

# Portable 6000-PSI BREATHING AIR Charging Unit

## MODEL: HIHPG3-27003

This Unit is designed to boost directly from cascade cylinders or a high pressure compressor storage cylinders to outlet pressures of 6000 PSI.

The unit ensures full 4500-6000 psi fills even if the supply storage pressure drop as low as 500-psi.

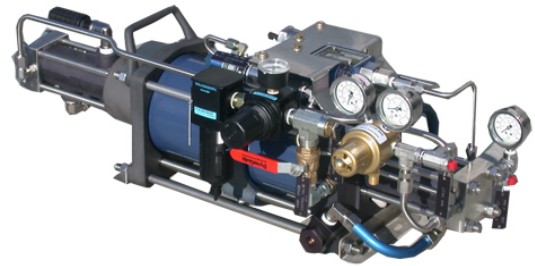
The unit is operated with a low pressure conventional air compressor; or directly from the high-pressure air storage supply. The high-pressure section of the booster is cooled by the drive exhaust air and operates dry, non-lubricated. In the shop air drive mode, non-contaminated outlet gas is assured because of complete dual vented separation from the drive section. All items are line mounted on to the booster.

### Controls Included:

- Double acting double drive gas booster configuration
- Automatic control to stop/start the booster when the outlet pressure exceeds set point; pre-selected pressure set @ 6,000-psi (adjustable)
- Manual start & stop
- Low pressure air controls (filter, gauge, and on/off valve)
- High pressure air controls (high pressure regulator, relief valve set at 140-psi, gas inlet pressure gauge, and regulated pressure gauge)
- Safety relief valve set @ 6200-psi (adjustable)
- Gas outlet pressure gauge

### Specifications:

- Dimensions: .....30"L x 13"D x 17"H
- Weight: .....64-pounds
- Displacement per cycle: ..... 6.2 cu-in



### 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

\* Based on 90-psi shop air and 60 cycles per minute.