

APR66 Series

Single-Stage, High-Pressure Regulator

Pressure Reducing • Stainless Steel



Value Proposition:

The Parker APR66 is a high pressure-reducing, single-stage regulator designed to operate at inlet pressures up to 6,000 psig. A full range of pressure sensing can be achieved without time-consuming spring and piston changeouts.

Product Features:

- Piston Sensing
- Thrust bearing allows low actuating torque and precise setability
- Low friction adjusting screw sleeve provides smooth operation
- Optional self-relieving feature allows user to decrease outlet pressure in closed systems. Feature is actuated by turning the adjusting knob counterclockwise

Specifications:

Functional Performance	
Design	
Burst Pressure	18,000 psig (1,241 barg)
Proof Pressure	9,000 psig (620 barg)
Flow Capacity	
C _v Options	C _v 0.05
Leak Rate: Internal	Bubble Tight
Leak Rate: External	Bubble Tight
Supply Pressure Effect	100-1000 psig (4 psig/100 psig (0.28 barg/7 barg) 100-2000 psig (4 psig/100 psig (0.28 barg/7 barg) 100-3000 psig (4 psig/100 psig (0.28 barg/7 barg) 100-6000 psig (6 psig/100 psig (0.4 barg/7 barg)
Approximate Weight	3.0 lbs. (1.4 kg)

Operating Conditions	
Maximum Inlet	6,000 psig (414 barg)
Outlet Options	100 - 1000 psig (69 barg) 100 - 2000 psig (138 barg) 100 - 3000 psig (207 barg) 100 - 6000 psig (414 barg)
Maximum Temperature of Flow Media	-40°F to 165°F (-40°C to 74°C) Note: Metal Knob required for high temperature applications

Material of Construction	
Wetted	
Body Options	316L Stainless Steel (std).
Poppet	316L Stainless Steel
Spring	Hastelloy® C-22
Seat	PEEK™
Seat & Screw Clamp	316L Stainless Steel
Plug & Screw	316L Stainless Steel
Piston	Torlon®
Piston Housing	316L Stainless Steel
Stem	316L Stainless Steel
Seals	Aflas®, PTFE and PCTFE
Non-Wetted	
Cap	Nickel Plated Brass
Nut	316L Stainless Steel
Knob Options	ABS (std) or Aluminum

For additional information on materials of construction, functional performance and operating conditions, please contact factory.

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Aflas® is a registered trademark of 3M Company.
PEEK™ is a trademark of Victrex plc.
Torlon® is a registered trademark of Solvay Specialty Polymers.

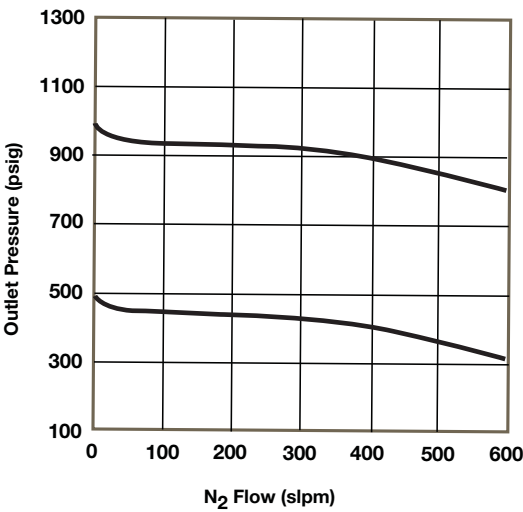


INSTRUMENTATION PRODUCTS DIVISION

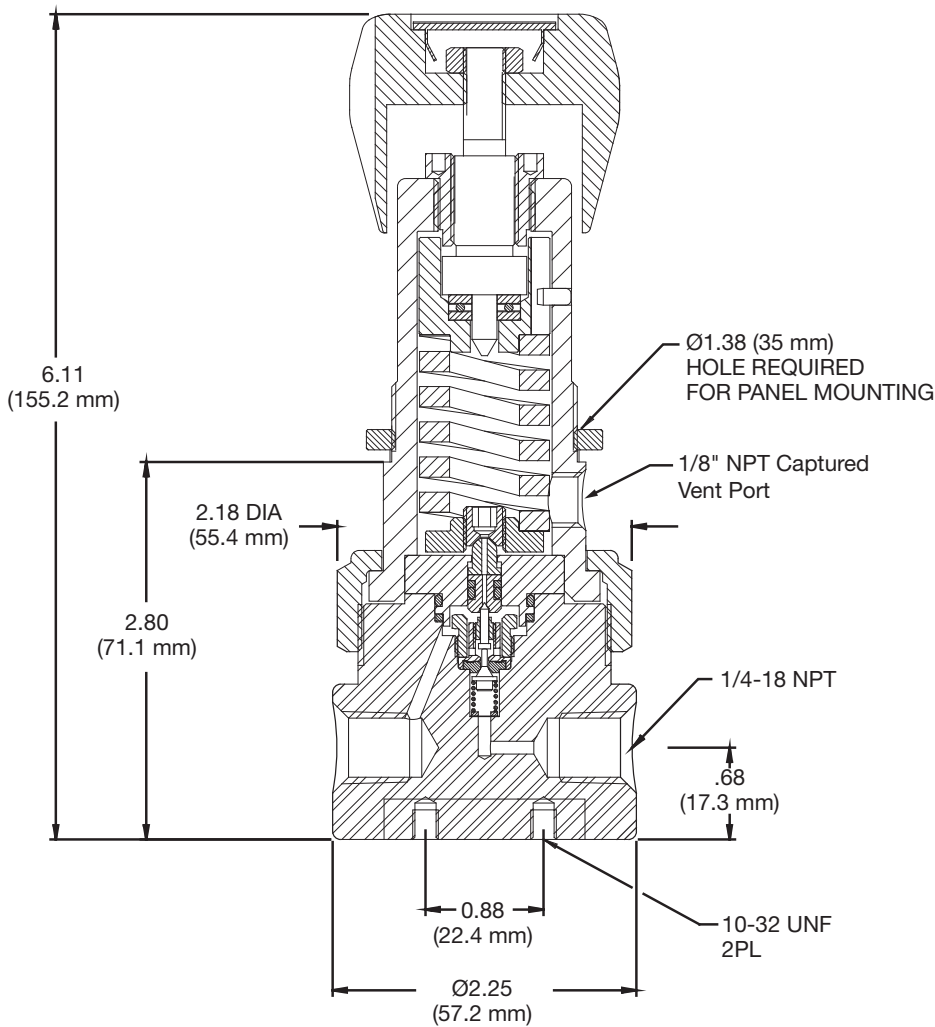
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Flow Curve:



Dimensional Drawing:



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Ordering Information:

Building a Part Number: <i>Example: APR66S4P1XX4M</i>									
Example Part Number:	APR66	S	4P	1	X	X	4	M	
Ordering Parameters/Options:	Series	Body Material	Porting	Pressure Range	Outlet Gauge	Inlet Gauge	Port Style	Optional Features	
Table Reference: (see below)	A	B	C	D	E	F	G	H	

A - Series	
APR66	APR66 Series Regulator

B - Body Material	
S	316L Stainless Steel

C - 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)

D - Pressure Range	
1	100-1000 psig
2	100-2000 psig
3	100-3000 psig
4	100-6000 psig

E - Outlet Gauge	
20	0-2000 psig
30	0-3000 psig
40	0-4000 psig
60	0-6000 psig
X	No Gauge (Gauges may be provided by local Parker Distributor)

F - Inlet Gauge (Gauges may be provided by local Parker Distributor)	
40	0-4000 psig
60	0-6000 psig
X	No Gauge

G - Port Style	
4	1/4" NPT Female (All Gauges are 1/4" NPT Female)

H - Optional Features	
M	Metal Knob (Black)
SR	Self-Relieving (For safety purposes, the optional self-relieving feature is not recommended for toxic or flammable gasses or liquids.)
C3	Cleaned for Oxygen Service (Oxygen Cleaning Requirements in accordance with Parker Specification ES8003)

Note:

Each unit is standard with a threaded cap and panel mount nut.

Parker Instrumentation Products Division reserves the right to plug NPT ports

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WARNING

FAILURE, IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS AND/OR SYSTEMS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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

Offer of Sale

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