HF1200 & HFT1200 Series

Single-Stage, High-Flow Pressure Regulator

High Sensitivity • Stainless Steel

Value Proposition:

Parker's HF1200 and HFT1200 offering combines high flow capability with high inlet pressure (up to 1,250 psig), resulting in reduced regulator inventories. For hazardous gas applications, the HFT model's tied diaphragm ensures positive shutoff. Both regulators feature a large, convoluted Hastelloy C-22® diaphragm that delivers stable control over their operating ranges.

Contact Information:

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Product Features:

- High inlet pressure with 1.2 Cv to meet a variety of applications
- Hastelloy C-22® diaphragm for high corrosion resistance
- HFT offers a tied diaphragm for positive shutoff
- Large convoluted diaphragm provides stable pressure control
- Seat material selection for media compatibility
- 59% greater effective diaphragm area over competitive products

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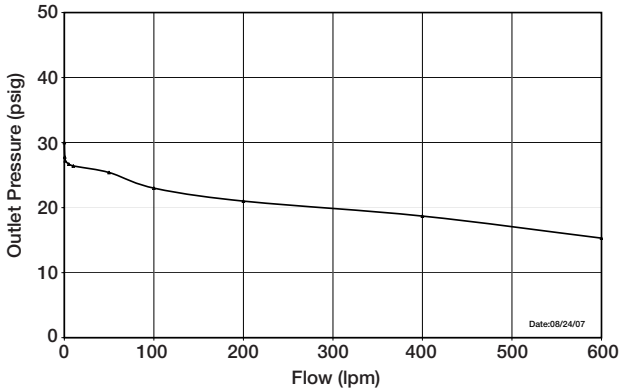
HF1200 & HFT1200 Series

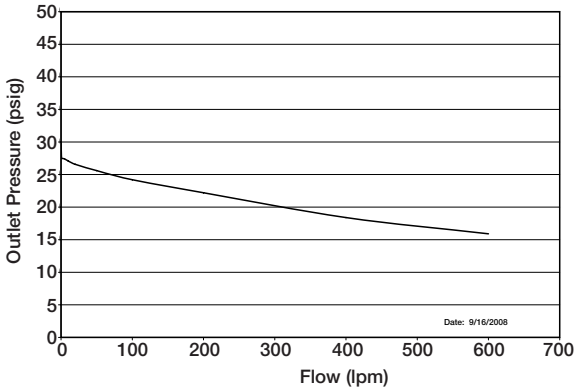
Flow Curves

Additional flow curves available upon request

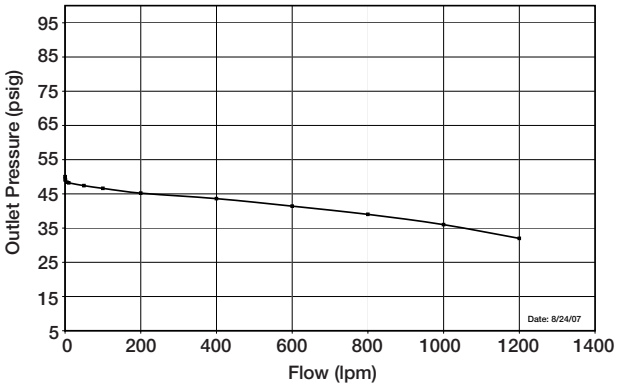
HF1200 Regulator with 3/4" tube fittings
Inlet Pressure: 50 psig, N_2
Outlet Pressure: 30 psig



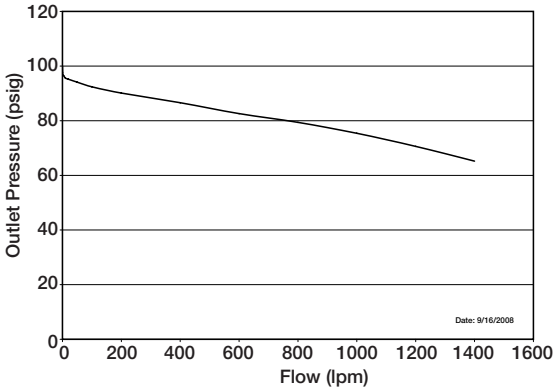
HFT1200 Regulator with 1/2" Face Seal Connections
Inlet Pressure: 50 psig, N_2
Outlet Pressure: 30 psig



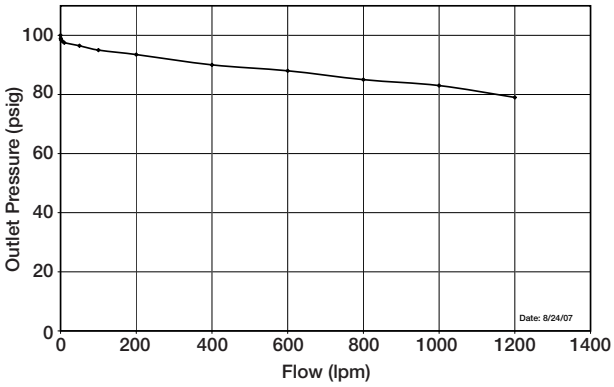
HF1201 Regulator with 3/4" tube fittings
Inlet Pressure: 100 psig, N_2
Outlet Pressure: 50 psig



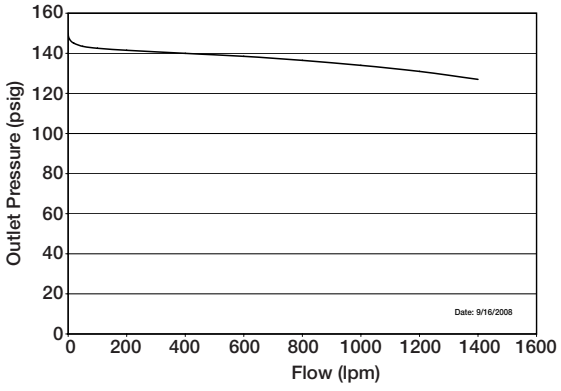
HFT1201 Regulator with 1/2" Face Seal Connections
Inlet Pressure: 120 psig, N_2
Outlet Pressure: 100 psig



HF1202 Regulator with 3/4" tube fittings
Inlet Pressure: 120 psig, N_2
Outlet Pressure: 100 psig



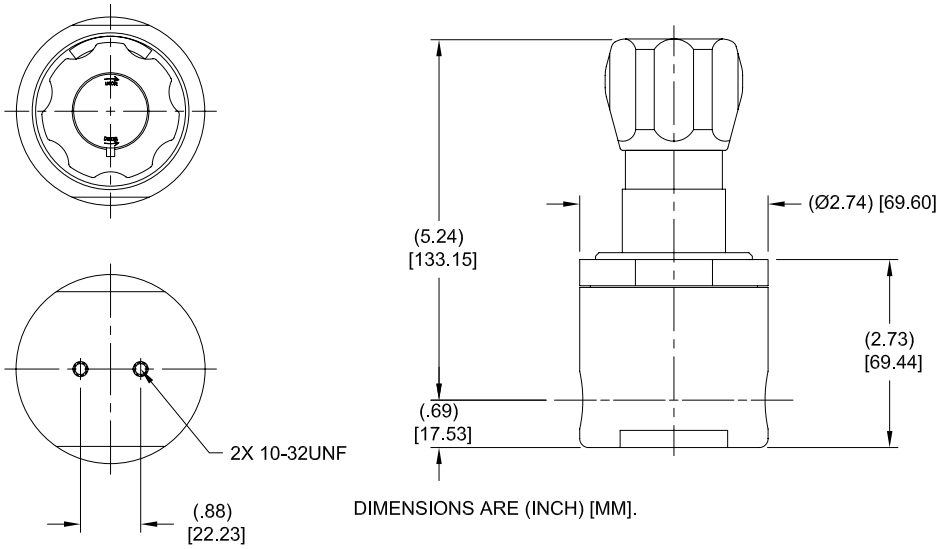
HFT1202 Regulator with 1/2" Face Seal Connections
Inlet Pressure: 600 psig, N_2
Outlet Pressure: 150 psig



Safety Guide and Installation and Operating Instructions available at
www.parker.com/veriflo

HF1200 & HFT1200 Series

Dimensional Drawing



DIMENSIONS ARE (INCH) [MM].

Ordering Information

Build an HF1200 or HFT1200 Series regulator by replacing the numbered symbols with an option from the corresponding tables below.

Contact factory for most up to date lead time information.
Blue = Configurations that have selections in blue may have an extended lead time and a minimum order quantity.

	1	2	3	4	5	6	7	8	9
Sample:	**HFT12**	**01**	**S**	**K**	**3P**	**2**		**8**	**B**

Finished Order: **HFT1201SK3P28B**

1 Basic Series
HF12 (Non-Tied Diaphragm)
HFT12 (Tied Diaphragm)

2 Pressure Range
00 = 5 - 50 psig
01 = 5 - 100 psig
15 = 5 - 150 psig
02 = 20 - 200 psig

3 Body Material
S = 316L Stainless Steel

4 Seat Material
K = PCTFE
V = Vespel®

5 Porting
2P = 2 Ports *No X required for gauges, inlet & outlet ports only*
3P = 3 Ports *One X for gauge port*
4P = 4 Ports *Two X's for gauge port*
4PB = 4 Ports *One X for gauge port*
See Regulator Porting Guide for additional options and port layouts.

6 Outlet Gauge
VX = -30 in Hg 0 - 150 psig *(HFT1200 only)*
OL = 0 - 60 psig
01 = 0 - 100 psig
2 = 0 - 200 psig
X = No Gauge
Additional ranges available upon request

7 Inlet Gauge
20 = 0 - 2,000 psig
X = No Gauge
Additional ranges available upon request

8 Port Style
8 = 1/2" NPT Female
8T = 1/2" A-LOK®
12T = 3/4" A-LOK®
1/4" NPT Gauge Ports are Standard
Any other Gauge Port Configuration may have an extended lead time.

9 Place Holder
B = Place Holder

HF1200 & HFT1200 Series

Specifications

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

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

Functional Performance	
Design	
Burst Pressure	3,750 psig (259 barg)
Proof Pressure	1,875 psig (129 barg)
Flow Capacity	C_V 1.2
Leak Rate	
Internal	Bubble Tight
External	Bubble Tight
Supply Pressure Effect	5.4 psig / 100 psig
Approx. Weight	4.2 lbs. (1.9 kg)
Surface Finish	10 micro-inch Ra

Use mobile device to scan this QR Code.

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