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HYDROGEN BOOSTER SYSTEM

PN HIHPG2-5GDD28-H2-P-SAD-A1K-B2K-HPR

This Unit is designed to boost directly from a cascade system to outlet pressures of 1813 PSI (125 BAR).

The unit ensures full fills even if the supply storage pressure drop as low as 1000 PSI (69 BAR).

The unit is operated directly from a low pressure air compressor source. The high-pressure sections of the booster are 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 mounted on a powder coated white tubular frame and tilted control panel with valves and gauges panel mounted.

Controls Included:

- Air driven gas booster, double acting, double air drive configuration, model 5G-DD-28-H2-P with gas vents connected to a common port
- Low pressure air controls (filter, regulator, gauges and ½" ball valve)
- Low pressure pilot cutoff valve set to automatically stops the booster when the gas inlet pressure drops below 1000 PSI adjustable
- High pressure pilot cutoff valve set to automatically start/stop the booster when the outlet pressure exceeds set pressure of 2000 PSI adjustable
- Outlet high pressure regualtor set at 1813 PSI
- Gas outlet on/off valve (needle type)
- Vent on/off valve (needle type)
- Safety relief valves set at 2350 PSI adjustable
- 2.5" dial gas inlet & 4" dial outlet gauges dual scale with calibration certs
- Gas inlet & oultet filters (10-Micron)

Specifications:

- Dimensions:.....38"L x 17"D x 20"H
- Weight:.....95-pounds
- Displacement per cycle:..... 14 cu-in
- Maximum outlet pressure: 2000-psi
- Booster dimensions:..... 32"x10"x10"
- Drive air supply port: .....½" NPTF
- Gas inlet & outlet ports:.....3/8" NPTF

NOTE

Proposed system will be powder coated white. Use as an illustration purpose only.

Air driven gas boosters range