IR6200 Series

Two-Stage, General-Purpose Pressure Regulator

Internally Threadless • Brass

Value Proposition:

With an inlet pressure up to 4,000 psig, Parker's IR6200 two-stage regulator offers high pressure capability with stable pressure control. This general-purpose series features a large, convoluted Hastelloy C-22® diaphragm that provides high corrosion resistance. Close tolerances and tight alignment of moving components minimizes hysteresis and improves cycle life.

Contact Information:

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Product Features:

- Unique compression member loads the seal to the body without requiring a threaded nozzle or additional seals
- Internally threadless design reduces particle generation; low internal volume reduces purge times
- Cleaned for O_2 service is standard
- Positive upward and downward stops increase cycle life by preventing over stroking of the diaphragm

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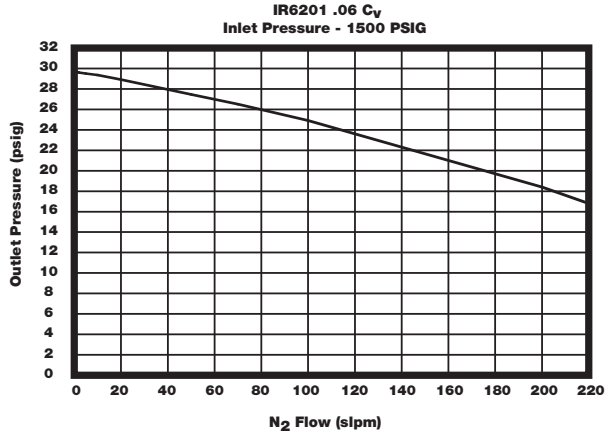
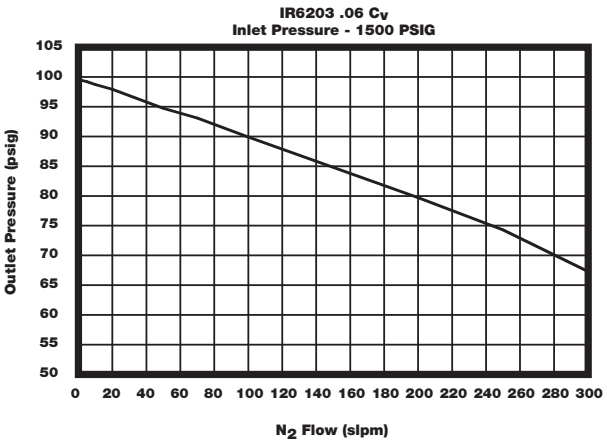
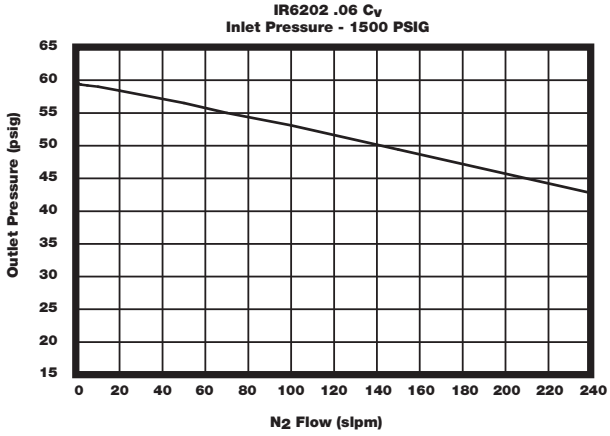
IR6200 Series

Flow Curves

Additional flow curves available upon request

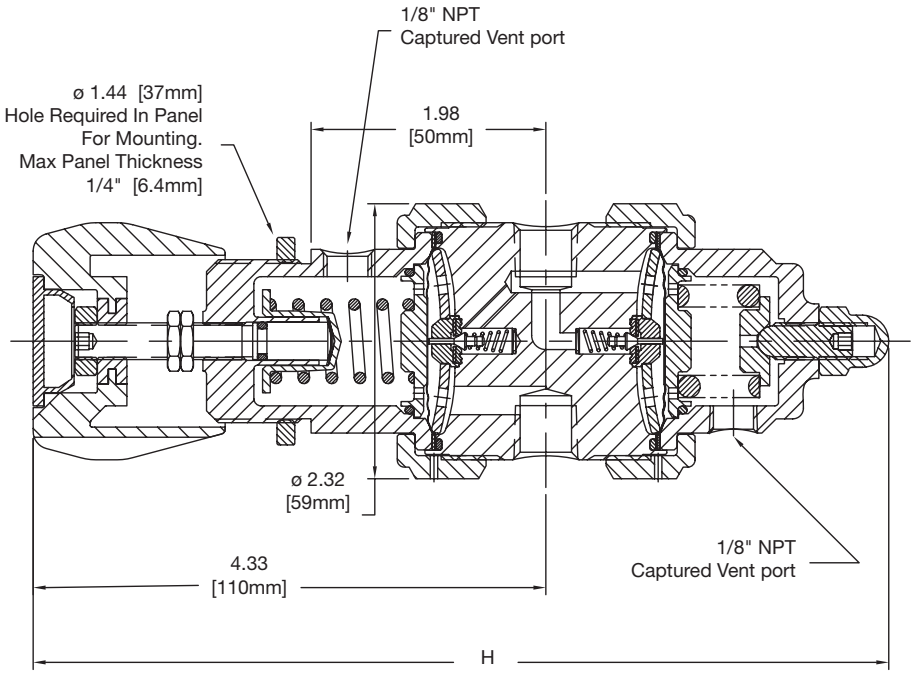






RANGE TABLE			
Basic Model	Max Inlet PSIG		
	0.06 C_V	0.02 C_V	0.15 C_V
IR6200	4,000	4,000	1,250
IR6201	4,000	4,000	1,250
IR6202	4,000	4,000	1,250
IR6203	4,000	4,000	1,250
IR6204	4,000	4,000	1,250
IR6215	4,000	4,000	1,250

Dimensional Drawing



OVERALL HEIGHT TABLE	
Basic Model	H
IR6200	7.22 [183.4mm]
IR6201	7.22 [183.4mm]
IR6202	7.22 [183.4mm]
IR6203	7.22 [183.4mm]
IR6204	7.81 [198.4mm]
IR6215	7.22 [183.4mm]

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

IR6200 Series

Ordering Information

Build an IR6200 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.

	1	2	3	4	5	6	7	8	9	10	11
Sample:	IR62	02	B		K	4P	01	30	4	B	N	580

Finished Order: **IR6202BK4P01304BN580**

1 Basic Series

Range	Outlet Gauge
00 = 0 - 10 psig	0 - 30 psig
01 = 1 - 30 psig	0 - 60 psig
02 = 2 - 60 psig	0 - 100 psig
03 = 3 - 100 psig	0 - 200 psig
15 = 5 - 150 psig	0 - 200 psig
04 = 10 - 250 psig	0 - 400 psig

2 Body Material

B = Brass

3 Flow Capacity

= 0.06 Cv *Standard*
1 = 0.02 Cv
2 = 0.15 Cv

4 Seat Material

K = PCTFE

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 ports*
4PB = 4 Ports *One X for gauge port*
5P = 5 Ports *Two X's for gauge ports*
6P = 6 Ports *Two X's for gauge ports*
See Regulator Porting Guide for additional options and port layouts.

Note: Ports may be plugged for NPT threaded product.

6 Outlet Gauge

Outlet Gauge	Basic Series
03 = 0 - 30 psig	IR6200
OL = 0 - 60 psig	IR6201
01 = 0 - 100 psig	IR6202
2 = 0 - 200 psig	IR6203
4 = 0 - 400 psig	IR6204
X = No Gauge	

Additional ranges available upon request

7 Inlet Gauge

X = No Gauge
30 = 3,000 psig *Standard*
20 = 2,000 psig with the 0.15 Cv option
40 = 4,000 psig
Additional ranges available upon request

8 Port Style

2 = 1/8" NPT Female
4 = 1/4" NPT Female
6 = 3/8" NPT Female
4T = 1/4" A-LOK®
6T = 3/8" A-LOK®
All Gauge ports are 1/4" NPT Female

9 Port Mounting

B = Standard - *No other options*

10 Optional Features

This section can have multiple options

B = True Ported Body *No plugs*
G = Tamper Proof *Not available with M option*
M = Metal Knob *Not available with G option*
N = Nickel Plate
R2 = Relief Valve *4PB, 5P and 6P Only*
S = Self Relieving
V = Outlet Valve *NV17SB44MF*

Note: Panel Mount Option:
Order Panel Nut Ring p/n: 41900363 as a separate line item.
Vent Muffler Option:
Order Vent Muffler p/n: 46600581 as a separate line item.

11 CGA#

320, 330, 350, 510, 580 or 590
Do not exceed the rated pressure of the CGA connection.

IR6200 Series

Specifications

Materials of Construction	
Wetted	
Body Options	Brass (std) or Nickel Plated Brass
Compression Member	Inconel 625®
Diaphragm	Hastelloy C-22®
Poppet	Phosphor Bronze
Poppet Spring	Inconel X750®
Seat	PCTFE
Carrier	316L Stainless Steel
Washer Backup	Phosphor Bronze
O-ring Backup	FKM
Inlet Screen / Filter	Copper and Phosphor Bronze
Self Relieving Seat	PEEK™
Non-wetted	
Cap	Nickel Plated Brass
Nut	Nickel Plated Brass
Knob Options	ABS (std) (ambient temp) or Aluminum

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

Functional Performance	
Design	
Burst Pressure	12,000 psig (828 barg)
Proof Pressure	6,000 psig (414 barg)
Flow Capacity	
C_V Options	C_V 0.06 (std), C_V 0.02, C_V 0.15
Leak Rate	
Internal	Bubble Tight
External	Bubble Tight
Supply Pressure Effect	Based upon C_V Option
0.02 C_V	0.01 psig/100 psig (0.0007 barg/7 barg)
0.06 C_V	0.01 psig/100 psig (0.0007 barg/7 barg)
0.15 C_V	0.02 psig/100 psig (0.0014 barg/7 barg)
Internal Volume	8.1 cc without fittings
Approx. Weight	3.5 lbs. (1.6 kg)
Operating Conditions	
Maximum Inlet	Refer to Range Table for specific information
Outlet Options	0-10 psig (.7 barg), 1-30 psig (2 barg), 2-60 psig (4 barg), 3-100 psig (7 barg), 5-150 psig (10 barg),10-250 psig (17 barg)
Temperature	-40°F to 150°F (-40°C to 66°C)

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