

SIERRA PRECISION AIR BOOSTER



30 1/2" L x 19" W x 15 1/2" H
Weight—145 lbs.

THERMAL
OVERLOAD
AUTO-SHUTOFF
MANUAL RESET

SINGLE
or
THREE PHASE

110 or 220
VOLT

1.5
HP

Lightweight
and
Completely
Self-Contained

HIGH PRESSURE SECTION

- Non-lubricated
- Contaminant free
- Single seal (10,000 psi rating)
- Two piston (hard chrome)
- Over pressure safety relief

DRIVE SECTION

- Sealed bearings
- V-belt power transmission for smooth operation

GAUGES

- Inlet—0 to 6,000 psi
- Outlet—0 to 8,000 psi

COOLING

- Cooling fan blowing over heat exchanger, finned tubing

MAINTENANCE

- Seals—periodic inspection, infrequent replacement
- Filters—periodic inspection, scheduled replacement

The air booster is **lightweight** and **completely self-contained**, not requiring additional panels or support equipment. The weight distribution is so even, and the 2 cylinder pumping mechanism so balanced, that it is not necessary to bolt the unit in place. The **dry seal system** eliminates the chances of adding contaminants to the source air and as added protection of source air contaminants, inlet and outlet filters are standard. The **internally mounted fan** draws a steady stream of external air across the electric motor, pump and finned tubing heat exchanger to keep the unit **cool during operation**.

Advantages and Savings

1. Rapidly fill cylinders up to 5,000 psi with **minimal depletion of storage air**.
2. Lightweight and portable.
3. Dry seals eliminate possibility of air contamination.
4. Reliable, trouble-free operation
5. **Increases compressors life** through reduction of running hours. Fewer compressor overhauls are needed.
6. Cost effective because a booster costs but a small fraction of a high-pressure air compressor installation.
7. Motor drive provides **quiet operation** and conserves storage air by not requiring air to drive the unit.
8. Powered by conventional AC electrical systems.
9. All units are designed for use with all non-volatile gases.



BREATHING AIR SYSTEMS

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SIERRA PRECISION AIR BOOSTER

SPECIFICATIONS

OO MODEL

The 9000-00 is our standard model and is designed to fill cylinders to one pressure setting. Pressure settings are preset at the factory and adjustment in the field is simple and straightforward. When filling SCBAs, the unit pumps until the desired, pre-set air pressure is met and then shuts off automatically. Typical settings are 2216 or 4500 psi.

A2 MODEL

The 9000-A2 model maintains the same proven performance as the 9000-00 model with the added feature of two pressure settings. Changing between filling pressures is as easy as flipping a switch. For example, after filling a SCBA, the operator conveniently turns a knob one-half turn to fill a SCBA of a different pressure. No screw drivers are needed and both settings are pre-set at the factory. This eliminates the guess-work involved in filling the different pressure-rated bottles and there is also no fear of overfills because both circuits have "vent to atmosphere" safety relief valves. Whether in the field or at the station, having a need to fill 2216 and 4500 psi cylinders is no headache at all.

6000 psi MODELS

Many stations and rescue vehicles have begun utilizing 6000 psi DOT storage cylinders. However, this poses a problem for those stations with 5000 psi air breathing compressors because there is no way to refill the cascade storage tanks.

The 12000-00 model allows the user to top off storage cylinders without purchasing a new compressor. The 12000-A2 model, a dual pressure unit, allows the user to top off storage bottles **and** fill SCBAs, making A2 booster the most versatile air booster on the market. Typical pressure settings for the 12000-A2 are 6000 and 4500 psi, and like the 900-A2 version, switching between pressure settings is as easy as flipping a switch.

OPTIONS

Auto-Start - Why is the auto start feature important? ***It can save time and energy!***

Your department has been called to a fire, which is located on the sixth floor of a high-rise office building, however, your booster is mounted on a truck or trailer at street level. With the 9000-A2 model, a one person fill station can be set-up to fill SCBA bottles using only an airline between the booster and the fifth floor staging area. By placing your fill station as close as is safely possible to the fire, you have eliminated any time lost in carrying SCBA bottles back and forth. More importantly, you can now use your fire-fighting personnel to fight fires rather than to transport bottles.

Remote Operation

When rescue vehicles do not have fill-stations conveniently located near the booster installation, the remote start/stop options is required. The remote start/stop option allows the booster to be installed in space available, yet allows the fill-station attendant to conveniently operate the booster and monitor the fill station from one convenient location. Additionally, the remote option is designed to operate on a local or remote circuit, thereby allowing for the true flexibility of operation.