



SIERRA 9000 A-2 AIR BOOSTER

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The new Sierra A-2 9000 Booster has several important features which make this unit ideal for refilling low-pressure and high-pressure air bottles, especially designed to meet the demands of high-volume stations. A newly developed automatic on/off switch allows the booster to pump air until the maximum pressure level is reached, then automatically turns the system off. When a new bottle is introduced into the system, the system detects the low pressure and sends a signal to the booster to begin pumping again.

Like the Sierra 9000 Air Booster, the weight distribution and pumping mechanism of the 145-pound unit is so expertly designed and engineered that there is no need to anchor the unit during operation.*

- A simple turn of the knob allows you to switch from low-pressure bottles (2216psi) to high-pressure (6000 psi). Levels are factory set and need no adjustment.
- Easily mounts on trucks, trailers.*
- Can be used in the laboratory or factory as easily as in the field.

The Sierra 9000 Air Booster allows you to take air from any low-pressure source, including a cascade system or a conventional compressor, and boost it to any level up to 6000psi, with minimal depletion of storage air. The dry seal system in the Sierra 9000 Air Booster eliminates the chances of adding contaminants to the air source..

The Sierra 9000 Air Booster allows you to fill bottles quickly, efficiently and safely at the scene, eliminating the need to transport filled air bottles.

- Dramatically increases existing compressor life through reduction of running hours. Fewer compressor overhauls are needed.
- Powered by any conventional A.C. electrical system.
- Requires a source of gas of at least 1000psi to function properly.
- All units are designed to be used with all non-volatile gases.

* Unit should be secured for mobile use.

SPECIFICATIONS

BOOSTER

1 1/2 H.P.
 2 PISTON
 ELECTRIC MOTOR
 SINGLE AND 3 PHASE
 110 AND 230 VOLTS
 15 AMPS HAVING
 L6-15R RECEPTACLE

HIGH PRESSURE SECTION

NON-LUBRICATED
 CONTAMINANT FREE
 SINGLE SEAL
 HARD CHROME PISTONS

DRIVE SECTION

SEALED BEARINGS

GAUGES

INLET AND OUTLET
 GAUGES READING
 0-5000 PSI

STANDARD CONTROLS

MAGNETIC STARTER
 THERMAL OVERLOAD
 MANUAL SHUTOFF
 OVER PRESSURE
 SAFETY SHUTOFF

COOLING

COOLING FAN BLOWING
 OVER FINNED TUBE

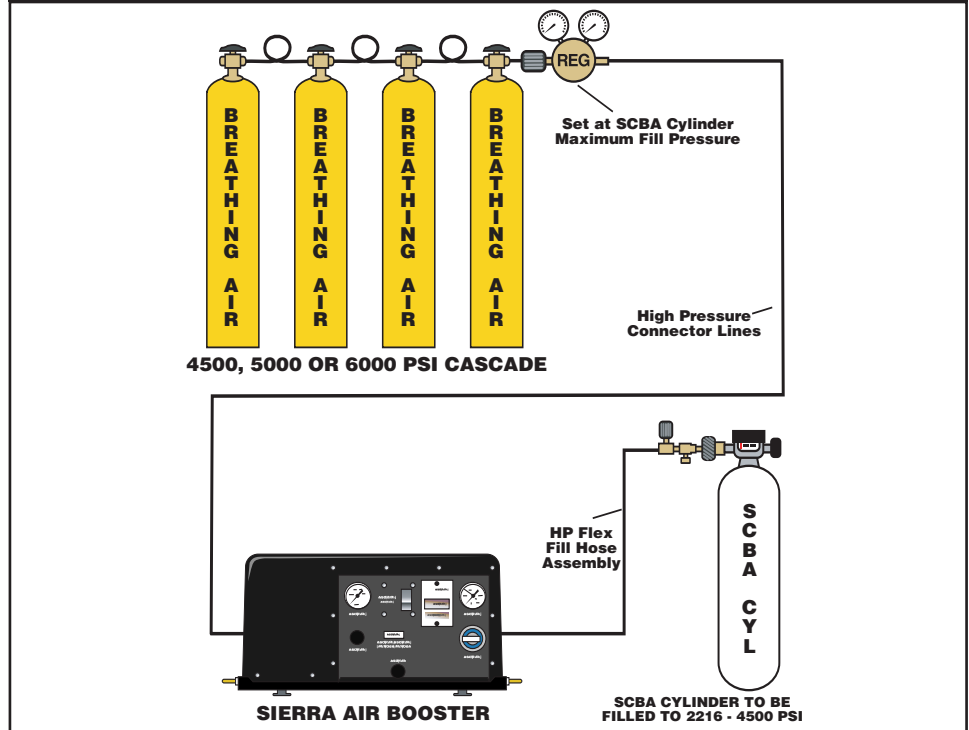
MAINTENANCE

LONG LIFE SEALS
 INFREQUENT
 REPLACEMENT

TYPICAL FILL TIMES

FROM COMPRESSOR STORAGE BANKS AFTER BOTTLE HAS EQUALIZED WITH STORAGE PRESSURE	45 CUBIC FT @ 4500 PSI	80 CUBIC FT @ 3000 PSI	50 CUBIC FT @ 3000 PSI	72 CUBIC FT @ 2250 PSI
	FILL TIMES IN SECONDS			
2500 PSI	41.4 Sec.	27.6 Sec.	17.4 Sec.	
2250 PSI	52.8 Sec.	42.0 Sec.	26.4 Sec.	
2000 PSI	75.6 Sec.	79.8 Sec.	49.8 Sec.	21.6 Sec.
1500 PSI	147.0 Sec.	200.4 Sec.	124.8 Sec.	97.2 Sec.

SCHEMATIC OF TYPICAL BOOSTER INSTALLATION



Various Models Available

Part Number	Description
AC90060	Single Set Pressure Up To 5000 PSI
AC90055	Dual Pressure Auto Start Up To 5000 PSI
AC90057	Single Set Pressure Up To 6000 PSI
AC90056	Dual Pressure Auto Start Up To 6000 PSI
AC90053	Remote Start/Stop Option, Factory Installed



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