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Find the *Parker / Veriflo HFR902S3PX6KPM* at our website: *Click HERE*

HFR900 Series

Single-Stage, High Flow Pressure Regulator

Stainless Steel



Value Proposition:

The HFR900 Series is designed for high flow rates requiring a compact pressure regulator for control. It can be used with corrosive and non-corrosive gases. Meets most high flow requirements with less than 500 psig supply pressure.

Product Features:

- Self-contained, replaceable valve seat assembly
- Over 20 years of proven reliability
- Available in 316L Stainless Steel
- 1/8” NPT captured vent port is standard
- Large orifice for high flow (up to 500 LPM)
- Large diaphragm for higher sensitivity
- Panel Mount option available

Specifications:

Functional Performance	
Design	
Burst Pressure	1,500 psig (103 barg)
Proof Pressure	750 psig (52 barg)
Flow Capacity	C_V 0.85
Leak Rate	
Internal	Bubble Tight
External	Bubble Tight
Internal Volume	38 cc without fittings
Approximate Weight	2.5 lbs. (1.2 kg)

Operating Conditions	
Maximum Inlet	Based upon seat option
Fluorocarbon	500 psig (35 barg)
Perfluoroelastomer	200 psig (14 barg)
Outlet Options	1 - 30 psig (0-2 barg) 2 - 75 psig (0.1-5 barg) 5 - 150 psig (0.3-10 barg)
Temperature	-40ºF to 150ºF (-40ºC to 66ºC)

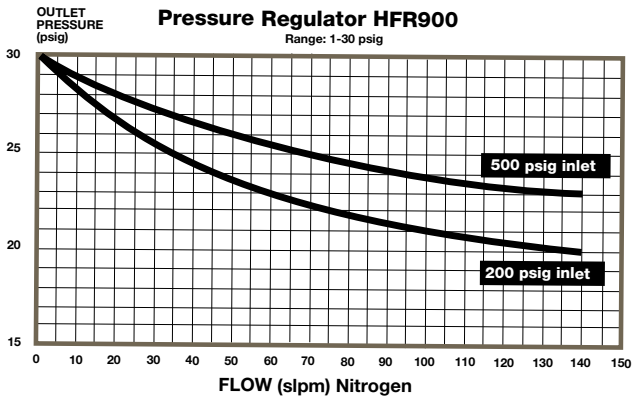
Material of Construction	
Wetted	
Body	316L Stainless Steel
Diaphragm	316L Stainless Steel, PTFE Lined
Nozzel Assembly	
Nozzel Body Options	316L Stainless Steel
Seat Options	(K) Perfluoroelastomer (FFKM) or (V) Flurocarbon (FKM)
Screen	316L Stainless Steel
Retaining Ring	15-7 PH
Gasket	PTFE
Washer	316L Stainless Steel
Spring	316 Stainless Steel
Non-Wetted	
Cap Options	Nickel Plated Brass
Knob	ABS

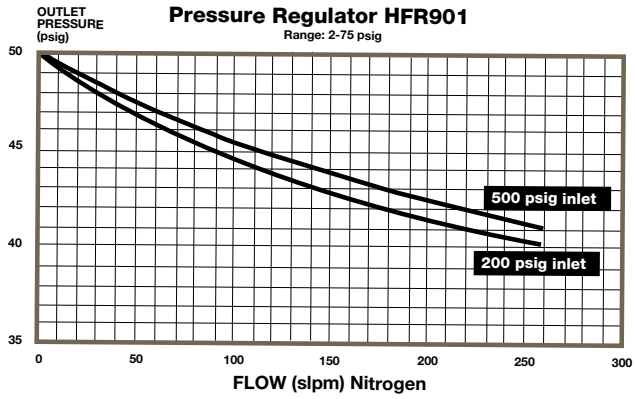
For additional information on materials of construction, functional performance and operating conditions, please contact factory.

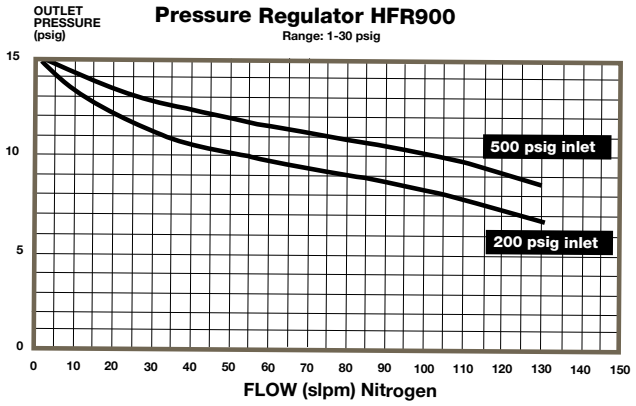
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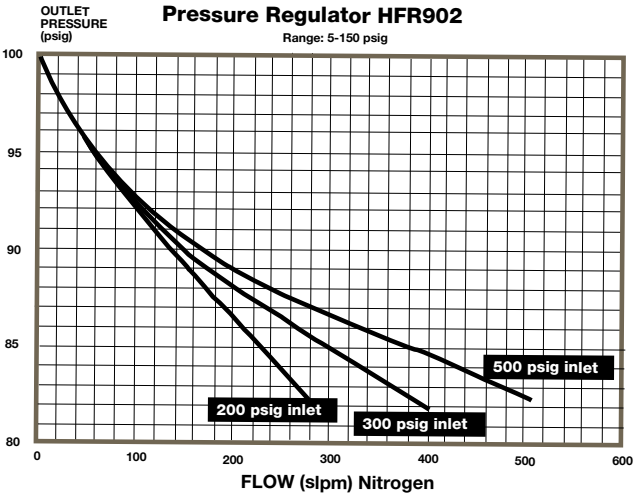
HFR900 Series

Flow Curve:

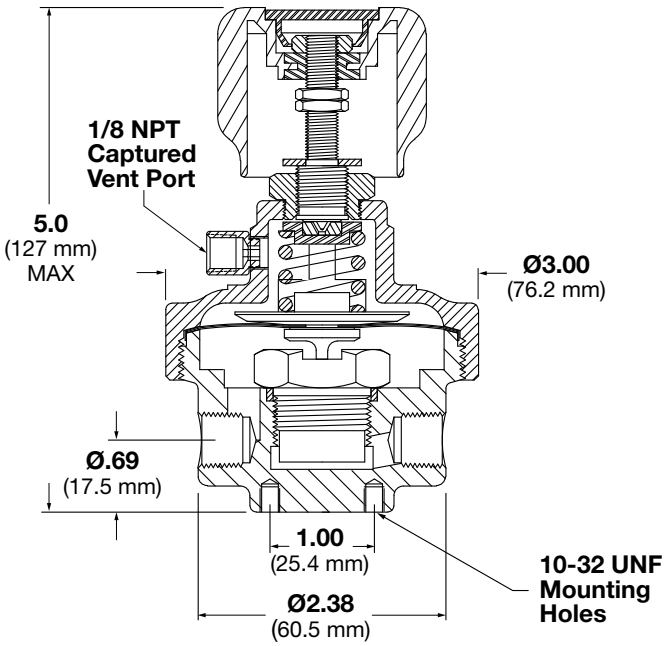








Dimensional Drawing:



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HFR900 Series

Ordering Information:

Building a Part Number: *Example:* **HFR900S4P0366K**

Example Part Number:	HFR90	0	S	4P	03	6	6	K	
Ordering Parameters/Options:	Series	Range	Body Material	Porting	Outlet Gauge	Inlet Gauge	Port Style	Seat Material	Optional Features
Table Reference: (see below)	A	B	C	D	E	F	G	H	I

A - Series	
HFR900	HFR900 Series Regulator

B - Range	
0	0-30 psig
1	2-75 psig
2	5-150 psig

C - Body Material	
S	316L Stainless Steel

D - Porting	
2P	2 Ports (No X required for gauges, inlet and outlet ports only)
3P	3 Ports (One X for gauge ports)
4P	4 Ports (Two X for gauge ports)
4PB	4 Ports (One X for gauge ports)
Note: Ports may be plugged for NPT threaded product.	

E - Outlet Gauge / Basic Series	
03	0-30 psig
OL	0-60 psig
01	0-100 psig
2	0-200 psig
X	No Gauge

F - Inlet Gauge	
4	0-400 psig
6	0-600 psig
X	No Gauge

G - Port Style	
4	1/4" NPT Female (All Gauge ports are 1/4" NPT Female)
6	3/8" NPT Female (All Gauge ports are 1/4" NPT Female)
8	1/2" NPT Female (All Gauge ports are 1/4" NPT Female)

H - Seat Material	
K	Perfluoroelastomer (FFKM) (200 psig maximum)
V	Fluorocarbon (FKM) (500 psig maximum)

I - Optional Features (This section can have multiple options)	
PM	Panel Mount (Captured Vent Not Available)
C3	Cleaned Oxygen Service (Oxygen Cleaning requirements are in accordance with Parker Specification ES8003)

Parker Instrumentation Products Division reserves the right to plug NPT ports

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