MODEL HIHPG3-27003

PORTABLE 6000-PSI BREATHING AIR CHARGING UNIT

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:

| This U of 600 pressur The unit directly fr outlet gas The high-p lubrication. | Jnit is desig 00-PSI. The operates f rom the hi s is assure ressure sec Valves and | gned to boo unit ensur- ow as 500-p rom a low-p gh-pressure d through tion of the gauges are |
|--|---|---|
| SPECIFICATIO | ONS: | |
| Dimensions: | 30″L x 1 | 13″D x 17″H |
| Weight: | | 64 Pounds |
| Displacement per | cycle: | 6.2 cu-in |
| Maximum outlet p | pressure: | 9,000 PSI |
| | This U of 600 pressur The unit directly f outlet gas The high-p lubrication. SPECIFICATIO Dimensions: Weight: Displacement per Maximum outlet p | This Unit is design of 6000-PSI. The pressure drop as I The unit operates f directly from the hi outlet gas is assure The high-pressure sec lubrication. Valves and SPECIFICATIONS: Dimensions: 30"L x Weight: Displacement per cycle: |

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)

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**



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