

# 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:

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 shutoff
- Large convoluted diaphragm provides stable pressure control
- Seat material selection for media compatibility
- 59% greater effective diaphragm area over competitive products



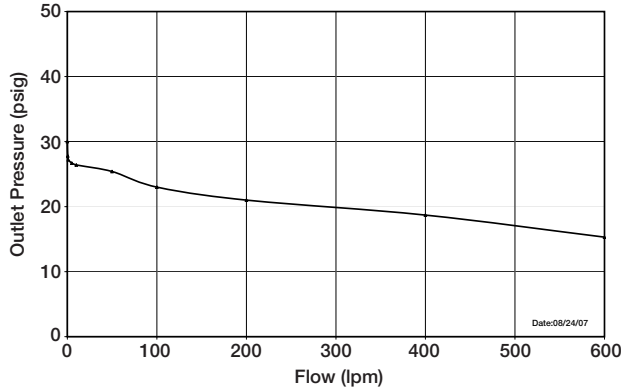
ENGINEERING YOUR SUCCESS.

# HF1200 & HFT1200 Series

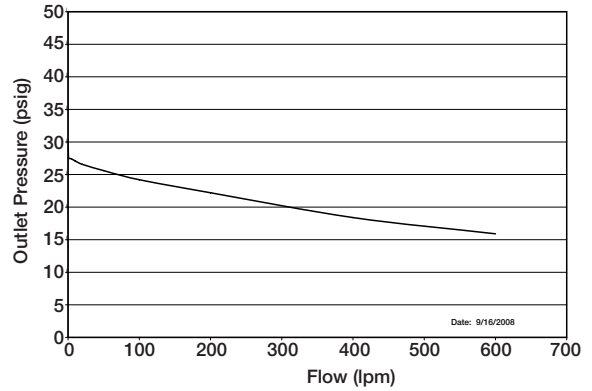
## Flow Curves

Additional flow curves available upon request

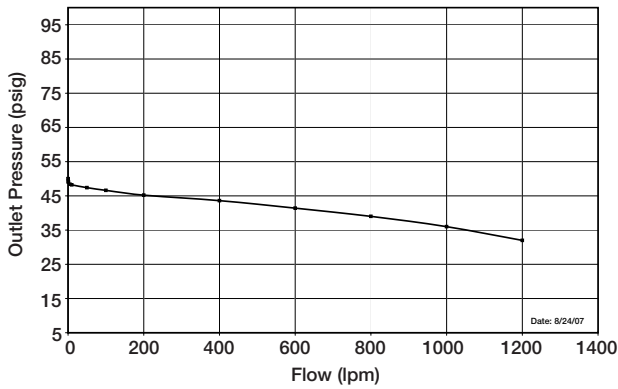
HF1200 Regulator with 3/4" tube fittings  
Inlet Pressure: 50 psig, N<sub>2</sub>  
Outlet Pressure: 30 psig



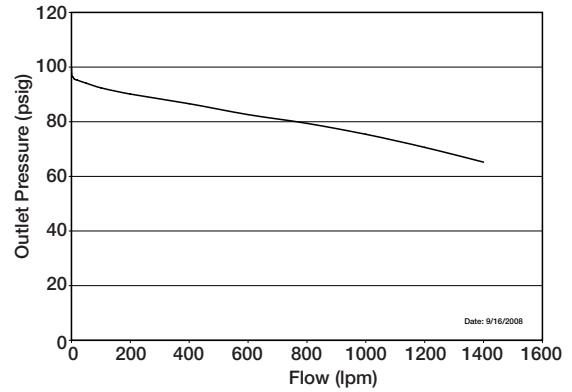
HFT1200 Regulator with 1/2" Face Seal Connections  
Inlet Pressure: 50 psig, N<sub>2</sub>  
Outlet Pressure: 30 psig



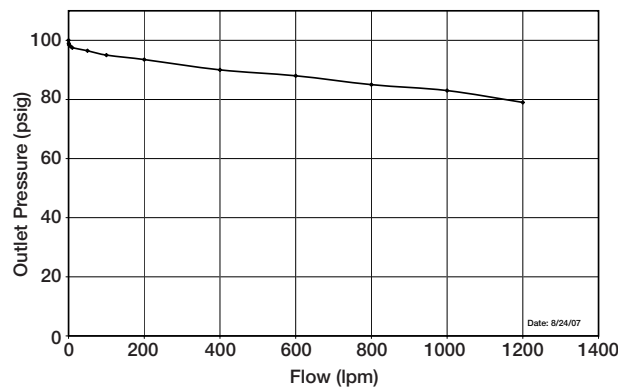
HF1201 Regulator with 3/4" tube fittings  
Inlet Pressure: 100 psig, N<sub>2</sub>  
Outlet Pressure: 50 psig



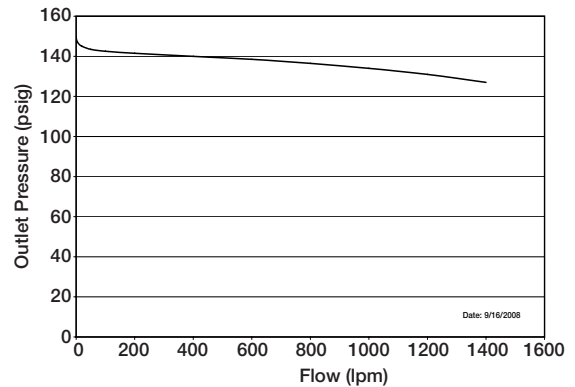
HFT1201 Regulator with 1/2" Face Seal Connections  
Inlet Pressure: 120 psig, N<sub>2</sub>  
Outlet Pressure: 100 psig



HF1202 Regulator with 3/4" tube fittings  
Inlet Pressure: 120 psig, N<sub>2</sub>  
Outlet Pressure: 100 psig



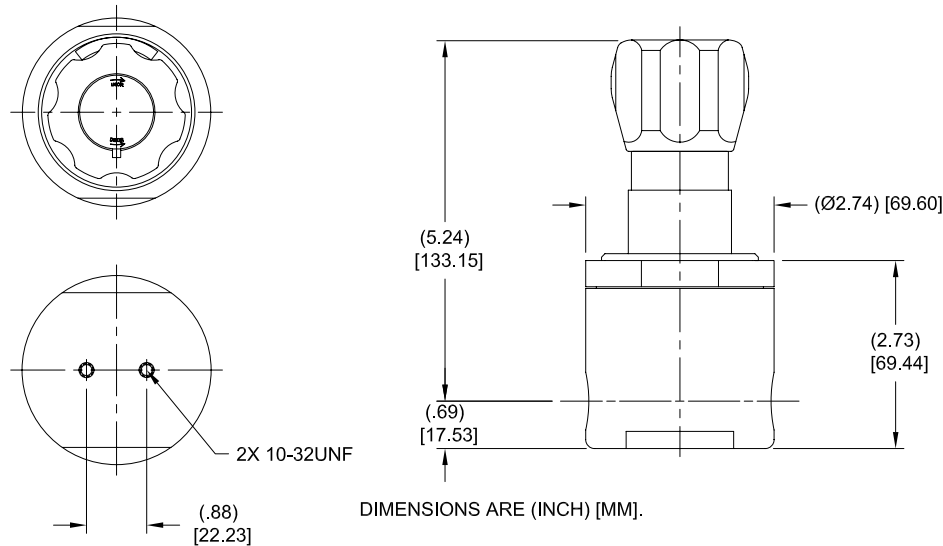
HFT1202 Regulator with 1/2" Face Seal Connections  
Inlet Pressure: 600 psig, N<sub>2</sub>  
Outlet Pressure: 150 psig



Safety Guide and Installation and Operating Instructions available at  
[www.parker.com/veriflo](http://www.parker.com/veriflo)

# HF1200 & HFT1200 Series

## Dimensional Drawing



## 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.

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	
<b>Wetted</b>	
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®
<b>Non-wetted</b>	
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)

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

### OFFER OF SALE:

The items described in this document are hereby offered for sale by Parker Hannifin Corporation, its subsidiaries or its authorized distributors. This offer and its acceptance are governed by the provisions stated in the detailed "Offer of Sale" elsewhere in this document or available at [www.parker.com/veriflo](http://www.parker.com/veriflo)

### WARNING USER RESPONSIBILITY

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE. THIS DOCUMENT IS FOR REFERENCE ONLY. PLEASE CONSULT FACTORY FOR LATEST PRODUCT DRAWINGS AND SPECIFICATIONS.

This document and other information from Parker Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.

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.

To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

The products described herein, including without limitation, product features, specifications, designs, availability and pricing are subject to change by Parker Hannifin Corporation and its subsidiaries at any time without notice.

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

©2009 Parker Hannifin Corporation



Use mobile device to scan this QR Code.

LitPN: 25000198 Rev: M Date of Issue 09/2016



ENGINEERING YOUR SUCCESS.