,000	50,000	
			500	34.5	4400	8090	18,300	29,700	51,000		4400	8090	18,300	32,000	51,000		
			750	51.7	6600	12,000	27,200	43,000			6600	12,000	27,200	46,000			
			1000	69.0	8700	16,000	36,100	57,000			8700	16,000	36,100	60,000			
			1250	86.2	11,000	19,000	45,000				11,000	19,000	45,000				
			1500	103	13,000	22,000	54,000				13,000	22,000	54,000				
			1750	121	15,000	25,000	63,000				15,000	25,000	63,000				
	2000	138	17,000	28,000					17,000	28,000							
	200	13.8	250	17.2	2160 <sup>6</sup>	3850 <sup>4</sup>	8400	15,000	31,000	41,000	2160 <sup>6</sup>	3850 <sup>4</sup>	8400	15,000	31,000	41,000	
			300	20.7	2700 <sup>6</sup>	4910 <sup>4</sup>	11,200	19,500	36,000	52,000	2700 <sup>6</sup>	4910 <sup>4</sup>	11,200	19,500	36,000	52,000	
			400	27.6	3600	6500	14,800	25,500	52,000	68,000	3600	6500	14,800	26,500	52,000	68,000	
			500	34.5	4400	8090	18,300	31,000	61,000		4400	8090	18,300	33,000	61,000		
			750	51.7	6600	12,000	27,200	45,500			6600	12,000	27,200	49,000			
			1000	69.0	8700	16,000	36,100	60,000			8700	16,000	36,100	65,000			
			1250	86.2	11,000	19,000	45,000				11,000	19,000	45,000				
			1500	103	13,000	22,000	54,000				13,000	22,000	54,000				
	250	17.2	300	20.7	2500 <sup>6</sup>	4500 <sup>4</sup>	9900	18,500	37,000	52,000	2500 <sup>6</sup>	4500 <sup>4</sup>	9900	18,500	37,000	75,000	
			400	27.6	3600 <sup>6</sup>	6400 <sup>4</sup>	14,300	26,000	55,000	74,000	3600 <sup>6</sup>	6400 <sup>4</sup>	14,300	26,000	55,000	81,000	
			500	34.5	4400	8090	18,300	33,000	64,000	87,000	4400	8090	18,300	33,000	64,000	95,000	
			750	21.7	6600	12,000	27,200	49,000	93,000		6600	12,000	27,200	49,000	102,000		
			1000	69.0	8700	16,000	36,100	65,000			8700	16,000	36,100	65,000			
			1250	86.2	11,000	19,000	45,000	81,000			11,000	19,000	45,000	81,000			
			1500	103	13,000	22,000	54,000				13,000	22,000	54,000				
			1750	121	15,000	25,000	63,000				15,000	25,000	63,000				
	2000	138	17,000	28,000	71,000				17,000	28,000	71,000						
	240 to 500	250	17.2	300	20.7	2500 <sup>6</sup>	4500 <sup>4</sup>	9300	14,000	25,000	37,000	2500 <sup>6</sup>	4500 <sup>4</sup>	9300	14,000	25,000	37,000

PSIG (16.5 to 34.5 BAR)			400	27.6	3600 <sup>6</sup>	6400 <sup>4</sup>	14,300	21,400	36,000	49,000	3600 <sup>6</sup>	6400 <sup>4</sup>	14,300	21,400	36,000	49,000		
			500	34.6	4400	8090	18,300	26,300	42,000	62,000	4400	8090	18,300	26,300	42,000	62,000		
			750	51.7	6600	12,000	27,200	37,100	57,000		6600	12,000	27,200	37,100	57,000			
			1000	69.0	8700	16,000	36,100	47,400			8700	16,000	36,100	47,400				
			1250	86.2	11,000	19,000	45,000	57,000			11,000	19,000	45,000	57,000				
			1500	103	13,000	22,000	54,000				13,000	22,000	54,000					
			1750	121	15,000	25,000	63,000				15,000	25,000	63,000					
			2000	138	17,000	28,000	71,000				17,000	28,000	71,000					
			300	20.7	350	24.1	2900 <sup>6</sup>	5150 <sup>4</sup>	11,300	18,400	31,000	45,000	2900 <sup>6</sup>	5150 <sup>4</sup>	11,300	18,400	31,000	45,000
					400	27.6	3500 <sup>6</sup>	6200 <sup>4</sup>	13,700	23,400	40,000	52,000	3500 <sup>6</sup>	6200 <sup>4</sup>	13,700	23,400	40,000	52,000
					500	34.5	4400	8090	18,300	32,000	53,000	67,000	4400	8090	18,300	32,000	53,000	67,000
					750	51.7	6600	12,000	27,200	48,000	80,000		6600	12,000	27,200	48,000	80,000	
					1000	69.0	8700	16,000	36,100	62,000			8700	16,000	36,100	62,000		
					1250	86.2	11,000	19,000	45,000	79,000			11,000	19,000	45,000	79,000		
1500	103	13,000			22,000	54,000				13,000	22,000	54,000						
1750	121	15,000			25,000	63,000				15,000	25,000	63,000						
2000	138	17,000	28,000	71,000				17,000	28,000	71,000								
240 to 500 PSIG (16.5 to 34.5 BAR)	400	27.6	450	31.0	3600 <sup>6</sup>	6400 <sup>4</sup>	14,000	25,000	47,000	67,000	3600 <sup>6</sup>	6400 <sup>4</sup>	14,000	25,000	47,000	67,000		
			500	34.6	4400 <sup>6</sup>	8090 <sup>4</sup>	18,300	32,000	54,000	77,000	4400 <sup>6</sup>	8090 <sup>4</sup>	18,300	32,000	54,000	77,000		
			750	51.7	6600	12,000	27,200	49,000	91,000		6600	12,000	27,200	49,000	91,000			
			1000	69.0	8700	16,000	36,100	65,000			8700	16,000	36,100	65,000				
			1250	86.2	11,000	19,000	45,000	81,000			11,000	19,000	45,000	81,000				
			1500	103	13,000	22,000	54,000				13,000	22,000	54,000					
			1750	121	15,000	25,000	63,000				15,000	25,000	63,000					
			2000	138	17,000	28,000	71,000				17,000	28,000	71,000					
	500	34.5	550	37.9	4300 <sup>6</sup>	7700 <sup>4</sup>	16,800	33,000	62,000	90,000	4300 <sup>6</sup>	7700 <sup>4</sup>	16,800	33,000	62,000	90,000		
			600	47.4	4900 <sup>6</sup>	8800 <sup>4</sup>	19,400	37,000	70,000	104,000	4900 <sup>6</sup>	8800 <sup>4</sup>	19,400	37,000	70,000	104,000		
			750	51.7	6600	12,000	27,200	49,000	88,000	137,000	6600	12,000	27,200	49,000	88,000	140,000		
			1000	69.0	8700	16,000	36,100	65,000	130,000		8700	16,000	36,100	65,000	130,000			
			1250	86.2	11,000	19,000	45,000	81,000			11,000	19,000	45,000	81,000				
			1500	103	13,000	22,000	54,000	97,000			13,000	22,000	54,000	97,000				
1750	121	15,000	25,000	63,000				15,000	25,000	63,000								
2000	138	17,000	28,000	71,000				17,000	28,000	71,000								

1. Capacity is based on 20 percent droop unless otherwise noted below.

4. Outlet pressure setting may shift ±15 PSIG.

6. Small orifices and low pressure drops may cause the set point to shift +15 psig (1.3 BAR).

MEGR-1627 Flow Capacities of Natural Gas (0.6 S.G.) in SCFH<sup>1</sup> – For LPG multiply by .625 = SCFH/LPG

Outlet Pressure Range	Outlet Pressure Setting		Inlet Pressure		1627H or HM – 2" Body Size					
					Port Diameter, inches					
	PSIG	BAR	PSIG	BAR	3/32	1/8	3/16	1/4	3/8	1/2
140 to 250 PSIG (9.7 to 17.2 BAR)	150	10.3	200	13.8	1760 <sup>6</sup>	3200 <sup>4</sup>	7290	13,700	24,100	31,000
			250	17.2	2260 <sup>6</sup>	4100 <sup>4</sup>	9200	16,100	28,600	40,000
			300	20.7	2700	4910	11,200	19,300	31,000	46,000
			400	27.6	3600	6500	14,800	25,000	40,000	50,000
			500	34.5	4400	8090	18,300	32,000		
			750	51.7	6600	12,000	27,200	48,000		
			1000	69.0	8700	16,000	36,100	65,000		
			1250	86.2	11,000	19,000	45,000			
			1500	103	13,000	22,000	54,000			
			1750	121	15,000	25,000	63,000			
	2000	138	17,000	28,000						
	200	13.8	250	17.2	2160 <sup>6</sup>	3850 <sup>4</sup>	8400	16,100	33,000	41,000
			300	20.7	2700 <sup>6</sup>	4910 <sup>4</sup>	11,200	20,100	36,000	52,000
			400	27.6	3600	6500	14,800	26,500	52,000	68,000
			500	34.5	4400	8090	18,300	33,000	61,000	
			750	51.7	6600	12,000	27,200	49,000		
			1000	69.0	8700	16,000	36,100	65,000		
			1250	86.2	11,000	19,000	45,000			
			1500	103	13,000	22,000	54,000			
	250	17.2	300	20.7	2500 <sup>6</sup>	4500 <sup>4</sup>	9900	18,500	37,000	75,000
			400	27.6	3600 <sup>6</sup>	6400 <sup>4</sup>	14,300	26,000	55,000	81,000
			500	34.5	4400	8090	18,300	33,000	64,000	95,000
			750	21.7	6600	12,000	27,200	49,000	102,000	
			1000	69.0	8700	16,000	36,100	65,000		
			1250	86.2	11,000	19,000	45,000	81,000		
			1500	103	13,000	22,000	54,000			
			1750	121	15,000	25,000	63,000			
	240 to 500 PSIG (16.5 to 34.5 BAR)	250	17.2	300	20.7	2500 <sup>6</sup>	4500 <sup>4</sup>	9300	14,000	25,000
400				27.6	3600 <sup>6</sup>	6400 <sup>4</sup>	14,300	21,400	36,000	49,000
500				34.6	4400	8090	18,300	26,300	42,000	62,000
750				51.7	6600	12,000	27,200	37,100	57,000	
1000				69.0	8700	16,000	36,100	47,400		
1250				86.2	11,000	19,000	45,000	57,000		
1500				103	13,000	22,000	54,000			
1750				121	15,000	25,000	63,000			
2000	138	17,000	28,000	71,000						

	300	20.7	350	24.1	2900 <sup>6</sup>	5150 <sup>4</sup>	11,300	18,400	31,000	45,000	
			400	27.6	3500 <sup>6</sup>	6200 <sup>4</sup>	13,700	23,400	40,000	52,000	
			500	34.5	4400	8090	18,300	32,000	53,000	67,000	
			750	51.7	6600	12,000	27,200	48,000	80,000		
			1000	69.0	8700	16,000	36,100	62,000			
			1250	86.2	11,000	19,000	45,000	79,000			
			1500	103	13,000	22,000	54,000				
			1750	121	15,000	25,000	63,000				
			2000	138	17,000	28,000	71,000				
240 to 500 PSIG (16.5 to 34.5 BAR)	400	27.6	450	31.0	3600 <sup>6</sup>	6400 <sup>4</sup>	14,000	25,000	47,000	67,000	
			500	34.6	4400 <sup>6</sup>	8090 <sup>4</sup>	18,300	32,000	54,000	77,000	
			750	51.7	6600	12,000	27,200	49,000	91,000		
			1000	69.0	8700	16,000	36,100	65,000			
			1250	86.2	11,000	19,000	45,000	81,000			
			1500	103	13,000	22,000	54,000				
			1750	121	15,000	25,000	63,000				
				2000	138	17,000	28,000	71,000			
		500	34.5	550	37.9	4300 <sup>6</sup>	7700 <sup>4</sup>	16,800	33,000	62,000	90,000
	600			47.4	4900 <sup>6</sup>	8800 <sup>4</sup>	19,400	37,000	70,000	104,000	
	750			51.7	6600	12,000	27,200	49,000	88,000	140,000	
	1000			69.0	8700	16,000	36,100	65,000	130,000		
	1250			86.2	11,000	19,000	45,000	81,000			
	1500			103	13,000	22,000	54,000	97,000			
1750	121			15,000	25,000	63,000					
			2000	138	17,000	28,000	71,000				

1. Capacity is based on 20 percent droop unless otherwise noted below.  
4. Outlet pressure setting may shift ±15 PSIG.  
6. Small orifices and low pressure drops may cause the set point to shift +15 psig (1.3 BAR).

## MEGR-1627 Flow Coefficients

Orifice Size		3/4 Inch Body			1 Inch Body			2 Inch Body			K
Inches	mm	Wide-Open C <sub>g</sub> for External Relief Sizing	Wide-Open C <sub>v</sub> for External Relief Sizing	C <sub>1</sub>	Wide-Open C <sub>g</sub> for External Relief Sizing	Wide-Open C <sub>v</sub> for External Relief Sizing	C <sub>1</sub>	Wide-Open C <sub>g</sub> for External Relief Sizing	Wide-Open C <sub>v</sub> for External Relief Sizing	C <sub>1</sub>	
3/32	2.4	6.9	0.24	29.2	6.9	0.24	28.5	6.9	0.23	29.7	0.72
1/8	3.2	12.5	0.43	29.1	12.5	0.43	29.4	12.5	0.42	29.5	0.62
3/16	4.8	29	1.01	28.6	29	0.93	31.2	29	1.02	28.5	0.72
1/4	6.4	50	1.63	30.5	50	1.71	29.3	52	1.66	31.3	0.76
3/8	9.5	108	2.99	36.1	108	3.42	31.6	115	3.39	33.9	0.79
1/2	12.7	190	4.87	39.0	190	5.29	35.9	200	5.01	39.9	.074

# MEGR-1627R High Flow Gas Regulator with Internal Relief

## MEGR-1627R Internal Relief Performance<sup>1</sup>

Outlet Pressure Spring Range	Outlet Pressure Setting		Maximum Allowable Downstream Pressure		Maximum Inlet Pressure to Keep - Maximum Allowable Downstream Pressure from Being Exceeded <sup>2</sup>					
					1627R					
					Port Diameter, inches					
	PSIG	BAR	PSIG	BAR	3/32	1/8	3/16	1/4	3/8	1/2
5 to 20 PSIG <sup>3</sup> (.03 to 1.4 BAR)	10	0.7	60	4.1	1250	740	320	190	95	75
			100	6.9	2000	1500	620	390	180	130
			125	8.6	2000	1900		480	220	160
			175	12.1	2000	2000				
			200	13.8	2000	2000				
	250	17.2	2000	2000						
	15	1.0	60	4.1	1000	620	260	170	90	70
			100	6.9	2000	1400	610	370	170	130
			125	8.6	2000	1900		480	220	160
			175	12.1	2000	2000				
			200	13.8	2000	2000				
	250	17.2	2000	2000						
	20	1.4	60	4.1	850	490	210	130	80	65
			100	6.9	2000	1300	600	360	170	120
			125	8.6	2000	1800		480	220	160
175			12.1	2000	2000					
200			13.8	2000	2000					
250	17.2	2000	2000							
15 to 40 PSIG (1.0 to 2.8 BAR)	15	1.0	60	4.1	1000	380	210	130	80	65
			100	6.9	2000	1300	590	350	170	120
			125	8.6	2000	1800	800	470	220	160
			175	12.1	2000	2000	1100	640		
			200	13.8	2000	2000	1300			
250	17.2	2000	2000	1600						

	20	1.4	60	4.1	630	200	150	100	70	65
			100	6.9	2000	1200	550	330	160	120
			125	8.6	2000	1700	760	450	210	160
			175	12.1	2000	2000	1100	630		
			200	13.8	2000	2000	1300			
			250	17.2	2000	2000	1600			
	30	2.1	100	6.9	2000	950	450	260	140	110
			125	8.6	2000	1500	670	400	190	150
			175	12.1	2000	2000	1000	610	300	
			200	13.8	2000	2000	1200			
			250	17.2	2000	2000	1600			
	40	2.8	100	6.9	1500	700	330	200	120	108
			125	8.62	2000	1300	560	340	180	140
			175	12.1	2000	1800	1000	550	290	
			200	13.8	2000	2000	1200	730		
250			17.2	2000	2000	1600				
Outlet Pressure Spring Range	Outlet Pressure Setting		Maximum Allowable Downstream Pressure		Maximum Inlet Pressure to Keep - Maximum Allowable Downstream Pressure from Being Exceeded <sup>2</sup>					
					1627R					
					Port Diameter, inches					
	PSIG	BAR	PSIG	BAR	3/32	1/8	3/16	1/4	3/8	1/2
35 to 80 PSIG (2.4 to 5.5 BAR)	40	2.8	125	8.6	2000	1100	500	300	170	140
			150	10.3	2000	1600	750	440	230	180
			175	12.1	2000	2000	980	580	290	
			200	13.8	2000	2000	1200	720		
			250	17.2	2000	2000	1600			
	50	3.4	125	8.6	1400	820	400	230	150	140
			150	10.3	2000	1400	650	370	210	170
			175	12.1	2000	1900	700	530	270	
			200	13.8	2000	2000	1100	670		
			250	17.2	2000	2000	1500			
	60	4.1	125	8.6	900	450	270	190	140	130
			150	10.3	1700	1100	540	300	190	160
			175	12.1	2000	1700	780	470	250	200
			200	13.8	2000	2000	1000	610		
			250	17.2	2000	2000	1400			
	70	4.8	150	10.3	1200	850	430	250	170	160
			175	12.1	2000	1400	670	400	230	190
			200	13.8	2000	2000	920	550		
			250	17.2	2000	2000	1300			
	80	5.5	150	10.3	800	500	300	200	160	150
175			12.1	1500	1200	550	330	210	190	

			200	13.8	2000	1700	800	480	270	
			250	17.2	2000	2000	1200			
70 to 150 PSIG (4.8 to 10.3 BAR)	70	4.8	175	12.1	1900	600	400	260	200	175
			200	13.8	2000	1200				
			250	17.2	2000	2000				
	80	5.5	175	12.1	1400	250	240	200	190	175
			200	13.8	2000	960				
			250	17.2	2000	2000				
	100	6.9	200	13.8	1500	250	240	230	210	210
			250	17.2	2000	1600				
	125	8.6	250	17.2	2000	1000	500			
	150	10.3	250	17.2	1200	260	260	260		

1. The internal relief performance values are obtained by removing the disk assembly.  
2. For inlet pressure in excess of 1000 PSIG (69.0 BAR) refer to the maximum body and disk pressure ratings in the specifications section.  
3. For pressure settings under 10 PSIG (0.69 BAR) inlet pressure should be limited to approximately 100 PSIG (6.90 BAR) so the set point adjustment can be obtained.  
4. Shaded areas indicate maximum inlet pressures allowed during system failure only.

### MEGR-1627R Capacities for 3/4-inch Body Size<sup>1</sup>

Outlet Pressure Spring Range	Outlet Pressure Setting		Inlet Pressure		Capacities in SCFH (Nm <sup>3</sup> /h) of 0.6 Specific Gravity Natural Gas 3/4" Body Size – For LPG multiply by .625 = SCFH/LPG					
					Orifice Size, Inches					
					PSIG	BAR	3/32	1/8	3/16	1/4
5 to 20 PSIG <sup>2</sup> (.03 to 1.4 BAR)	5	0.3	10	0.7	170	320	710	1050	1500	1850
			15	1.0	240	330	810	1290	2100	2850
			20	1.4	290	460	1090	1750	2750	3850
			30	2.1	380	610	1470	2490	3600	4800
			60	4.1	640	1170	2460	3690	5270	6120
			75	5.2	770	1410	2880	4150	5760	6900
			100	6.9	990	1690	3540	4790	6200	7600
	10	0.7	15	1.0	210	320	800	1290	2100	2820
			20	1.4	280	450	1070	1740	2700	3800
			30	2.1	380	610	1470	2430	3550	4780
			60	4.1	640	1170	2460	3690	5270	6120
			75	5.2	770	1410	2880	4150	5760	6900
			100	6.9	990	1690	3540	4790	6200	7600
			150	10.3	1420	2430	4000	5680	6250	7630
			200	13.8	1850	3070	4200	6200	6380	7680
			300	20.7	2700	3970	4270	6250	6500	
			500	34.5	4010	4240	5640	6520		
			750	51.7	4400	5120	6400			
1000	69.0	4450	6220							

			1250	86.2	4540					
			1500	103	4880					
			1750	121	5230					
			2000	138	5900					
	20	1.4	30	2.1	350	590	1390	2480	4350	4970
			50	3.5	550	980	2240	4000	7450	8000
			60	4.1	640	1170	2610	4680	7800	8900
			100	6.9	990	1800	3980	6700	9750	10400
			150	10.3	1420	2580	5600	8790	10000	10800
			200	13.8	1850	3370	7050	9000	10200	10800
			300	20.7	2700	4910	7300	9500	10500	
			500	34.5	4400	5200	7400	9760		
			750	51.7	6600	5360	8870			
			1000	69.0	7300	6500				
1250	86.2	7500								
1500	130	7800								
1750	121	8400								
2000	138	8600								
15 to 40 PSIG (1.0 to 2.8 BAR)	40	2.8	60	4.1	610	1090	2270	4230	8100	9100
			75	5.2	760	1370	3080	5330	10300	11600
			100	6.9	990	1790	4070	6840	11900	13400
			150	10.3	1420	2580	5850	9320	13500	13800
			200	13.8	1850	3370	7630	11000	16300	17100
			300	20.7	2700	4910	11200	14700	17800	
			500	34.5	4400	8090	14500	14800		
			750	51.7	6600	10800	14800	14900		
			1000	69.0	8700	13100	16300			
			1250	86.2	11000	13800				
			1500	130	12000	14000				
1750	121	13000								
2000	138	14000								
35 to 80 PSIG (2.4 to 5.5 BAR)	60	4.1	75	5.2	700	1230	2760	4700	8170	12600
			100	6.9	970	1740	3910	6690	11900	14400
			150	10.3	1420	2580	5850	9740	15700	18700
			200	13.8	1850	3370	7630	12400	18400	21200
			300	20.7	2700	4910	11200	17700	20200	
			500	34.5	4400	8090	18300	20000		
			750	51.7	6600	12000	18900	21400		
			1000	69.0	8700	16000	19000			
			1250	86.2	11000	18700				
			1500	130	13000	19000				
			1750	121	15000	20000				
2000	138	17000								

Table Continued

1. Capacity is based on 20% droop unless otherwise noted below.
2. For pressure setting under 10 PSIG (06.9 BAR) inlet pressure should be limited to approximately 100 PSIG (6.90 BAR) so that setpoint adjustment can be obtained.
3. Blank areas indicate where maximum operating inlet pressure for a given orifice is exceeded.

Outlet Pressure Spring Range	Outlet Pressure Setting		Inlet Pressure		Capacities in SCFH (Nm <sup>3</sup> /h) of 0.6 Specific Gravity Natural Gas 3/4" Body Size – For LPG multiply by .625 = SCFH/LPG					
					Orifice Size, Inches					
	PSIG	BAR	PSIG	BAR	3/32	1/8	3/16	1/4	3/8	1/2
35 to 80 PSIG (2.4 to 5.5 BAR)	80	5.5	100	6.90	900	1630	3570	6490	12000	17200
			150	10.3	1410	2580	5780	10500	18900	25000
			200	13.8	1850	3370	7630	13700	23000	29000
			300	20.7	2700	4910	11200	20100	26000	
			500	34.5	4400	8090	18300	29000		
			750	51.7	6600	12000	23100	30900		
			1000	69.0	8700	16000	27400			
			1250	86.2	11000	19000				
			1500	130	13000	22000				
			1750	121	15000	25000				
70 to 150 PSIG (4.8 to 10.3 BAR)	100	6.9	150	10.3	1170	2510	5540	8310	15500	20300
			200	13.8	1850	3370	7630	12000	20100	25700
			300	20.7	2700	4910	11200	18200		
			500	34.5	4400	8090	18300			
			750	51.7	6600	12000				
			1000	69.0	8700	16000				
			1250	86.2	11000					
			1500	130	13000					
			1750	121	15000					
			2000	138	17000					
	125	8.6	150	10.3	1250	2330	5090	9130	15700	20800
			200	13.8	1830	3320	7360	13160	22400	28600
			300	20.7	2700	4910	11200	19700		
			500	34.5	4400	8090	18300			
			750	51.7	6600	12000				
			1000	69.0	8700	16000				
			1250	86.2	11000					
			1500	130	13000					
			1750	121	15000					
			2000	138	17000					
150	10.3	200	13.8	1760	3200	7020	12500	21400	30600	
		300	20.7	2700	4910	11200	17200			

			500	34.5	4400	8090	18300			
			750	51.7	6600	12000				
			1000	69.0	8700	16000				
			1250	86.2	11000					
			1500	130	13000					
			1750	121	15000					
			2000	138	17000					

1. Capacity is based on 20% droop unless otherwise noted below.
2. For pressure setting under 10 PSIG (06.9 BAR) inlet pressure should be limited to approximately 100 PSIG (6.90 BAR) so that setpoint adjustment can be obtained.
3. - Blank areas indicate where maximum operating inlet pressure for a given orifice is exceeded.

### MEGR-1627R Capacities for 1 and 2 Inch Body Sizes<sup>1</sup>

Outlet Pressure Spring Range	Outlet Pressure Setting		Inlet Pressure		Capacities in SCFH (Nm <sup>3</sup> /h) of 0.6 Specific Gravity Natural Gas 1 & 2" Body Size – For LPG multiply by .625 = SCFH/LPG				
					Orifice Size, Inches				
	PSIG	BAR	PSIG	BAR	3/32	1/8	3/16	1/4	3/8
5 to 20 PSIG <sup>2</sup> (.03 to 1.4 BAR)	5	0.3	10	0.7	170	330	710	1080	2000
			15	1.0	240	390	890	1500	2350
			20	1.4	290	500	1160	1900	2750
			30	2.0	380	690	1500	2500	3600
			60	4.1	640	1170	2460	3690	5650
			75	5.2	770	1410	2880	4150	6450
			100	6.9	990	1800	3540	5790	7520
	10	0.7	15	1.0	210	390	840	1480	2300
			20	1.4	280	500	1100	1880	2700
			30	2.0	380	690	1500	2460	3550
			60	4.1	640	1170	2460	3690	5650
			75	5.2	770	1410	2880	4150	6450
			100	6.9	990	1800	3540	4790	7520
			150	10.3	1420	2580	4660	5680	9980
			200	13.8	1850	3370	5620	6360	11000
			300	20.7	2700	4880	6890	7780	13600
			500	34.5	4400	6720	8570	11600	
			750	51.7	5400	8850	9000		
			1000	69.0	5800	9500			
			1250	86.2	6300				

			1500	103	6600					
			1750	121	6800					
			2000	138	7600					
		20	1.4	30	2.07	350	600	1390	2580	4350
				50	3.45	550	1000	2250	4090	7600
				60	4.14	640	1170	2630	4750	7800
				100	6.90	990	1800	4070	7310	10800
				150	10.3	1420	2580	5720	10300	13500
				200	13.8	1850	3370	7050	10500	14000
				300	20.7	2700	4910	9250	10800	14900
				500	34.5	4400	7830	11800	13000	
				750	51.7	6600	9000	12000		
				1000	69.0	8700	9660			
				1250	86.2	10000				
				1500	103	10400				
				1750	121	12000				
				2000	138	14000				
15 to 40 PSIG (1.0 to 2.8 BAR)	40	2.8	60	4.1	610	1090	2430	4510	9200	
			75	5.2	760	1370	3080	5640	10800	
			100	6.9	990	1790	4070	7310	13500	
			150	10.3	1420	2580	5850	10500	18000	
			200	13.8	1850	3370	7630	11000	21400	
			300	20.7	2700	4910	11200	14900	24400	
			500	34.5	4400	8090	16300	21800		
			750	51.7	6600	12000	20200	23600		
			1000	69.0	8700	16000	23200			
			1250	86.2	11000	19000				
			1500	103	13000	21000				
			1750	121	15000					
			2000	138	17000					
35 to 80 PSIG (2.4 to 5.5 BAR)	60	4.1	75	5.2	700	1230	2760	4860	8600	
			100	6.9	970	1740	3910	7000	12500	
			150	10.3	1420	2580	5850	10500	16800	
			200	13.8	1850	3370	7630	13700	20900	
			300	20.7	2700	4910	11200	20100	28100	
			500	34.5	4400	8090	18300	28500		
750	51.7	6600	12000	22800	29500					

			1000	69.0	8700	16000	26800		
			1250	86.2	11000	19000			
			1500	103	13000	22000			
			1750	121	15000	25000			
			2000	138	17000				

Table Continued

1. Capacity is based on 20% droop unless otherwise noted below.
2. For pressure setting under 10 PSIG (06.9 BAR) inlet pressure should be limited to approximately 100 PSIF (6.90 BAR) so that setpoint adjustment can be obtained.
3. - Blank areas indicate where maximum operating inlet pressure for a given orifice is exceeded.

Outlet Pressure Spring Range	Outlet Pressure Setting		Inlet Pressure		Capacities in SCFH (Nm <sup>3</sup> /h) of 0.6 Specific Gravity Natural Gas 1 & 2" Body Size – For LPG multiply by .625 = SCFH/LPG					
	PSIG	BAR	PSIG	BAR	Orifice Size, Inches					
					3/32	1/8	3/16	1/4	3/8	1/2
35 to 80 PSIG (2.4 to 5.5 BAR)	80	5.5	100	6.9	900	1630	3570	6650	12000	17400
			150	10.3	1410	2580	5750	10500	20100	26000
			200	13.8	1850	3370	7630	13700	25100	31800
			300	20.7	2700	4910	11200	20100	32600	
			500	34.5	4400	8090	18300	30300		
			750	51.7	6600	12000	27200	37400		
			1000	69.0	8700	16000	33300			
			1250	86.2	11000	19000				
			1500	103	13000	22000				
70 to 150 PSIG (4.8 to 10.3 BAR)	100	6.9	150	10.3	1170	2510	5540	8310	15500	20300
			200	13.8	1850	3370	7630	12000	20100	26700
			300	20.7	2700	4910	11200	18200		
			500	34.5	4400	8090	18300			
			750	51.7	6600	12000				
			1000	69.0	8700	16000				
			1250	86.2	11000					
			1500	103	13000					
	1750	121	15000							
	2000	138	17000							
	125	8.6	150	10.3	1250	2330	5090	9470	15700	20800
			200	13.8	1830	3320	7360	13400	23600	31300
			300	20.7	2700	4910	11200	19700		
			500	34.5	4400	8090	18300			
			750	51.7	6600	12000				
1000			69.0	8700	16000					
1250			86.2	11000						

			1500	103	13000					
			1750	121	15000					
			2000	138	17000					
	150	10.3	200	13.8	1760	3200	7020	12900	21400	33300
			300	20.7	2700	4910	11200	17200		
			500	34.5	4400	8090	18300			
			750	51.7	6600	12000				
			1000	69.0	8700	16000				
			1250	86.2	11000					
			1500	103	13000					
			1750	121	15000					
			2000	138	17000					

1. Capacity is based on 20% droop unless otherwise noted below.  
Blank areas indicate where maximum operating inlet pressure for a given orifice is exceeded.