

HF1200W & HFT1200W Series

UHP Single Stage, Pressure Regulator
High Flow, Welded, Stainless Steel

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

Value Proposition:

The HF1200 and HFT1200 regulators offer 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.

The HFT1200's tied diaphragm provides positive shut off for hazardous gas applications.



Contact Information:

Parker Hannifin Corporation
Veriflo Division
250 Canal Blvd
Richmond, California 94804

phone 510 235 9590
fax 510 232 7396
veriflo.sales@parker.com

www.parker.com/veriflo
Mobile App: m.parker.com/veriflo

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 shut off
- Large convoluted diaphragm provides stable pressure control
- Seat material selection for media compatibility
- 59% greater effective diaphragm area over competitive products
- HFT offers Hastelloy trim for corrosive applications
- Standard full internal electropolish



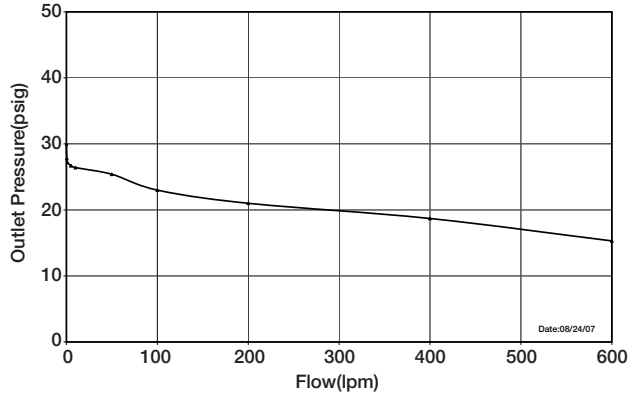
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HF1200W & HFT1200W Series

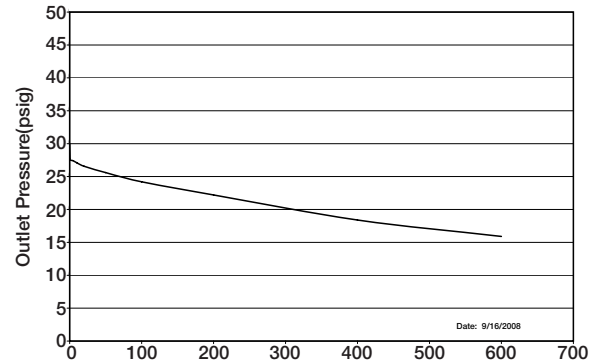
Flow Curves

Additional flow curves available upon request

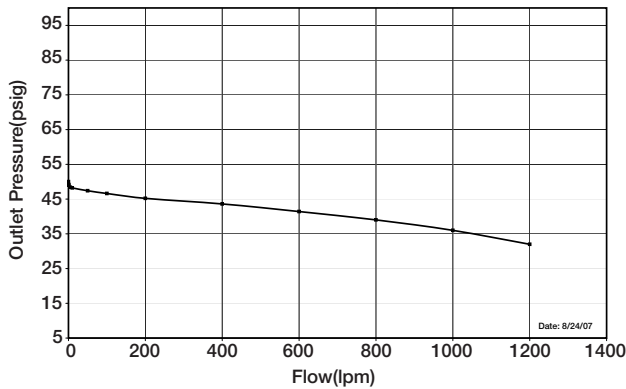
HF1200 Regulator with 3/4" tube fittings
Inlet Pressure: 50 psig, N2
Outlet Pressure: 30 psig



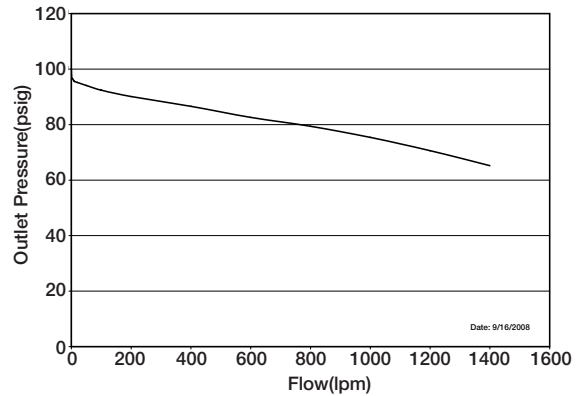
HFT1200 Regulator with 1/2" Face Seal Connections
Inlet Pressure: 50 psig, N2
Outlet Pressure: 30 psig



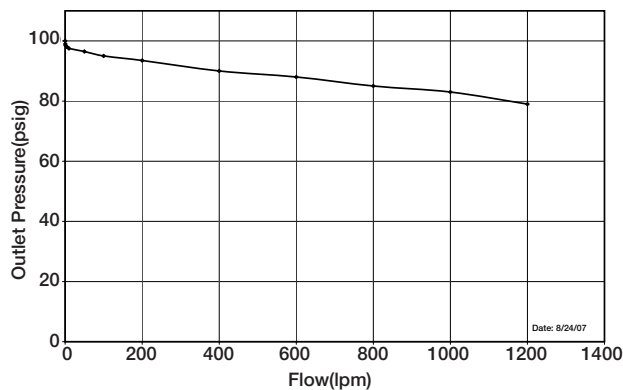
HF1201 Regulator with 3/4" tube fittings
Inlet Pressure: 100 psig, N2
Outlet Pressure: 50 psig



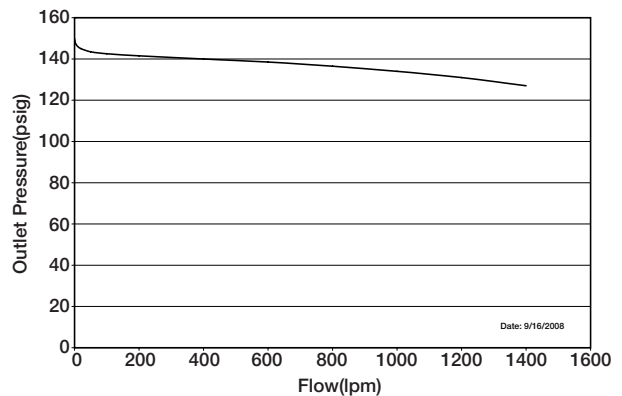
HFT1201 Regulator with 1/2" Face Seal Connections
Inlet Pressure: 120 psig, N2
Outlet Pressure: 100 psig



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



HFT1202 Regulator with 1/2" Face Seal Connections
Inlet Pressure: 600 psig, N2
Outlet Pressure: 150 psig

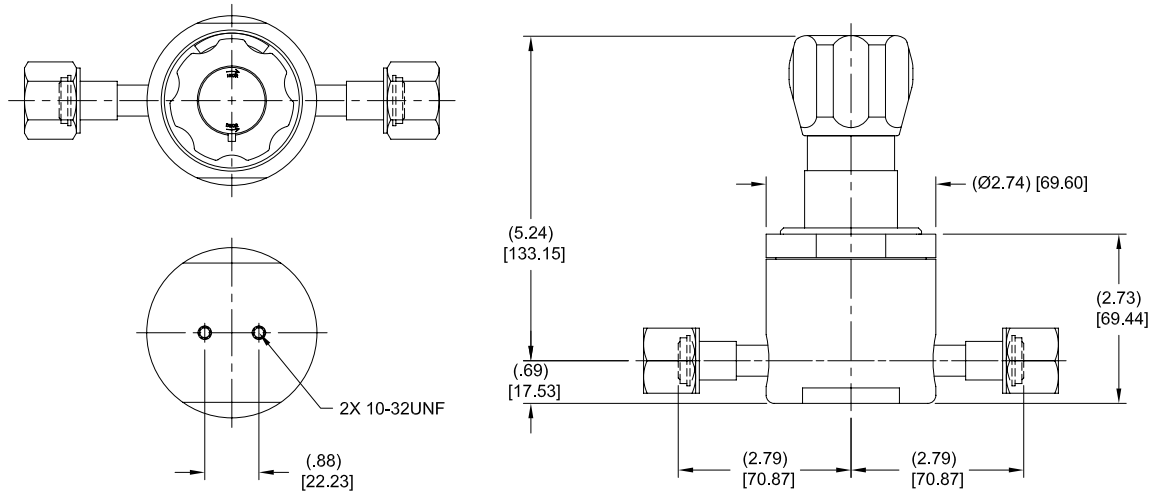


Safety Guide and Installation and Operating Instructions available at

www.parker.com/veriflo

HF1200W & HFT1200W Series

Dimensional Drawing



DIMENSIONS ARE (INCH) [MM].

Ordering Information

Build a HF1200W or HFT1200W 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.

Sample: **HFT12 00 W K 3P OL 7 FS8 FMF**
 Finished Order: **HFT1200WK3POLFS8FMF**

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

2 Pressure Ranges

Range	3P Outlet Gauge
00 = 5 - 50 psig	
01 = 5 - 100 psig	01
15 = 5 - 150 psig	2
02 = 20 - 200 psig	2

3 Body Material
 W = Welded 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 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 *Standard only with 1/4" FS-M Gauge Port*
 01 = 0 - 100 psig *Standard only with 1/4" FS-M Gauge Port*
 2 = 0 - 200 psig *Standard only with 1/4" FS-M Gauge Port*
 X = No Gauge

Additional ranges available upon request

7 Inlet Gauge
 20 = 0 - 2000 psig
 X = No Gauge
Additional ranges available upon request

8 Port Style
 8T = 1/2" A-LOK®
 12T = 3/4" A-LOK®
 FS8 = 1/2" Face Seal
 FS12 = 3/4" Face Seal
 TS8 = 1/2" Tube Stub
 TS12 = 3/4" Tube Stub

9 Port Configuration
 M = Male
 F = Female
 I = Internal Face Seal
1/4" FS-M Gauge Ports are Standard
Any other Gauge Port Configuration may have an extended lead time.

HF1200W & HFT1200W 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	
PCTFE	-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	C _v 1.2
Leak Rate	
Internal	Bubble Tight at 70 psig minimum
External	< 1 x 10 ⁻⁹ scc/sec He Inboard Test Method
Supply Pressure Effect	5.4 psig / 100 psig
Approx. Weight	4.2 lbs. (1.9 kg)
Surface Finish	10 micro inches Ra

Vespel® is a registered trademark of DuPont Performance Elastomers L.L.C.
Hastelloy C-22® is a registered trademark of Haynes International, Inc.
A-LOK® is a registered trademark of Parker Hannifin Corporation

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

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Proposition 65 Warning: This product contains chemicals known to the state of California to cause cancer or birth defects or other reproductive harm.

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LitPN: 25000217 Rev: H Date of Issue 09/2016



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