

HF1200W Series

High Flow Welded Regulator

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

Customer 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.

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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 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.

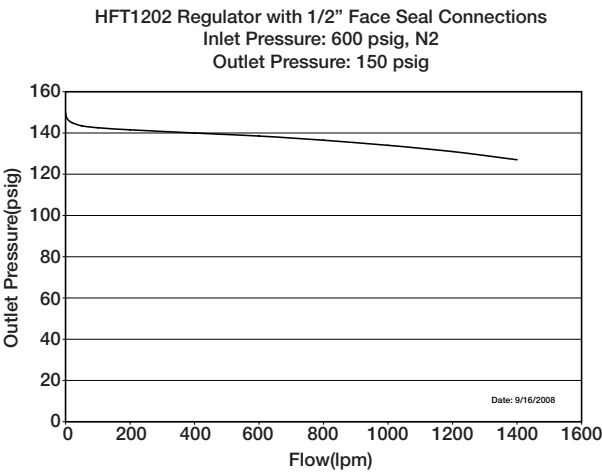
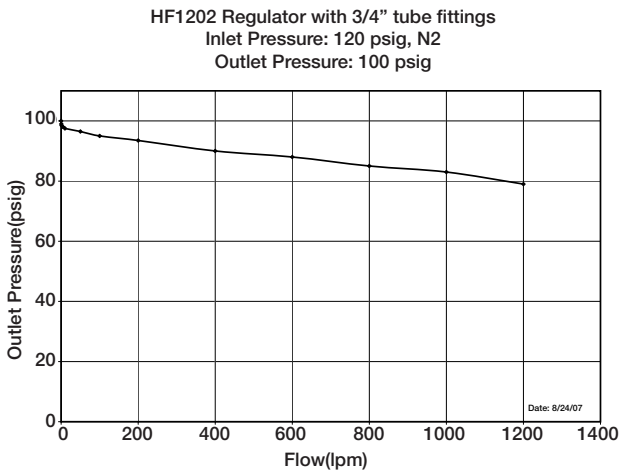
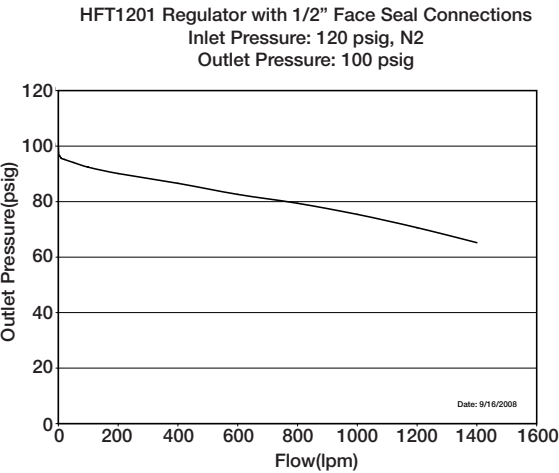
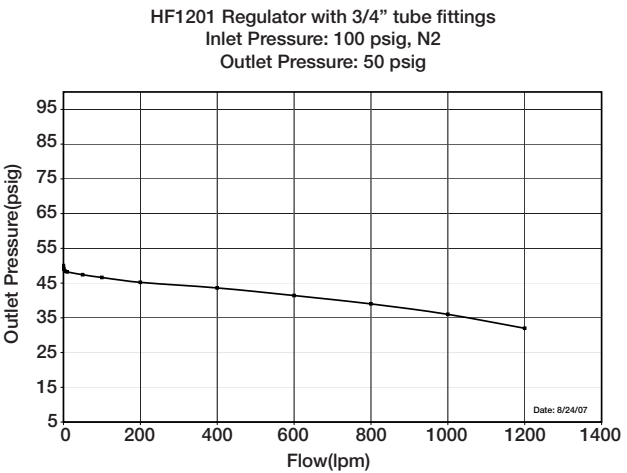
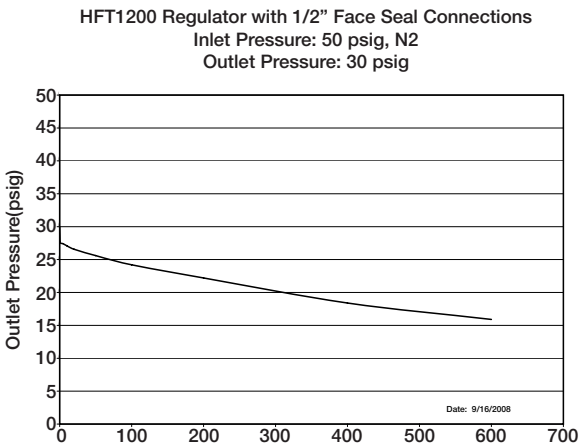
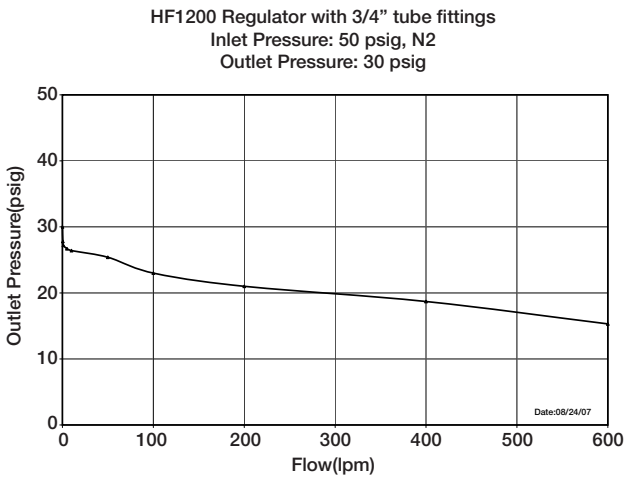


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HF1200W & HFT1200W

Flow Curves

Additional flow curves available upon request



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

HF1200W & HFT1200W

Ordering Information

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

1

2

3

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

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
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

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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

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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

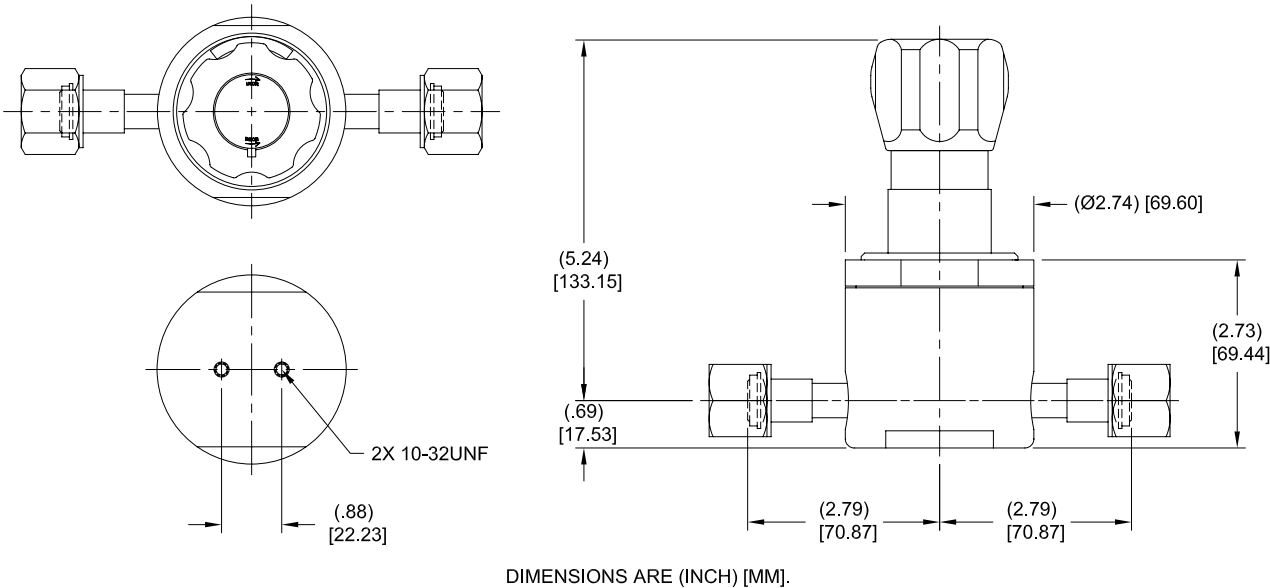
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Port Configuration
M = Male
F = Female
I = Internal Face Seal
1/4" FS-M Gauge Ports are Standard

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Options
TH = Hastelloy Trim *- HFT1200 only.*
Includes Hastelloy C-22® poppet, seat retainer and Inconel X750® poppet spring

Dimensional Drawing



HF1200W & HFT1200W

Specifications

Materials of Construction	
Wetted	
Body	316L Stainless Steel
Diaphragm	Hastelloy C-22®
Poppet Options	316L Stainless Steel (std) or Hastelloy C-22®
Poppet Spring Options	316L Stainless Steel (std) or Inconel X750®
Seat Retainer	316L Stainless Steel (std) or Hastelloy C-22®
Seat	PCTFE (std) or Vespel®
Non-wetted	
Cap	Nickel Plated Brass
Nut	17 - 4 PH
Knob (Black)	ABS
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)

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 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	Standard Ra 10 micro inches

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

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