



## AIR PRESSURE INTENSIFIERS

**2:1 MAXIMUM PRESSURE BOOST RATIO  
200PSI MAXIMUM DISCHARGE PRESSURE**

Ingersoll Rand's (IR) Compressed Air Pressure Intensifiers are a simple, low-cost method for improving air systems performance and resolving point of use low-pressure problems.

By installing an IR intensifier, it is possible to boost your air pressure by a 2:1 ratio. For example, an incoming pressure to the booster of 80psi, an output pressure of up to 160psi can be achieved.

Running your entire compressed air system at the lowest pressure possible is the most efficient and cost-effective way to produce and use compressed air. Incorporating point-of-use intensifiers, and boosting pressure only at specific points in your system that require high pressure, helps to achieve this.

IR intensifiers require no electricity and are completely self-contained units. Simply pipe compressed air into the inlet

port of the unit and adjust the unit's integral pressure regulator to the required discharge pressure. High-pressure will be delivered.

All IR intensifiers are mounted on a 12-gallon 200psi AMSE rated buffer tank, which helps prevent pulsation in the volume of air delivered from the booster to your application. The tank is fitted with a 200psi safety relief valve and manual drain valve. On the outlet port of the buffer tank is a secondary high-flow/high-pressure self-relieving regulator that allows for simple and precise pressure control from the buffer tank to the application.

When the intensifier reaches the set pressure the unit simply stalls and no air or energy is consumed. When pressure drops, the booster will automatically re-start.

The air consumption used to drive an

intensifier is between ½ to 1 times the amount of pressure-boosted air. If 20 cfm of air is required, between 30 to 40 cfm of compressed air will be used. Between 10 to 20 cfm will be vented through the units exhaust muffler.

Supply Pressure	Maximum Flow-Rate	Discharge Pressure
psi	scfm	Max psi
50	13	50-95
60	15	60-110
70	20	70-130
80	25	80-150
90	35	90-160
100	40	100-180
110	50	110-200

### Booster Features

- A. Inlet pressure gauges
- B. Built-in pressure regulator
- C. Discharge pressure regulator
- D. Inlet Filter (not supplied with package)
- E. Exhaust silencer
- F. 12 gallon 200psi AMSE tank
- G. 200psi safety valve
- H. x xx
- I. Drain valve
- J. Tank mounting holes

### Booster Specifications

- Maximum boost ratio 2:1
- 100% duty cycle
- In-let pressure range 15-150psi
- Discharge pressure range 15-200psi
- Temperature range 40-130 °F
- Weight 64 pounds
- Integral regulator controls discharge pressure and are self relieving
- Tank outlet pressure regulator

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