

FIRST STAGE REGULATORS

DOMESTIC FIRST-STAGE REGULATORS

First-Stage regulators reduce tank pressure to a lower pressure (usually 10 PSIG) for a Second-Stage regulator. Fisher First-Stage regulators are painted red for easy identification.



R622H



Type R622H - Time proven design, constructed of corrosion-resistant and wear-resistant materials, the R622H is designed to provide a Recommended Replacement Life of 20 years. Built-in 1/8" FNPT gauge taps on both the inlet and outlet pressure sides allow for easy system checks. A large 3/4" FNPT drip-lip vent reduces the chance of blockage by freezing rain or sleet when properly installed with the vent pointing down. Each R622H is equipped for overpressure protection with a corrosion-resistant internal relief valve that provides high capacity relief and a travel stop on the closing cap. Its size and configuration make it ideal for under-the-dome installations.

R122H



Type R122H – Designed for use as a first-stage regulator for domestic applications, the R122H's size makes it perfect for tight installations. Stainless steel internal parts and corrosion resistant coatings provide a Recommended Replacement Life of 20 years. Its non-adjustable set point makes the unit virtually tamperproof. Inlet and outlet gauge taps allow easy system testing. Large inlet and outlet wrench flats provide for easy installation, even in underground tanks. The outlet pressure setpoint remains at a nominal factory setting of 10 psig (0,69 bar). The design's superior relief performance exceeds UL requirements and provides double failure overpressure protection when used with a Fisher R600 second-stage regulator. The unit's fluorocarbon valve disc provides better lockup performance and durability in contaminated gas. The vent is threaded with 3/8 NPT for easy installation of vent piping. A large fabric-reinforced diaphragm provides accurate regulation. The large orifice assists in minimizing freeze problems.

Fisher First-Stage Regulators

Part No.	Capacity BTU/HR Propane ¹	Inlet Connection	Outlet Connection	Outlet Pressure Range	Outlet Pressure Setting	Accessories Included
R122H-AAJ	1,100,000	1/4"	1/2" FNPT	Non-adjustable	10 psig	---
R622H-BGK	2,000,000	1/2" FNPT		4-6 psig	5 psig	
R622H-BGJ	2,100,000			8-12 psig	10 psig	
R622H-HGJ		2,250,000	FPOL	3/4" FNPT	4-6 psig	5 psig
R622H-JGK	8-12 psig				10 psig	
R622H-JGJ	2,400,000		3/4" FNPT	3/4" FNPT	4-6 psig	5 psig
R622H-DGJ		8-12 psig			10 psig	

1. Based on 30 psig inlet pressure and 20% droop. 2. 90° vent orientation

OHIO	800 537 7518
INDIANA	800 662 3252
MISSOURI	800 821 3878
KENTUCKY	800 448 9504
MINNESOTA	800 328 6291
FAX	800 383 4664



RI520

Marshall Gas Controls First Stage Residential Regulators

Part No.	BTU Capacity (1)	Inlet/Outlet	Pressure Range	Pressure Set Point
RI520 (2)	1,500,000	1/4" FNPT / 1/2" FNPT	5-10 psig	10 psig

Note: 1. Capacity based on 30 psig inlet pressure with 20% droop
 2. 1/8" pressure gauge tap



800HPS1

Sherwood First Stage Regulators

740HP



Part No	BTU Capacity	Inlet	Outlet	Pressure Set Point	Mounting Plate
740HP	1,000,000	1/4" FNPT	1/2" FNPT	10 PSIG	700-4
800HPS1	1,000,000	POL	1/2" FNPT	10 PSIG	1776-25
800HPS3	1,000,000	POL	3/4" FNPT	10 PSIG	1776-25

Note: The regulator will handle loads up to 1,000,000 Btu/hr at 25 psig inlet and 8 psig outlet pressure. Equipped with 1/8" gauge port.



SECOND STAGE REGULATORS

R622



R652



R642



R222



HSRL



Second-Stage regulators reduce the outlet pressure from a First-Stage regulator (usually 10 psig to 11" water column) in domestic installations. Vents are screened with standard orientation over the inlet, but other orientations are available. Fisher Second-Stage regulators are painted palm green for easy identification. All Fisher Second Stage regulators are designed for Two-Stage LP-Gas systems and listed by Underwriters Laboratories. The regulators are designed using rugged time proven design concepts and constructed of corrosion resistant materials, both internally and externally. The combination of a high capacity relief valve and large vent provide overpressure protection which exceeds UL standards and is capable of limiting the downstream pressure to 2 psig (0,14bar) even in a double failure situation when used with a Fisher brand Type R122H or R622H first-stage regulator. With proper installation and maintenance the regulators will meet a 20-Year Recommended Replacement Life.

Types R622 and R222 have a straight through body design; Type R652 has a back mount body design; Type R642 has a 90-degree angle body design. Types R622, R652, R642 and R222 have dual built in 1/8" threaded gauge taps orifice to a number 54 drill size for easy gas system checks.

Type HSRL utilizes a high strength cast iron body and a 3/4" NPT drip lip vent design. The HSRL is available with either an angle body or a straight globe valve body.

Second-Stage Regulators

Type Number	Capacity BTU/HR Propane	Inlet Connection	Outlet Connection	Outlet Adjustment Range	Outlet Pressure Setting	Suggested Mounting Bracket
R222-BAF	450,000	1/2 FNPT	1/2 FNPT	9 1/2" - 13" WC	11" WC	P100L
R622-BCF	875,000					P100A or P100L
R652-CFF	1,000,000	3/4 FNPT	3/4 FNPT	9" - 13" WC	18" WC	N/A
R652-DFD		1/2 FNPT				
R622-CFF	1,400,000	1/2 FNPT				
R622-DFD	1,400,000	3/4 FNPT				
R642-DFD	900,000	3/4 FNPT	1 FNPT	9" - 13" WC	11" WC	P100A or P100L
R622-CFGXA	1,000,000	1/2 FNPT				
HSRL-BFC	2,300,000	3/4 FNPT	1 FNPT	9" - 13" WC	11" WC	N/A
HSRL-CFC	2,600,000	1 FNPT				

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R2520

Marshall Gas Controls Second-Stage Regulators

Part No.	BTU Capacity*	Inlet	Outlet	Pressure Range	Pressure Set Point
R2520 (1)	500,000	1/2" FNPT	1/2" FNPT	10" - 14" WC	11" WC
R2120	160,000	1/4" FNPT	3/8" FNPT	10" - 14" WC	11" WC

Note: * Inlet pressure at 10 psig with 2" wc droop. VK520 Vent adaptor kit available. 1/2" OD Flare for R1520 & R2520.

(1) 1/8" pressure gauge tap.



800HC



760LP

Sherwood Second-Stage Regulators

Part No.	BTU Capacity	Inlet	Outlet	Pressure Set	Configuration	Mounting Bracket
760LP	650,000	1/2" FNPT	1/2" FNPT	11"WC	Straight Thru	700-4
800HC	800,000				3/4 FNPT	
800HBC			Straight Thru			
800JC			Back Mount			
800JBC		1/2 FNPT Swivel	1/2 FNPT		Straight Thru	P100A or P100L
800NC	3/4 FNPT Swivel				Back Mount	
800NBC		1/2 FNPT Swivel	3/4 FNPT		Straight Thru	
800HCS	3/4 FNPT Swivel				Back Mount	
800JBCSR		3/4 FNPT Swivel	3/4 FNPT Swivel		Straight Thru	
800JCS	Back Mount					
800NBCSR						

Note: 1/8 gauge port. Capacity at 10 psig inlet and 11" wc outlet

