

# HF 1200 Series

## High Flow Threaded Regulator

aerospace  
climate control  
electromechanical  
filtration  
fluid & gas handling  
hydraulics  
pneumatics  
process control  
sealing & shielding

### Customer Value Proposition:

The HF1200 regulator offers high flow capability with an inlet pressure up to 1,250 psig. The large convoluted Hastelloy C22<sup>®</sup> diaphragm provides stable pressure control over the operational range of the regulator.

The combined high flow and high inlet pressure increases the application range of the regulator thus reducing regulator inventories.



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### Product Features:

- High inlet pressure with 1.2 C<sub>v</sub> to meet a variety of applications.
- Hastelloy C-22<sup>®</sup> diaphragm for high corrosion resistance
- 59% larger effective area of the diaphragm than other manufacturers.
- Large convoluted diaphragm provides stable pressure control.
- Seat material selection for media compatibility

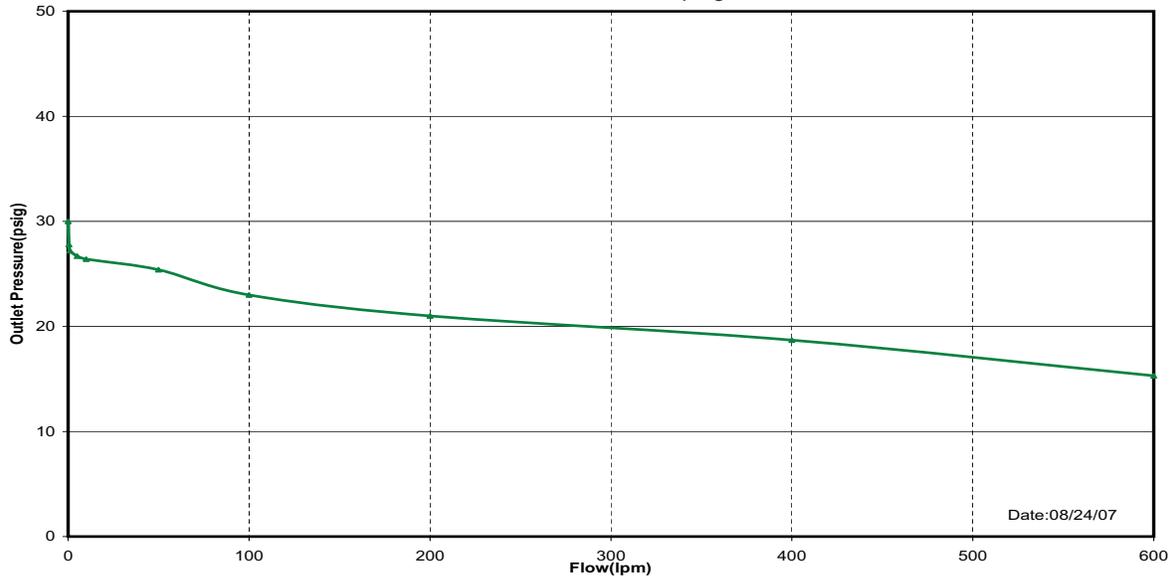


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# HF1200 SERIES REGULATOR

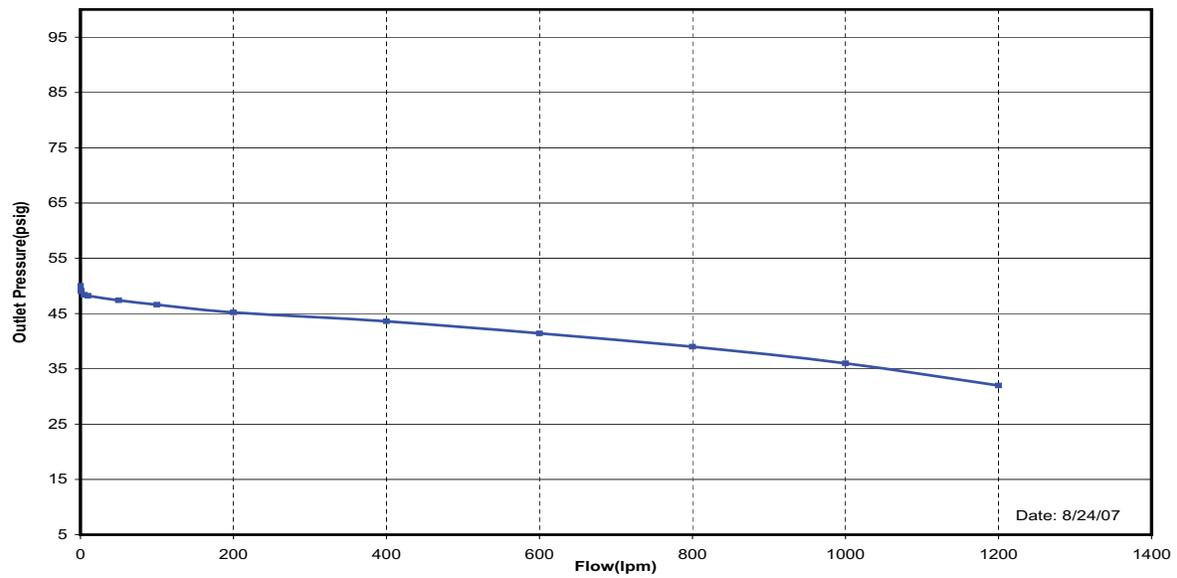
## FLOW CURVE 30 psig

HF1200 Regulator with 3/4" tube fittings  
Inlet Pressure: 50 psig, N2  
Outlet Pressure: 30 psig



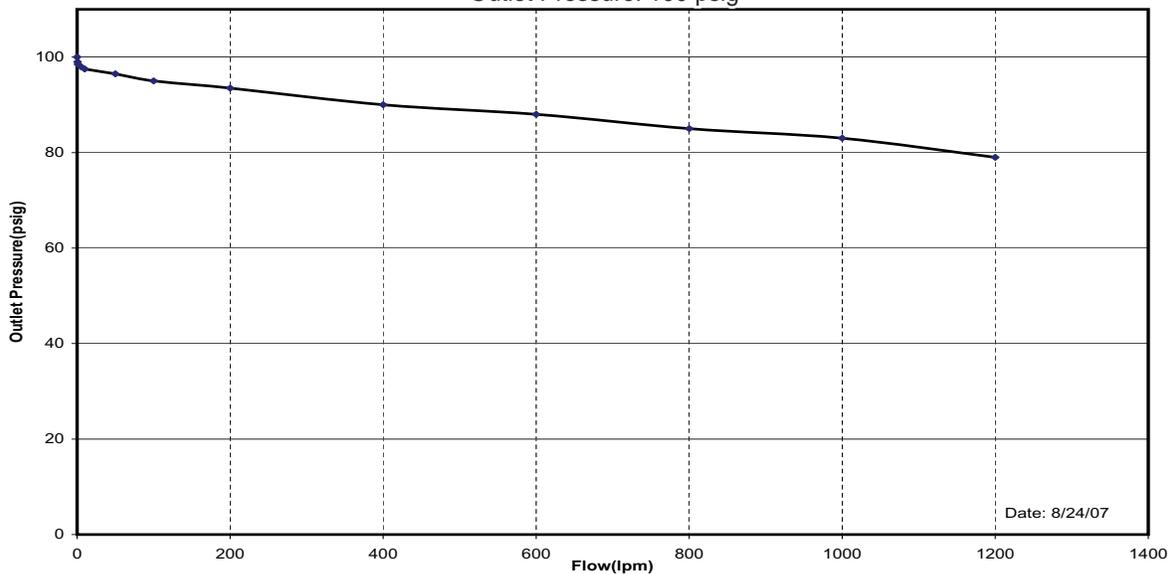
## FLOW CURVE 50 psig

HF1201 Regulator with 3/4" tube fittings  
Inlet Pressure: 100 psig, N2  
Outlet Pressure: 50 psig

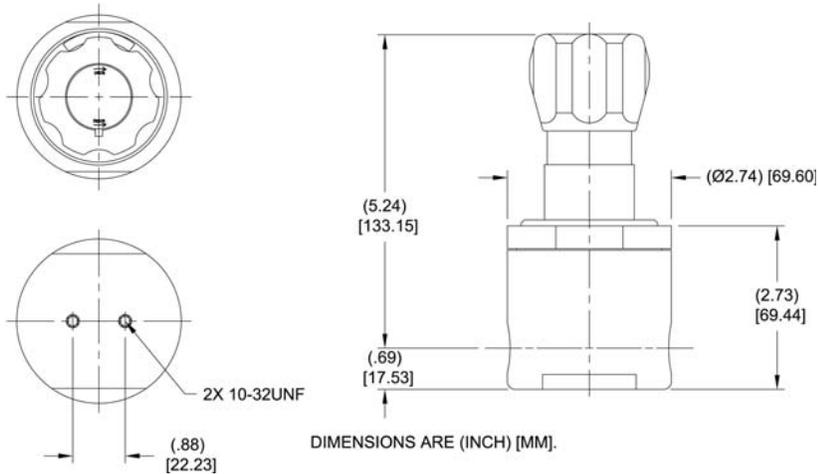


# FLOW CURVE 100 psig

HF1202 Regulator with 3/4" tube fittings  
 Inlet Pressure: 120 psig, N2  
 Outlet Pressure: 100 psig



## DIMENSIONAL DRAWING



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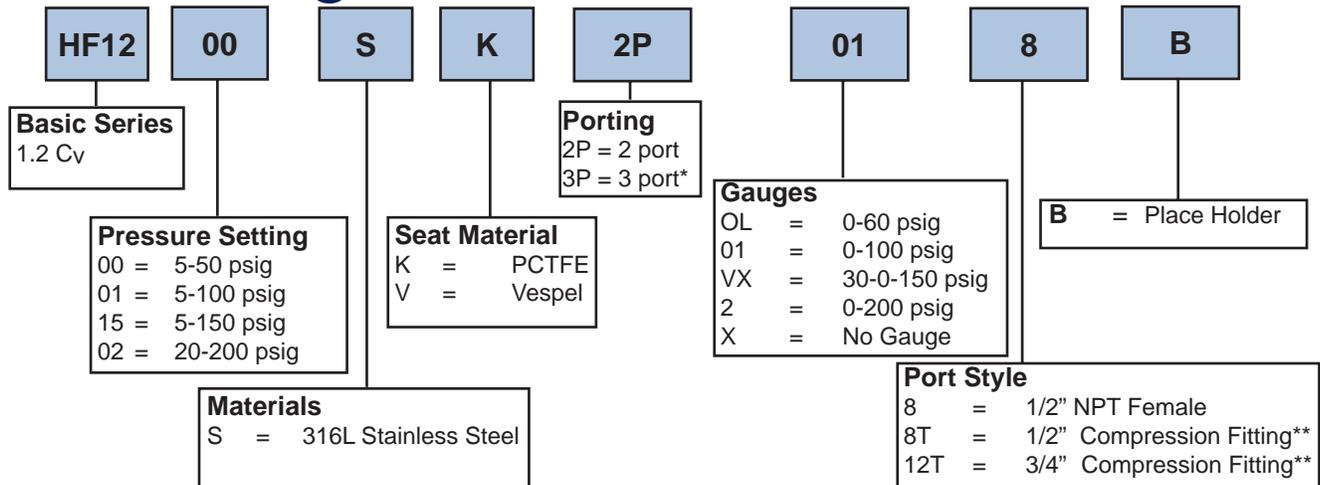
The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.

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# HF 1200 Series Specifications

Materials of Construction		Functional Performance	
<b>Wetted</b>		<b>Design</b>	
Body	316L Stainless Steel	Burst Pressure	3,750 psig (259 barg)
Diaphragm	Hastelloy C-22® Std	Proof Pressure	1,875 psig (129 barg)
Poppet	316L Stainless Steel	<b>Flow Capacity</b>	
Poppet Spring	316 Stainless Steel	Standard	C <sub>v</sub> 1.2
Seat	PCTFE, Vespel®	<i>SEMI Flow Coefficient Test #F-32-0998316L Stainless Steel</i>	
<b>Non-Wetted</b>		<b>Design Leak Rate</b>	
Nut	17-4 Ph	External seal	1 x 10 <sup>-9</sup> scc/sec He (Inboard test method)
Cap	Nickel Plated Brass	Internal seat	Bubble Tight
Knob (Black)	ABS Plastic	<b>Supply Pressure Effect</b>	
<b>Operating Conditions</b>		5.9 psig/100psig	
Maximum Inlet	1,250 psig (86 barg)	<b>Standard Configuration</b>	
Outlet	5-50 psig (3 barg), 5-100 psig (7 barg), 5-150 psig (10 barg), 20-200 psig (14 barg)	1/2" NPT Female	
Temperature:		1/2", 3/4" A-LOK Compression Fittings	
PCTFE	-40°F to 150°F (-40°C to 66°C)	<b>Approx. Weight</b> 4.2 lbs. (1.9 kg)	
Vespel	-40°F to 150°F (-40°C to 66°C)		

## Ordering Information



\* Gauge port standard with 1/4" NPT

\*\* Threaded A-Lok compression fittings

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