

# PIN7000/PIN7010

## Pneumatic Pressure Intensifier



PIN 7000

**Please refer to price schedule for part numbers and part numbering guide.**

Pump up your system with the PIN7000 or PIN7010 pneumatic pressure intensifier!

Both the PIN7000 and PIN7010 operate using any clean dry air or gaseous nitrogen. Containing an automatic precision intensifying system, these models generate up to 10 times the input pressure.

This easy-to-operate system provides fingertip control with the exclusive micro-metering valve for pressure adjustment and venting. Monitoring has never been easier with three gauges that account for regulated pressure, accumulated pressure, and output pressure. These units are completely equipped with quick-disconnect fittings and hoses for rapid input and output pressure.

These pressure intensifying systems were designed for custom use. The compact PIN7000 incorporates a portable configuration for on-the-go operation. The rugged PIN7010 is a rack-mount model, ideal for frequent in-house use.



PIN 7010 Rack-mount

### Applications

- High pressure supply, up to 10,000 psi, for test equipment
- Ideal for fluid-free high pressure calibration

### Standard Features

- Internal precision pressure intensifier generates up to 10 times input pressure
- Electronically controlled intensifier system
- Precision regulator to adjust input pressure
- Three gauges to monitor regulated pressure, accumulated pressure, and output pressure
- Patented micro-metering valves for pressure adjustment and venting
- Quick-disconnect fittings and hoses supplied for input and output pressure
- Easy to operate, training can be accomplished in 10 minutes
- Available in self-contained enclosure with carrying handles (PIN7000) or 19 inch rack-mount version (PIN7010)

### Options/Accessories

- 63258.....Additional operating & maintenance manual
- 59533.....External portable pressure cylinder with (83.3 cu ft. 3694 psi test pressure) CGA-580 shutoff valve/internal rupture disk and carrying handle
- 58478.....Pressure trap Literature sheet PN 58596
- 55280.....Additional test port (output) 4-1/2 ft. long hose with quick-disconnect (SST) plug on one end and 1/4 in. 37° female AN swivel pressure fitting on opposite end
- 55360.....Additional fill port (input) 4 ft. long hose with CGA-580 male nipple on one end and 1/4 in. 37° female AN swivel pressure fitting on opposite end

**TEMPERATURE RANGE:**

Operating: 40°F to 140°F (4°C to 60°C)  
 Storage: 0°F to 185°F (-17°C to 85°C)  
 Relative humidity: 95%, non-condensing

**PRESSURE MEDIA:**

Clean dry gaseous nitrogen or clean dry air

**REGULATED PRESSURE GAUGE:**

Size: Two and one half-inch diameter  
 Range: 0-1500 psi

**ACCUMULATOR PRESSURE GAUGE AND OUTPUT PRESSURE GAUGE:**

Size: Two and one half-inch diameter  
 Range: 0-15,000 psi

**CONTROL VALVES:**

Type: Micro-metering with positive shut off, adjustable stop and replaceable seat, non-destructible  
 Material: 300 series stainless steel outer body

**INTERNAL PIPING:**

Tubing: 1/4 in. O.D. and 1/8 in. O.D. 300 series stainless steel, seamless  
 Couplings: 300 series stainless steel Swagelok®

**OUTPUT TEST PORT:**

Style: Quick-disconnect type  
 Pressure rating: 10,000 psig minimum, connected or disconnected

**PRESSURE HOSES:**

Quantity supplied: 2; one input and one output  
 Length: 4 ft., nominal each hose

**BOOSTER PUMP SOLENOID VALVE:**

Type: Three-way, normally closed, electronically controlled

**PRESSURE RATING:**

1500 psig

**POWER REQUIREMENTS:**

115 VAC, 50 Hz, 10 watts

**INPUT PRESSURE REGULATOR:**

Pressure rating: 3000 psi maximum  
 Output pressure range: 0-1000 psi  
 Construction: Self-relieving, single stage regulator

**EXTERNAL HOUSING:**

PIN7000: Deep drawn aluminum case with cover and handles  
 PIN7010: Sheet aluminum enclosure

**EXTERNAL FINISH:**

PIN7000: Deep drawn aluminum case  
 PIN7010: Sheet aluminum

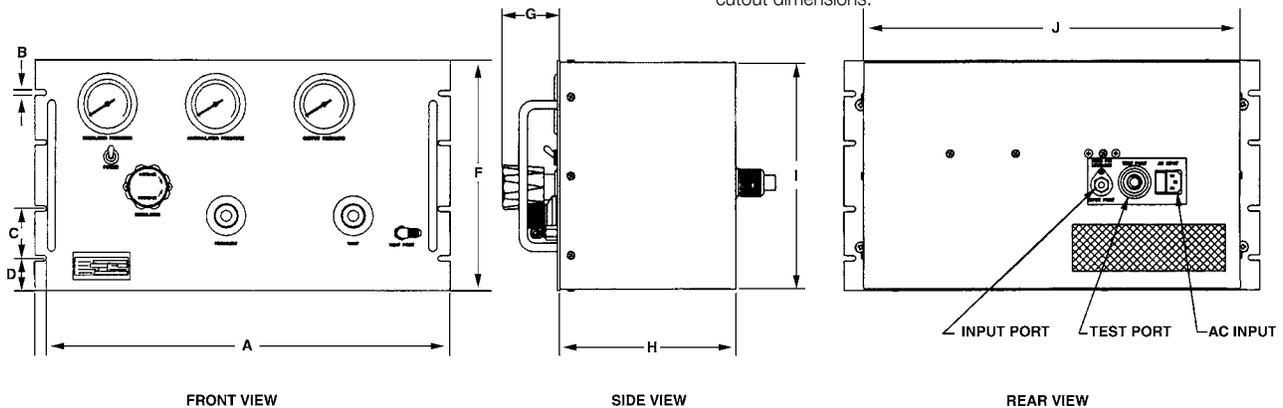
**WEIGHT:**

Approximately 40 lb (18.1 kg), nominal including all hoses and power cord

**PIN7010 DIMENSIONS**

A = 19 in. (482.60 mm)	F = 10.47 in. (265.93 mm)
B = 0.25 in. (6.35 mm)	G = 2.60 in. (66.04 mm)
C = 2.25 in. (57.15 mm)	H = 8.00 in. (203.20 mm)
D = 1.48 in. (37.59 mm)	I = 10.36 in. (263.24 mm)
E = 0.55 in. (13.97 mm)	J = 17.18 in. (436.37 mm)

Rack-mount dimensions are for reference only. Consult factory for cutout dimensions.



**PIN7000 dimensions (not shown):**

18 in. (457.2 mm) W x 11 in. (279.4 mm) D x 11.5 in. (292.1 mm) H