

Compressed Air Pressure Booster

DESCRIPTION:

For proper operation, certain plasma cutting systems require compressed air to be delivered at 115 PSI. Many industrial facilities cannot deliver such high pressures. The compressed air pressure booster can double line pressure up to 235 PSI.

The compressed air pressure booster is an air-driven, air pressure booster requiring no electricity, cooling water, or air-line lubricator and is explosion proof. Shop air is fed to the inlet port through a filter, and is split into two streams inside the booster. One stream flows to the compressor portion of the unit and is boosted to the higher pressure. The other stream drives the compressor portion and is consumed during booster operation.

FEATURES:

- A. Built-in pressure regulator
- B. Inlet pressure gauge
- C. Discharge pressure gauge
- D. 1/2" Female NPT inlet filter (3/8" air hose barb)
- E. Inlet filter
- F. Exhaust silencer
- G. 235 PSIG ASME safety relief valve
- H. 3.5 gallon, 350 psig ASME tank
- I. 1/2" Female NPT discharge port (3/8" air hose barb)
- J. 1/4" FNPT condensate drain valve
- K. Mounting plate (wall or plasma power supply stand)

SPECIFICATIONS:

- Maximum 2 to 1 boost ratio
- Capable of 100% duty cycle
- Inlet pressure range of 15-150 psig
- Discharge pressure range of 15-230 psig
- Temperature range of 40-130°F
- Weight is 58 lb. with mounting plate
- Integral regulator controls discharge
- Pressure is self-relieving

APPLICATIONS:

- Delivery of 115 PSI air to certain plasma systems

