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® 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.

Contact Information:

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Product Features:

- High inlet pressure with 1.2 C_V to meet a variety of applications.
- Hastelloy C-22® 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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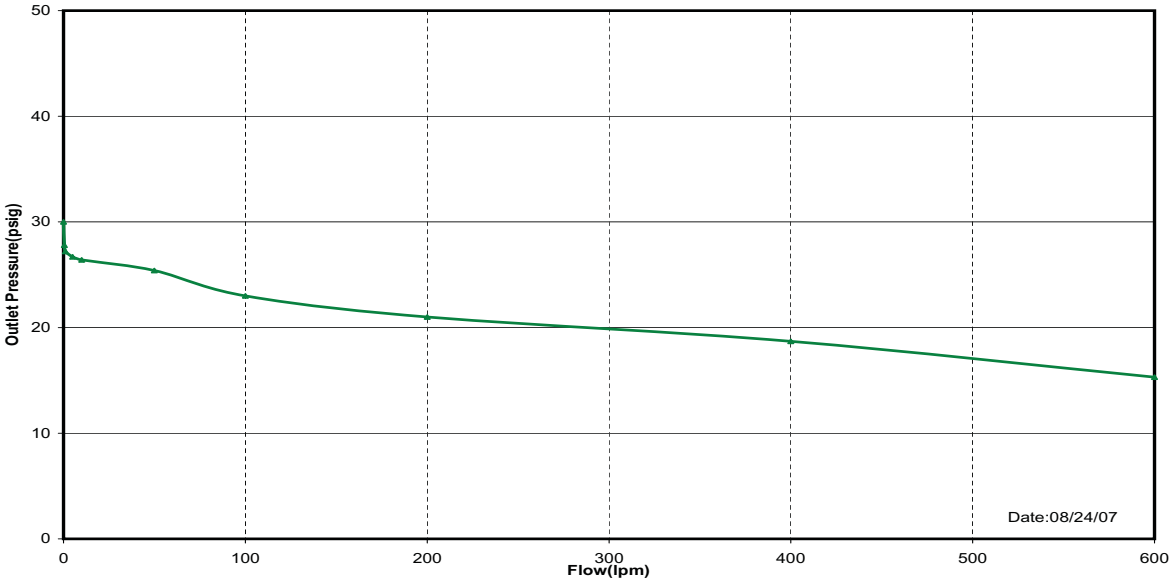
HF1200 SERIES REGULATOR

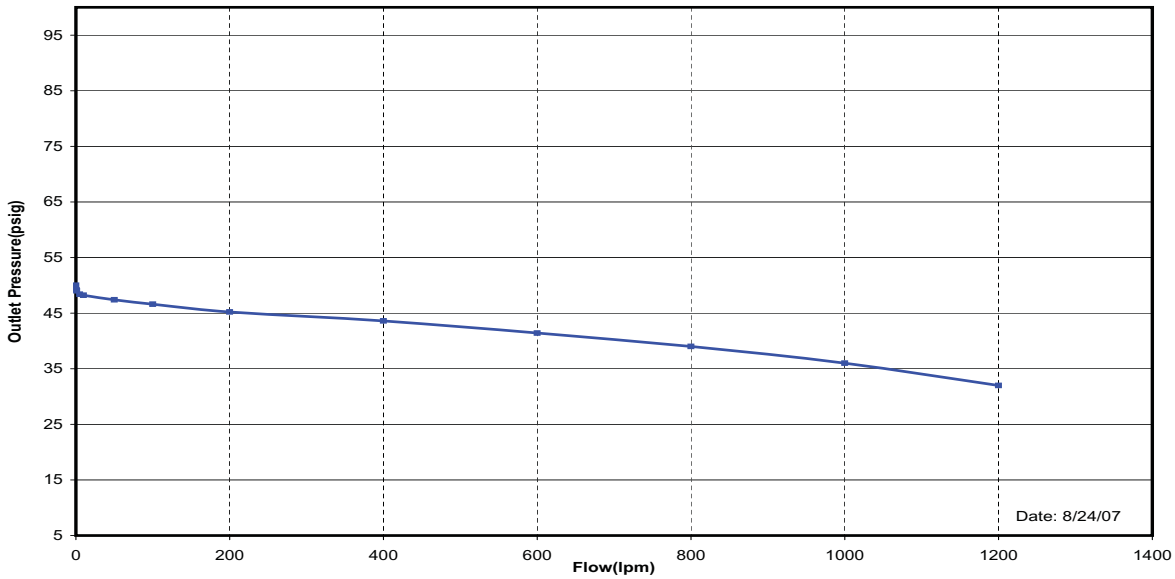
FLOW CURVE 30 psig

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



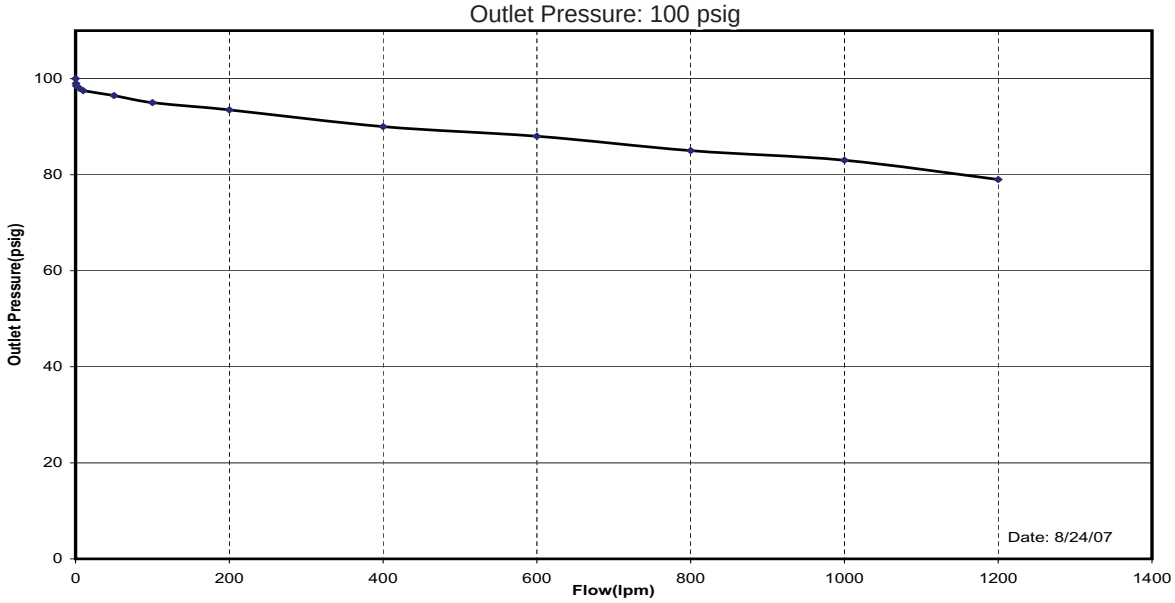
FLOW CURVE 50 psig

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

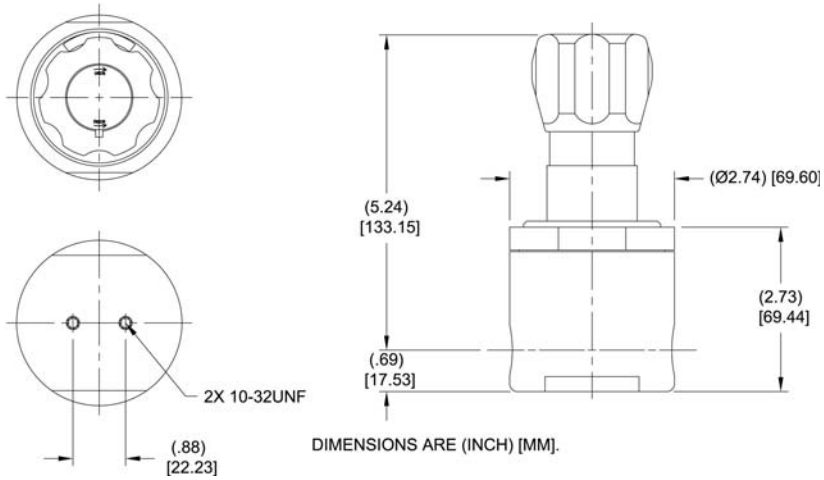


FLOW CURVE 100 psig

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



DIMENSIONAL DRAWING

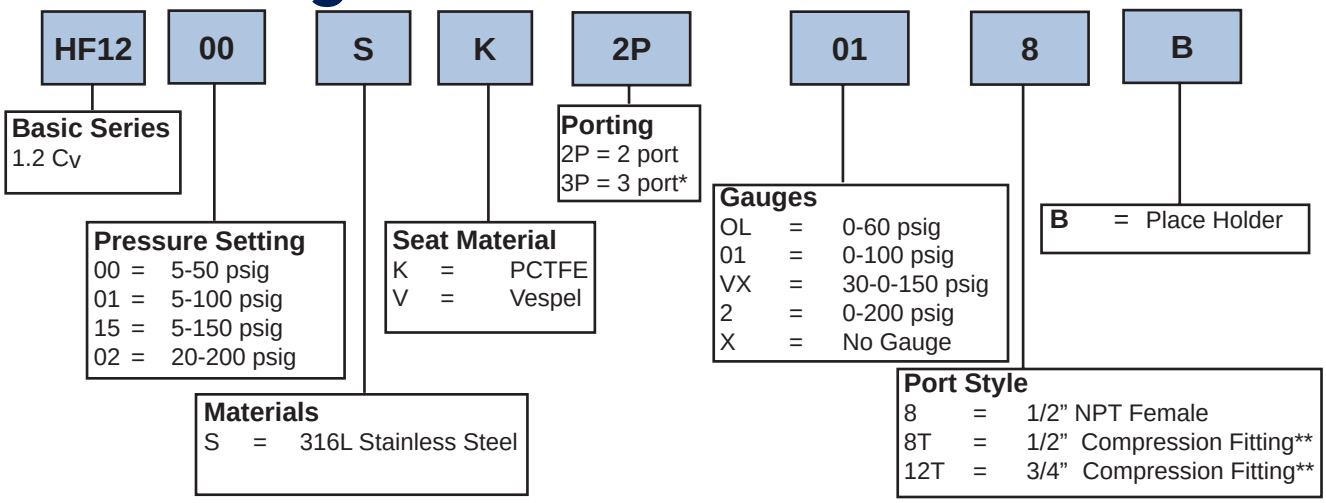


HF 1200 Series Specifications

Materials of Construction	
Wetted	
Body	316L Stainless Steel
Diaphragm	Hastelloy C-22® Std
Poppet	316L Stainless Steel
Poppet Spring	316 Stainless Steel
Seat	PCTFE, Vespel®
Non-Wetted	
Nut	17-4 Ph
Cap	Nickel Plated Brass
Knob (Black)	ABS Plastic
Operating Conditions	
Maximum Inlet	1,250 psig (86 barg)
Outlet	5-50 psig (3 barg), 5-100 psig (7 barg),
	5-150 psig (10 barg), 20-200 psig (14 barg)
Temperature:	
PCTFE	-40°F to 150°F (-40°C to 66°C)
Vespel	-40°F to 150°F (-40°C to 66°C)

Functional Performance	
Design	
Burst Pressure	3,750 psig (259 barg)
Proof Pressure	1,875 psig (129 barg)
Flow Capacity	
Standard	C_V 1.2
SEMI Flow Coefficient Test #F-32-0998316L Stainless Steel	
Design Leak Rate	
External seal	1 x 10^{-9} scc/sec He (Inboard test method)
Internal seat	Bubble Tight
Supply Pressure Effect	
	5.9 psig/100psig
Standard Configuration	
	1/2" NPT Female
	1/2", 3/4" A-LOK Compression Fittings
Approx. Weight	4.2 lbs. (1.9 kg)

Ordering Information



* Gauge port standard with 1/4" NPT
** Threaded A-Lok compression fittings

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