

XPR Series

Single Stage, High Pressure Regulator
Stainless Steel or Brass



Value Proposition:

The XPR Series High Pressure Regulator safely reduces pressures from 10,000 psig (6,000 psig on the brass unit) inlet, down to as low as 50 psig by utilizing seven (7) different ranges.

The self-relieving feature comes standard, with a non-self relieving option available.



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:

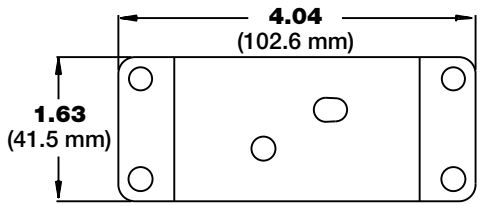
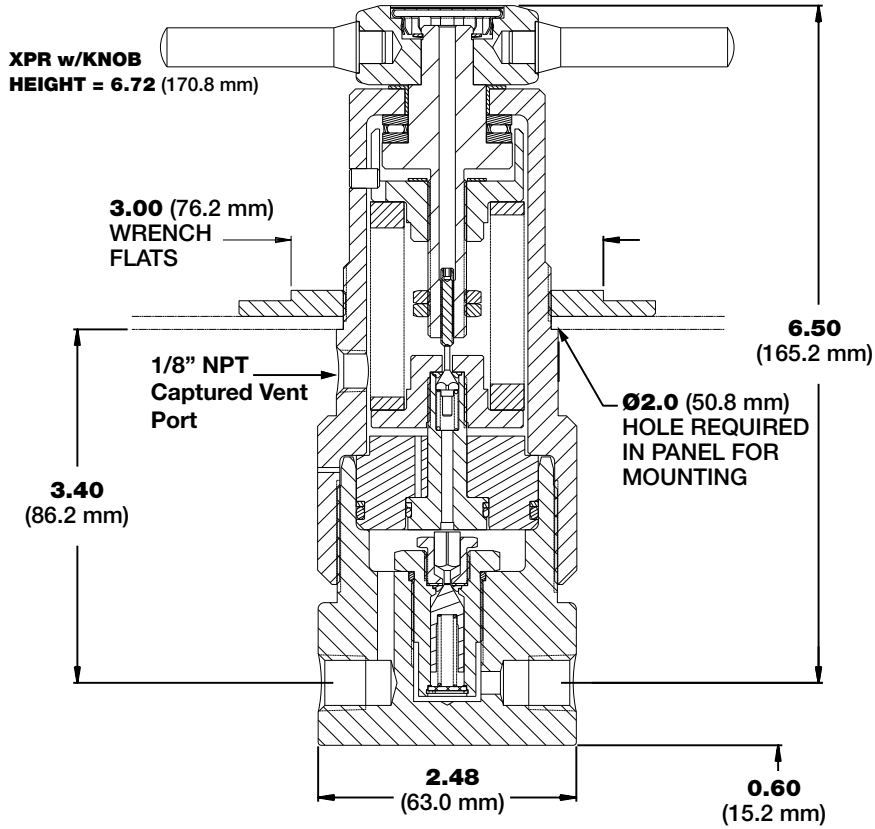
- Bonnet assembly allows easy changeout.
- Self relieving adjustment with allen wrench.
- Self relieving allows downstream pressure to be vented through regulator.
- Cleaned for O₂ service.
- Seven range assemblies available.



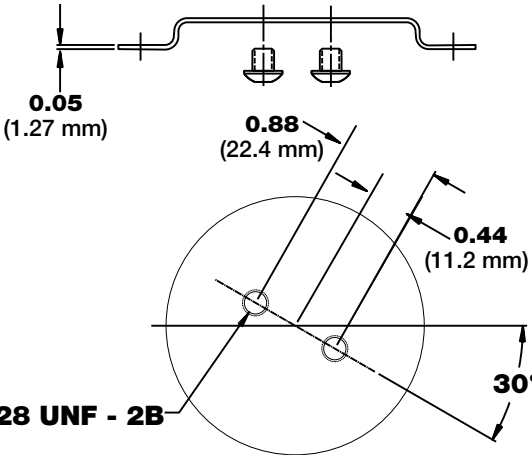
ENGINEERING YOUR SUCCESS.

XPR Series

Dimensional Drawing



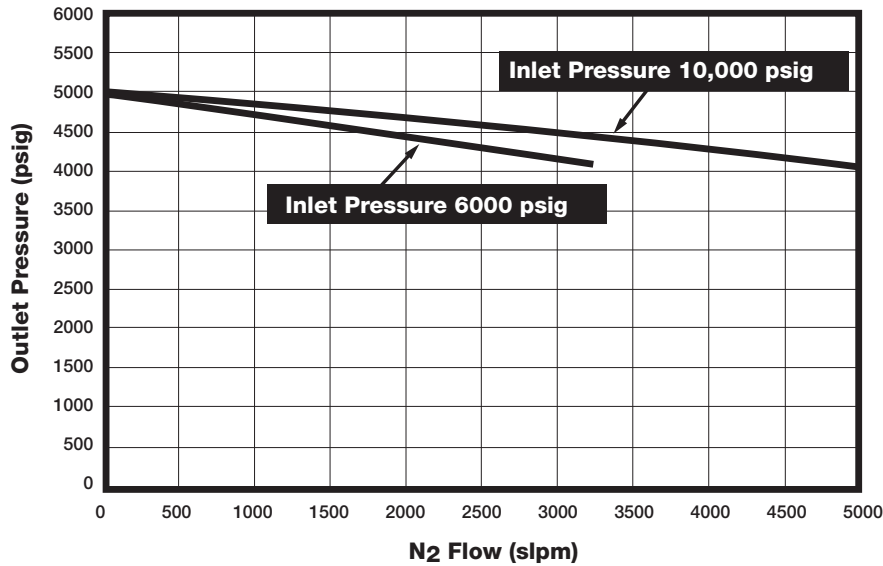
**Mounting Plate Assembly
(Includes 2 Screws)
Part Number: 40400450**



XPR Series

Flow Curve

Additional flow curves available upon request



Ordering Information

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

Color Explanations: Black = Standard Lead Time Configurations
 Blue = Extended Lead Time Configurations
 Green *Italic* = Express Service Program (ESP)

For an explanation of Ordering options please reference literature 25000275 at www.parker.com/veriflo

Sample: **XPR** **S** **15** **3P** **20** **60** **4** **O** **T**

Finished Order: **XPRS153P206040T**

- 1 Body Material**
S = 316L Stainless Steel *10,000 psig max inlet*
B = Brass *6,000 psig max inlet*
- 2 Range** **Outlet Gauge**
5 = 50-500 psig 0-600 psig
8 = 50-800 psig 0-1000 psig
15 = 100-1,500 psig 0-2000 psig
25 = 135-2,500 psig 0-3000 psig
40 = 200-4,000 psig 0-6000 psig
60 = 300-6,000 psig 0-6000 psig
100 = 500-10,000 psig* 0-10000 psig
**Available with Stainless Steel body material only*

- 3 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 ports*
4PB = 4 Ports *One X for gauge port*
See Regulator Porting Guide for additional options and port layouts

- 4 Outlet Gauge**
6 = 0 - 600 psig
10 = 0 - 1,000 psig
20 = 0 - 2,000 psig
30 = 0 - 3,000 psig
60 = 0 - 6,000 psig
100 = 0 - 10,000 psig
Additional ranges available upon request

- 5 Inlet Gauge**
60 = 0 - 6,000 psig *Std*
100 = 0 - 10,000 psig *Std for 100 range option*
Additional ranges available upon request

- 6 Port Style**
2 = 1/8" NPT Female
4 = 1/4" NPT Female
6 = 3/8" NPT Female
1/4" NPT Female Gauge Ports are Standard

- 7 O-ring Material**
O = FKM

- 8 Optional Features**
This section can have multiple options
N = Non-self relieving
Q = Nickel Plate *Brass body material only*
T = Tee Bar Handle

Note: Panel Mount Option:
Order Panel Nut Ring p/n: 40400440 as a separate line item.

XPR Series

Specifications

Materials of Construction		
Wetted		
Body Options	316L Stainless Steel (std) or Brass	
Seat	Vespel®	
Piston	316L Stainless Steel	
Poppet	316L Stainless Steel	
Poppet Spring	316 Stainless Steel	
O-rings	FKM	
O-ring Back-up	PTFE	
Self-relieving Seat	Vespel®	
Non-wetted		
Cap Options	316L Stainless Steel (std) or Nickel Plated Brass	
Tee Handle	Nickel Plated Brass	
Knob	ABS (Black)	
Operating Conditions		
	Stainless Steel	Brass
Maximum Inlet	10,000 psig (690 barg)	6,000 psig (414 barg)
Outlet Options	50-500 psig (3.5-34.5 barg)	
	50-800 psig (3.5-55.2 barg)	
	100-1,500 psig (7-103.4 barg)	
	135-2,500 psig (9.3-172.4 barg)	
	200-4,000 psig (17-276 barg)	
	300-6,000 psig (20.7-414 barg)	
	500-10,000 psig (34.5-690 barg)	<i>not available for brass bodies</i>
Temperature	-40°F to 150°F (-40°C to 66°C)	

Functional Performance		
Design	Stainless Steel	Brass
Burst Pressure	30,000 psig (2,070 barg)	18,000 psig (1,240 barg)
Proof Pressure	15,000 psig (1,035 barg)	9,000 psig (620 barg)
Leak Rate		
Internal	Bubble Tight	
External	Bubble Tight	
Flow Capacity	C _v 0.07	
Internal Volume	Self Relieving	Non-Self Relieving
	0.853 in ³ (13.99 cm ³)	0.831 in ³ (13.62 cm ³)
Approx. Weight	6.5 lbs (3 kg)	

For additional information on materials of construction, functional performance and operating conditions, please see Regulator Technical Bulletin.

Inconel® is a registered trademark of Special Metals Corporation
Vespel®, Viton®, and Teflon® are registered trademarks of DuPont Performance Elastomers L.L.C.

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 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 Corp 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: 25000149

Rev: B

Date of Issue 08/2013



ENGINEERING YOUR SUCCESS.