

PINNACLE GAS PRODUCTS, LLC

www.pinnaclegasproducts.com

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INTEGRAL TWO STAGE REGULATORS



Part No	BTU Capacity	Inlet	Outlet	Outlet Adjustment Range	Outlet Pressure Setting
R232-BBF	350,000	1/4" FNPT	1/2" FNPT	9 1/2" - 13" WC	11" WC
R232-BBFXA ¹		FPOL			
R232-HBF					
R232-HBFXA ¹					
R632-BCF	700,000	1/4" FNPT	1/2" FNPT	9" - 13" WC	
R632-BCFXA ¹		FPOL			
R632-HCF					
R632-HCFXA ¹	750,000	1/4" FNPT	3/4" FNPT	9" - 13" WC	
R632-CFF		FPOL			
R632-CFFXA ¹					
R632-JFF					
R632-JFFXA ¹					

Part Number	Inlet FNPT	Outlet FNPT	Capacity BTU/H	Outlet Range	Outlet Setting
720C *	1/4"	3/8"	160,000	NA	11" WC
720A *			250,000		
720B *		1/2"	500,000	9-13" WC	
920	550,000				
920A	3/4"		550,000		
920V	1/2"	-----	13-17"	15" WC	
921	POL	1/2"	550,000	9-13" WC	11" WC
921A		3/4"			



921 Series
Color: Grey



MGC-290-00 REGULATOR, INTEGRAL, 1/4" X 3/8", 160,000 BTU
 MGC-294-00 REGULATOR, INTEGRAL, 1/4" X 3/8", 160,000 BTU,
 90 DEG VENT



SHW-720A REGULATOR, INTEGRAL, 1/4"X3/8", 250K BTU
 SHW-720B REGULATOR, INTEGRAL, 1/4"X1/2", 500K BTU

5446 W ROOSEVELT ST, SUITE # 107, PHOENIX, AZ 85043

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FIRST STAGE REGULATORS



Type Number	Capacity BTU/HR Propane ¹	Inlet Connection Inches	Outlet Connection Inches	Outlet Adjustment Range Psig (bar)	Outlet Pressure Setting Psig (bar)
R122H-AAJ	1,100,000	1/4 FNPT	1/2 FNPT	Non-Adjustable	10 (0,69)
R122H-AAJXB ²					
R622H-BGK	2,000,000	1/2 FNPT	3/4 FNPT	4 – 6 (0,28 – 0,41)	5 (0,35)
R622H-HGK		FPOL			
R622H-JGK	2,250,000				
R622H-BGJ	2,100,000	1/2 FNPT	1/2 FNPT	8 – 12 (0,55 – 0,83)	10 (0,69)
R622H-DGJ	2,400,000	3/4 FNPT	3/4 FNPT		
R622H-HGJ	2,100,000	FPOL	1/2 FNPT		
R622H-JGJ	2,250,000		3/4 FNPT		

1. Based on 30 psig (2,07 bar) inlet pressure and 20% droop.
2. Vent over gage taps.



Part No	BTU Capacity	Inlet	Outlet	Pressure Set Point
740HP	1,000,000	1/4" FNPT	1/2" FNPT	10 PSIG
800HPS1	1,000,000	POL	1/2" FNPT	10 PSIG
800HPS3	1,000,000	POL	3/4" FNPT	10 PSIG



MGC-R1520 REGULATOR, FIRST STAGE, 1/4" X 1/2", 800,000 BTU



Type Number	Basic Regulator (Handwheel Adjustment)	Capacity	Outlet Pressure Range	Outlet Pressure Setting
67CH-743		750,000	20 (1,4)	3 – 35 (0,21 – 2,4)
67CH-742		1,200,000	40 (2,8)	30 – 60 (2,1 – 4,1)
67CH-741		1,000,000	50 (3,4)	50 – 135 (3,4 – 9,3)

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SECOND STAGE REGULATORS



Type Number	Capacity BTU/HR Propane ¹	Inlet Connection Inches	Outlet Connection Inches	Outlet Pressure Range Inches wc (mbar)	Outlet Pressure Setting Inches wc (mbar)
R222-BAF	450,000	1/2 FNPT	1/2 FNPT	9-1/2 – 13 (24 – 32)	11 (27)
R622-BCF	875,000				
R622-CFF	1,400,000	3/4 FNPT	3/4 FNPT	9 – 13 (22 – 32)	
R622-DFD					
R642-DFD	900,000	1/2 FNPT	3/4 FNPT	9 – 13 (22 – 32)	
R652-CFF	1,000,000	3/4 FNPT			
R652-DFD					
R622-CFGXA	1,000,000	1/2 FNPT	3/4 FNPT	13 – 20 (32 – 50)	18 (45)
HSRL-BFC	2,300,000	3/4 FNPT	3/4 FNPT	9 – 13 (22 – 32)	11 (27)
HSRL-CFC	2,600,000	1 FNPT	1 FNPT		

1. Based on 10 psig (0,69 bar) inlet pressure and 2-inches wc droop.



Part Number	Inlet Connection (FNPT)	Outlet Connection (FNPT)	Factory Set Pressure (WC)	Adjustment At Range (WC)	Outlet Positions	Bonnet Vent Positions
800HC	1/2"	1/2"	11"	9 - 13"	Straight	Above inlet
800HBC	1/2"	1/2"	11"	9 - 13"	Right angle	Above inlet
800JC	1/2"	3/4"	11"	9 - 13"	Straight	Above inlet
800JBC	1/2"	3/4"	11"	9 - 13"	Right angle	Above inlet
800NC	3/4"	3/4"	11"	9 - 13"	Straight	Above inlet
800NBC	3/4"	3/4"	11"	9 - 13"	Right angle	Above inlet



REGULATOR, SECOND STAGE, 1/2" X 1/2" , 500,000 BTU

SECOND STAGE 2 PSI REGULATORS



Type Number	Capacity BTU/HR Propane ¹	Connections Inlet x Outlet Inches	Outlet Pressure Range Psig (bar)	Outlet Pressure Setting Psig (bar)
R622E-BCH	1,250,000	1/2 FNPT x 1/2 FNPT	1 - 2.2 (0,069 - 0,17)	2 (0,14)
R622E-DCH	1,500,000	3/4 FNPT x 3/4 FNPT		
R652E-DFH	1,400,000			

1. Capacity is based on 10 psig (0,69 bar) inlet pressure and 20% droop.

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AUTO CHANGE REGULATORS



R962-31 600,000 BTU, 1/4" INV FLARE X 1/2" FPT



R4520 400,000 BTU, 1/4" INV FLARE X 1/2" FPT



MGC-254-00 210,000 BTU 1/4" INV FL X 3/8", 210,000 BTU



AUTOCHANGE STREAMLINE REGULATORS

730A	200,000	1/4" SAE- Inverted Flare	3/8" FNPT
730B	400,000	1/4" SAE- Inverted Flare	1/2" FNPT
730C	160,000	1/4" SAE- Inverted Flare	3/8" FNPT

RECREATIONAL REGULATORS



MGC-230-00 REGULATOR, SINGLE STAGE



MGC-290-00 REGULATOR, INTEGRAL



MGC-294-00 REGULATOR, INTEGRAL



MGC-350-00 REGULATOR, 0-15 PSI, 1/4"

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HIGH PRESSURE COMMERCIAL REGULATORS

Type Number	Capacity BTU/HR Propane ¹	Orifice Size Inches	Inlet & Outlet Connections Inches	Outlet Pressure Range Psig (bar)	Outlet Pressure Setting Psig (bar)
627-5810	6,080,000	3/8	3/4 FNPT	5 – 20 (0,35 – 1,4)	10 (0,69)
627-6210	10,755,000	1/2			
627-7710	10,773,000				
630-104/78	14,000,000		2 FNPT	8 – 20 (0,55 – 1,4)	
99-511P	33,206,000	7/8	2 FNPT	1 – 5 (0,07 – 0,35)	5 (0,35)
99-513P	36,368,000			2 – 10 (0,14 – 0,69)	10 (0,69)
99-512P	37,950,000			5 – 15 (0,35 – 1,03)	15 (1,03)
99-515P	41,112,000			10 – 20 (0,69 – 1,4)	20 (1,4)
99-903P	44,275,000			10 – 65 (0,69 – 4,5)	30 (2,07)
99-502PH	50,600,000	1-1/8	2 FNPT	1 – 5 (0,07 – 0,35)	5 (0,35)
99-503PH	61,668,000			2 – 10 (0,14 – 0,69)	10 (0,69)
99-504PH	63,250,000			5 – 15 (0,35 – 1,03)	15 (1,03)
99-505PH	67,993,000			10 – 20 (0,69 – 1,4)	20 (1,4)
99-901PH	74,318,000			10 – 65 (0,69 – 4,5)	30 (2,07)

1. Capacity based on inlet pressure 20 psig (1,4 bar) greater than outlet pressure and 20% droop.



LOW PRESSURE COMMERCIAL REGULATORS

Type Number	Capacity BTU/HR Propane	Orifice Size Inches	Inlet & Outlet Connections Inches	Outlet Pressure Range	Outlet Pressure	Maximum Operating Inlet Pressure Psig (bar)			
S302G-FMC	5,200,000 ¹	3/4	1-1/4 FNPT	6 – 14 (15 – 35) ⁶	11 (27) ⁶	15 (1,03)			
S302G-KMC	5,500,000 ¹		1-1/2 FNPT						
S302G-SMC			2 FNPT						
S202G-BNC	10,200,000 ¹	1	1-1/2 FNPT	9 – 18 (22 – 45) ⁶	11 (27) ⁶	25 (1,72)			
S202G-CNC	21,600,000 ¹		2 FNPT						
299H-101	13,100,000 ¹	3/4	1-1/2 FNPT	9 – 20 (22 – 50) ⁶	10 (0,69) ⁷	150 (10,3)			
299H-102	19,700,000 ¹		2 FNPT						
299H-103	23,300,000 ¹		1-1/2 FNPT	6 – 16 (0,41 – 1,1) ⁶					
299H-104	38,000,000 ¹		2 FNPT						
299H-105	20,400,000 ³		1-1/2 FNPT	9 – 20 (22 – 50) ⁶					
299H-106			2 FNPT						
299H-107	38,000,000 ⁴		1-1/2 FNPT	6 – 16 (0,41 – 1,1) ⁷			10 (0,69) ⁷		
299H-108			2 FNPT						
99-510P	29,400,000 ²		7/8	2 FNPT			1/4 – 2 (0,017 – 0,14) ⁷	1 (0,069) ⁷	250 (17,3)
99-511P	33,200,000 ²						1 – 5 (0,069 – 0,35) ⁷	5 (0,35) ⁷	
99-513P	36,350,000 ²	2 – 10 (0,14 – 0,69) ⁷			10 (0,69) ⁷				
99-512P	37,950,000 ²	5 – 15 (0,35 – 1,03) ⁷			15 (1,03) ⁷				
99-501P	49,000,000 ²	1/4 – 2 (0,017 – 0,14) ⁷			1 (0,069) ⁷				
99-502P	50,600,000 ²	1-1/8	2 FNPT	1 – 5 (0,069 – 0,35) ⁷	5 (0,35) ⁷	150 (10,3)			
99-503P	61,650,000 ²			2 – 10 (0,14 – 0,69) ⁷	10 (0,69) ⁷				
99-504P	63,250,000 ²			5 – 15 (0,35 – 1,03) ⁷	15 (1,03) ⁷				
133L-4	70,875,000 ¹			2	2 FNPT		8 1/2 – 18 (21,2 – 44,8) ⁶	14 (35) ⁶	
133H-1	113,400,000 ⁵						1 1/2 – 3 (0,10 – 0,21) ⁷	3 (0,21) ⁷	

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