

PORTABLE 6000-PSI BREATHING AIR CHARGING UNIT

Hydraulics International, Inc.

This Unit is designed to boost directly from cascade cylinders system to outlet pressures of 6000-PSI. The unit ensures maximum outlet pressure fills even if the supply storage pressure drop as low as 500-psi.

The unit operates from a low-pressure, conventional compressed air source or "bootstraps" directly from the high-pressure nitrogen supply. In the shop-air mode, non-contaminated outlet gas is assured through complete dual-vented separation from the drive section. The high-pressure section of the booster is cooled by the drive exhaust gas and requires no lubrication. Valves and gauges are stainless steel line-mounted to the booster.

SPECIFICATIONS:

Dimensions:	30"L x 13"D x 17"H
Weight:	64 Pounds
Displacement per cycle:	6.2 cu-in
Maximum outlet pressure:	9,000 PSI

KEY FEATURES:

- **AIR POWERED – NO ELECTRICITY – SPARK PROOF**
- **EASY INSTALLATION** - Just two connections: Medium Pressure Air Inlet and High-Pressure Air Outlet. No special foundations required and can be mounted in any position.
- **FAST FILL CAPACITY AT ANY PRESSURE** - High Pressure Breathing Air Systems output rate is 45 to 80 scfm during a typical fill.
- **INCREASED SYSTEM CAPACITY - HIGH-PRESSURE** Breathing Air Systems continue to provide 6,000 psi fills even if storage cylinders have dropped as low as 500 psi.
- **HOLD PRESSURE** - Can be controlled to stop at any predetermined pressure, hold that pressure indefinitely without consuming power, and can restart under full load.
- **NO INTERNAL CONTAMINATION** - High-Pressure Air Section consists of dry pistons, non-lubricated and hydrocarbon free. An air line lubricator is not required.
- **ELIMINATES CASCADING**

PERFORMANCE:

System Pressure after Equalization	Approx. Fill Rates
3500 psi	52-scfm
3000 psi	45-scfm
2500 psi	36-scfm
2000 psi	30 scfm
1500 psi	22 scfm
1000 psi	15 scfm
500 psi	7.5 scfm

Note: * operating at 60 cycles/min (cpm)

