

MEGR-1133 HIGH FLOW GAS REGULATOR

MEGR-1133 Flow Capacities of Natural Gas (0.6 S.G.) in SCFH¹ - For LPG Multiply by .625 = SCFH/LPG

Inlet Pressure		Outlet Pressure Setting ⁽¹⁾ and Outlet Pressure Range											
		4 in. w.c. (10 mbar) 2 to 4 in. w.c. (5 to 10 mbar)	6 in. w.c. (15 mbar) 3.5 to 6 in. w.c. (8.7 to 15 mbar)	7 in. w.c. (17 mbar) 5 to 9 in. w.c. (12 to 22 mbar)	14 in. w.c. (35 mbar) 8.5 to 18 in. w.c. (21.2 to 44.8 mbar)		14 in. w.c. (35 mbar) 14 to 28 in. w.c. (35 to 70 mbar)		1 psig (0.07 bar) 14 to 28 in. w.c. (35 to 70 mbar)		2 psig (0.14 bar) 0.75 to 2 psig (0.05 to 0.14 bar)		
		1 in. w.c. (2.5 mbar) Droop SCFH (Nm³/h)	1 in. w.c. (2.5 mbar) Droop SCFH (Nm³/h)	1 in. w.c. (2.5 mbar) Droop SCFH (Nm³/h)	1 in. w.c. (2.5 mbar) Droop SCFH (Nm³/h)	2 in. w.c. (5 mbar) Droop SCFH (Nm³/h)	1 in. w.c. (2.5 mbar) Droop SCFH (Nm³/h)	2 in. w.c. (5 mbar) Droop SCFH (Nm³/h)	10% Droop SCFH (Nm³/h)	20% Droop SCFH (Nm³/h)	10% Droop SCFH (Nm³/h)	20% Droop SCFH (Nm³/h)	
1	0.07	14 (0.38)	13 (0.35)	12 (0.32)	5 (0.13)	8.4 (0.22)							
2	0.14	20.8 (0.56)	20 (0.54)	17 (0.46)	8.2 (0.22)	15.2 (0.41)			11.5 (0.31)	16 (0.43)			
3	0.21	26 (0.70)	24.5 (0.66)	21 (0.56)	12 (0.32)	19.5 (0.52)			15.5 (0.42)	21.5 (0.58)	12.5 (0.34)	18.5 (0.50)	
5	0.34	35 (0.94)	33 (0.88)	32 (0.86)	16 (0.43)	28 (0.75)	14 (0.38)	23 (0.62)	24 (0.64)	31.5 (0.84)	20.5 (0.55)	28 (0.75)	
10	0.69	52 (1.39)	52 (1.39)	48 (1.29)	34 (0.91)	45 (1.21)	26 (0.70)	38 (1.02)	37.5 (1.00)	44 (1.18)	38 (1.02)	46 (1.29)	
20	1.38	78 (2.09)	77 (2.06)	79 (2.12)	69 (1.85)	76 (2.04)	60 (1.61)	69 (1.85)	70 (1.88)	77 (2.06)	62 (1.66)	76 (2.04)	
30	2.07	101 (2.7)	100 (2.68)	100 (2.68)	91 (2.44)	97 (2.60)	87 (2.33)	93 (2.49)	90 (2.41)	101 (2.71)	87 (2.33)	101 (2.71)	
40	2.76	124 (3.32)	122 (3.27)	124 (3.32)	109 (2.92)	116 (3.11)	107 (2.87)	115 (3.08)	110 (2.95)	122 (3.27)	105 (2.81)	121 (3.24)	
50	3.45	146 (3.91)	144 (3.86)	145 (3.89)	130 (3.48)	136 (3.64)	132 (3.54)	137 (3.67)	127 (3.40)	145 (3.89)	124 (3.32)	145 (3.89)	
60	4.14	170 (4.56)	168 (4.50)	166 (4.45)	155 (4.15)	161 (4.32)	152 (4.07)	158 (4.23)	149 (3.99)	167 (4.48)	145 (3.89)	170 (4.56)	

1. Outlet pressure setting was made at approximately 10% of the maximum capacity for the listed conditions.

Stated Flow Measured in Units Of 1,000 SCFH/ Natural Gas (0.6 S.G.).

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Inlet Pressure		Outlet Pressure Setting ⁽¹⁾ and Outlet Pressure Range									
		3 psig (0.21 bar) 1.5 to 3 psig (0.10 to 0.21 mbar)		2 psig (0.14 bar) 2 to 5 psig (0.14 to 0.34 mbar)		5 psig (0.34 bar) 2 to 5 psig (0.14 to 0.34 mbar)		5 psig (0.34 bar) 5 to 10 psig (0.34 to 0.69 mbar)		10 psig (0.69 bar) 5 to 10 psig (0.34 to 0.69 mbar)	
		10% Droop SCFH (Nm ³ /h)	20% Droop SCFH (Nm ³ /h)	10% Droop SCFH (Nm ³ /h)	20% Droop SCFH (Nm ³ /h)	10% Droop SCFH (Nm ³ /h)	20% Droop SCFH (Nm ³ /h)	10% Droop SCFH (Nm ³ /h)	20% Droop SCFH (Nm ³ /h)	10% Droop SCFH (Nm ³ /h)	20% Droop SCFH (Nm ³ /h)
3	0.21			6.5 (0.17)	11.5 (0.31)						
5	0.34	14 (0.38)	22 (0.59)	11 (0.30)	18 (0.48)						
7	0.48	21.5 (0.58)	31 (0.83)	13 (0.35)	22 (0.59)	15.5 (0.42)	24 (0.64)	9 (0.24)	15 (0.40)		
10	0.69	28 (0.75)	42 (1.13)	15 (0.40)	27 (0.72)	24 (0.64)	35 (0.94)	14 (0.38)	22 (0.59)		
15	1.03	40 (1.07)	57 (1.53)	25.5 (0.68)	39 (1.04)	35 (0.94)	51 (1.37)	19 (0.51)	31.5 (0.84)	21 (0.56)	35 (0.94)
20	1.38	52 (1.39)	72 (1.93)	35 (0.94)	52 (1.39)	46 (1.23)	67 (1.80)	24 (0.64)	41 (1.10)	31 (0.83)	51 (1.37)
30	2.07	76 (2.04)	96 (2.57)	49 (1.31)	73 (1.96)	68 (1.82)	95 (2.55)	35 (0.94)	58 (1.55)	44 (1.18)	74 (1.98)
40	2.76	98 (2.63)	119 (3.19)	66 (1.77)	97 (2.60)	88 (2.36)	117 (3.14)	44 (1.18)	73 (1.96)	56 (1.50)	97 (2.60)
50	3.44	118 (3.16)	141 (3.78)	84 (2.25)	112 (3.00)	103 (2.76)	138 (3.70)	57 (1.53)	89 (2.38)	74 (1.98)	117 (3.14)
60	4.14	136 (3.64)	165 (4.42)	104 (2.79)	132 (3.54)	122 (3.27)	156 (4.18)	65 (1.74)	106 (2.84)	91 (2.44)	136 (3.64)

1. Outlet pressure setting was made at approximately 10% of the maximum capacity for the listed conditions.
Stated Flow Measured in Units Of 1,000 SCHF/ Natural Gas (0.6 S.G.).

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MEGR-1133 Flow Capacities of Natural Gas (0.6 S.G.) in SCFH¹ - For LPG Multiply by .625 = SCFH/LPG

Inlet Pressure		Outlet Pressure Setting ⁽¹⁾ and Outlet Pressure Range											
		25% Capacity				40% Capacity				60% Capacity			
		5 psig (0.34 bar) 2 to 5 psig (0.14 to 0.34 mbar)		10 psig (0.69 bar) 5 to 10 psig (0.34 to 0.69 mbar)		5 psig (0.34 bar) 2 to 5 psig (0.14 to 0.34 mbar)		10 psig (0.69 bar) 5 to 10 psig (0.34 to 0.69 mbar)		5 psig (0.34 bar) 2 to 5 psig (0.14 to 0.34 mbar)		10 psig (0.69 bar) 5 to 10 psig (0.34 to 0.69 mbar)	
		10% Droop SCFH (Nm³/h)	20% Droop SCFH (Nm³/h)	10% Droop SCFH (Nm³/h)	20% Droop SCFH (Nm³/h)	10% Droop SCFH (Nm³/h)	20% Droop SCFH (Nm³/h)	10% Droop SCFH (Nm³/h)	20% Droop SCFH (Nm³/h)	10% Droop SCFH (Nm³/h)	20% Droop SCFH (Nm³/h)	10% Droop SCFH (Nm³/h)	20% Droop SCFH (Nm³/h)
7	0.48	8.0 (0.21)	9.0 (0.24)			11.0 (0.0)	15.0(0.40)			13.0 (.035)	17.0 (0.46)		
10	0.69	12.3 (0.33)	13.0 (0.35)			16.5 (0.44)	20.0 (0.54)			20.0 (0.54)	25.0 (0.67)		
15	1.03			13.0 (0.35)	15.5 (0.42)			16.5 (0.44)	23.5 (0.63)			20.0 (0.54)	29.5 (0.79)
20	1.38	20.8 (0.56)	21.2 (0.57)	17.5 (0.47)	20.0 (0.54)	31.5 (0.84)	33.5 (0.90)	23.5 (0.63)	30.5 (0.82)	36.0 (0.96)	46.5 (1.25)	29.0 (0.78)	39.5 (1.06)
40	2.76	33.5 (0.90)	33.5 (0.90)	33.0 (0.88)	33.5 (0.90)	52.0 (1.39)	53.2 (1.43)	46.0 (1.23)	53.2 (1.43)	70.0 (1.88)	77.5 (2.08)	57.0 (1.53)	74.5 (2.00)
60	4.14	45.5 (1.22)	45.5 (1.22)	45.5 (1.22)	45.5 (1.22)	72.7 (1.95)	72.7 (1.95)	67.0 (1.80)	72.7 (1.95)	105.0 (2.81)	107.0 (2.87)	87.0 (2.33)	107 (2.87)
1. Outlet pressure setting was made at approximately 10% of the maximum capacity for the listed conditions. Stated Flow Measured in Units Of 1,000 SCHF/ Natural Gas (0.6 S.G.).													