

HF 1200 Series

High Flow Welded 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:

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

Product Features:

- High inlet pressure with 1.2 C_v to meet a variety of applications.
- Hastelloy C-22[®] diaphragm for high corrosion resistance
- Large convoluted diaphragm provides stable pressure control.
- Seat material selection for media compatibility
- 59% greater effective diaphragm area over competitive products.

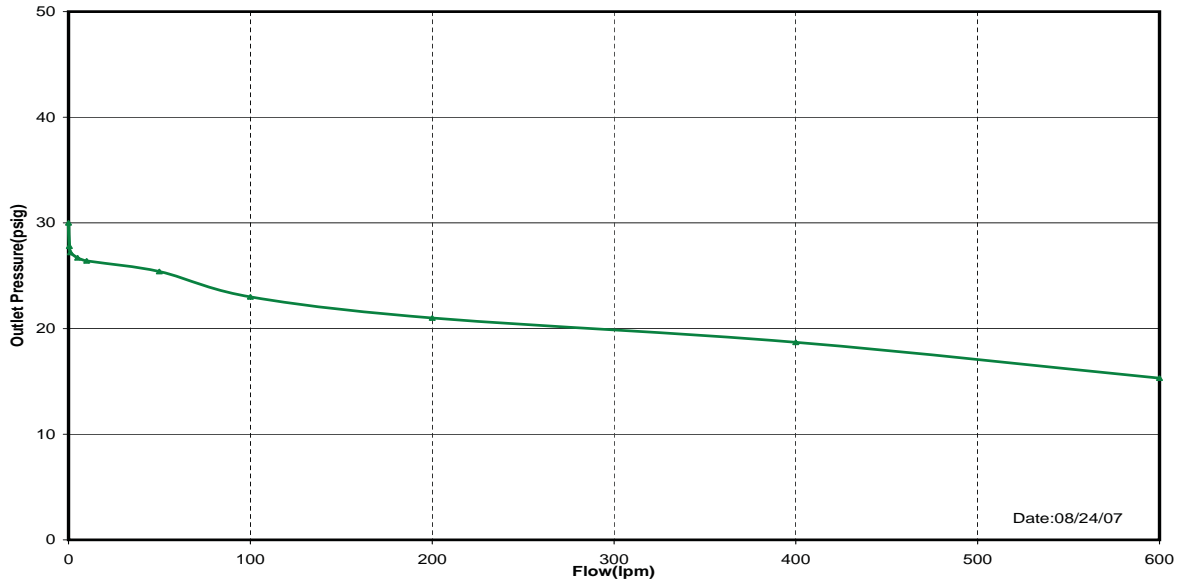


ENGINEERING YOUR SUCCESS.

HF1200 SERIES REGULATOR

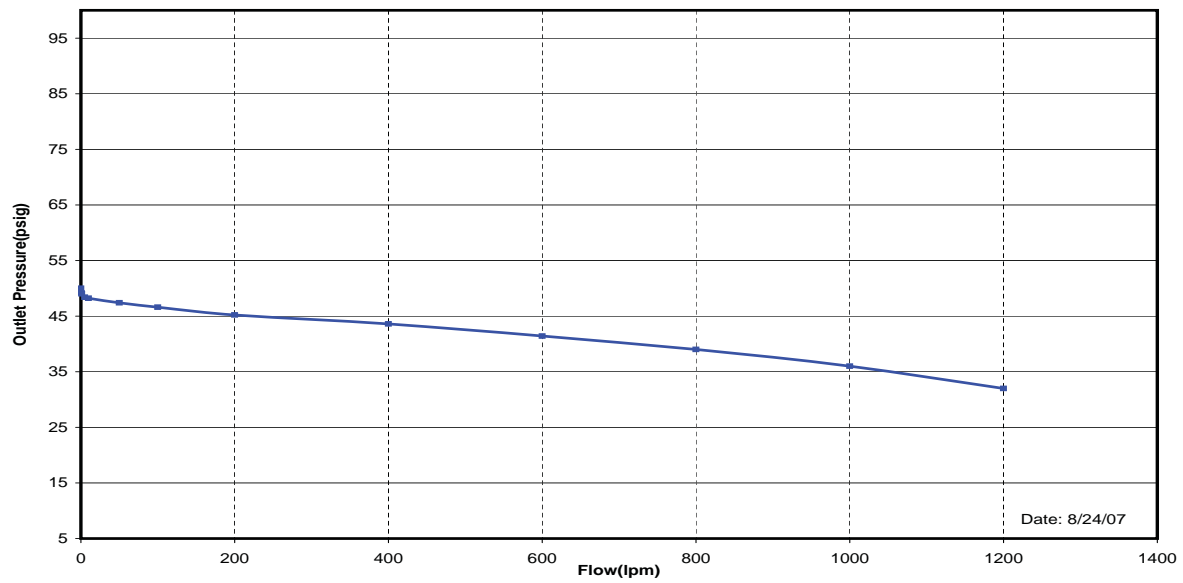
FLOW CURVE 30 psig

HF1200 Regulator with 1/2" Face Seal Connections
Inlet Pressure: 50 psig, N2
Outlet Pressure: 30 psig



FLOW CURVE 50 psig

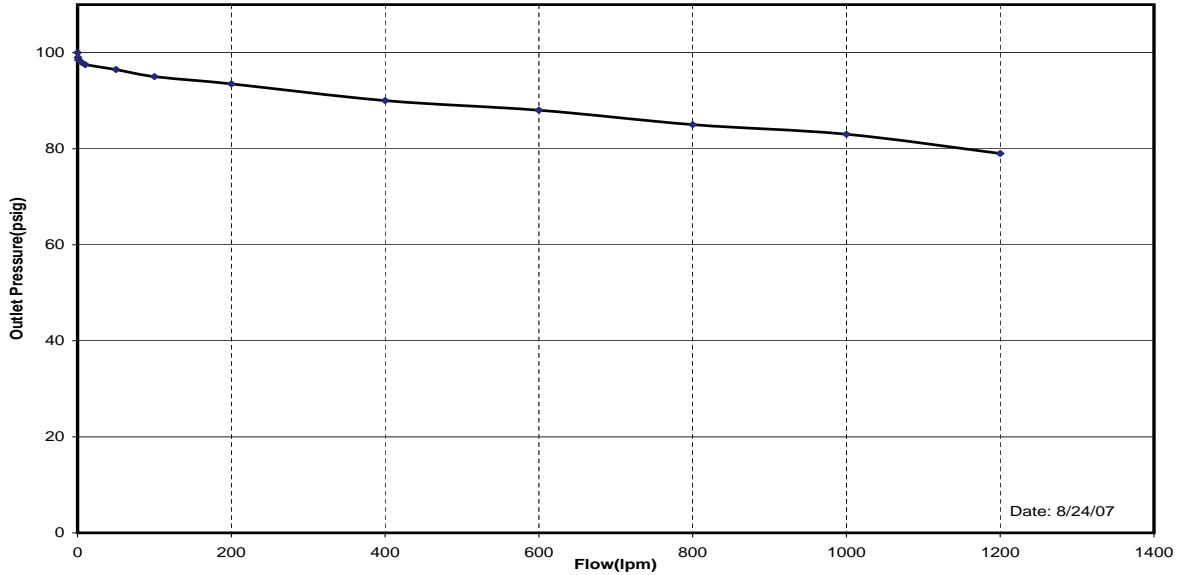
HF1200 Regulator with 1/2" Face Seal Connections
Inlet Pressure: 100 psig, N2
Outlet Pressure: 50 psig



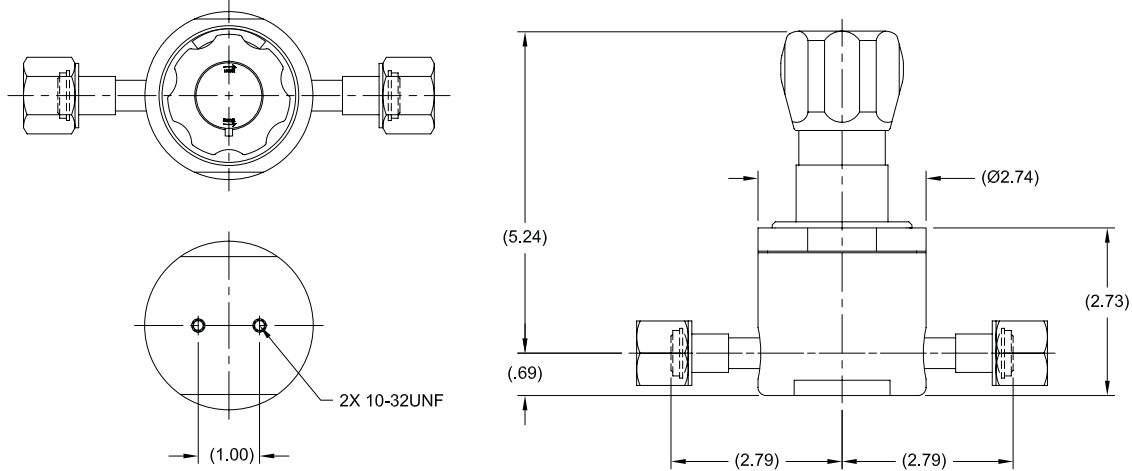
Safety Guide and Installation and Operating instructions available at
www.parker.com/veriflo

FLOW CURVE 100 psig

HF1201 Regulator with 1/2" Face Seal Connections
 Inlet Pressure: 120 psig, N2
 Outlet Pressure: 100 psig



DIMENSIONAL DRAWING



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

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 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.

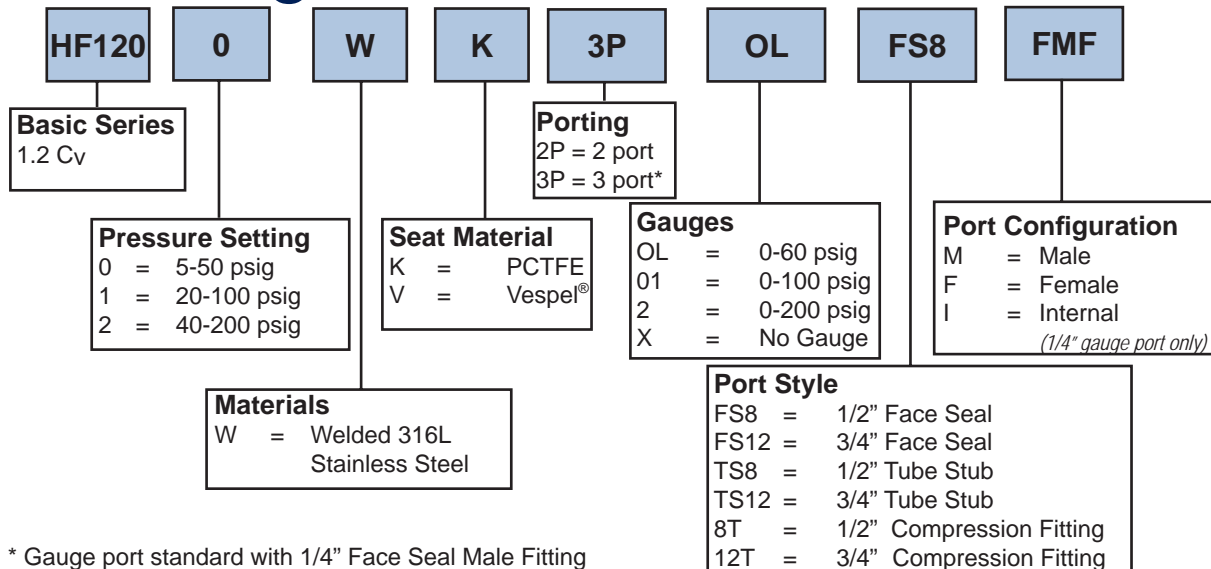
The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, 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.

HF 1200 Series Specifications

Materials of Construction		Functional Performance	
Wetted		Design	
Body	316L Stainless Steel	Burst Pressure	3,750 psig (259 barg)
Diaphragm	Hastelloy C-22 [®] Std	Proof Pressure	1,875 psig (129 barg)
Poppet	316L Stainless Steel	Flow Capacity	
Poppet Spring	316 Stainless Steel	Standard	C _v 1.2
Seat	PCTFE, Vespel [®]	SEMI Flow Coefficient Test #F32-0998	
Non-Wetted		Design Leak Rate	
Nut	17-4 PH	External seal	1 x 10 ⁻⁹ scc/sec He (Inboard test method)
Cap	Nickel Plated Brass	Internal seat	Bubble Tight
Knob (Black)	ABS Plastic	Supply Pressure Effect	
Operating Conditions		5.4 psig/100psig	
Maximum Inlet	1,250 psig (86 barg)	Standard Configuration	
Outlet	5-50 psig (3 barg), 20-100 psig (7 barg), 40-200 psig (14 barg)	1/2", 3/4" Tube Stub	
Temperature:		1/2", 3/4" Parker Face Seal Fittings	
PCTFE	-40°F to 150°F (-40°C to 66°C)	1/2" Parker A-LOK [®]	
Vespel	-40°F to 150°F (-40°C to 66°C)	Approx. Weight 4.2 lbs. (1.9 kg)	
		Surface Finish Standard Ra 10 micro inches	

Ordering Information



© 2007 Parker Hannifin Corporation

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

LitPN: 25000197

Date of Issue 03/2008



ENGINEERING YOUR SUCCESS.