

GAS COMPRESSION SPECIALISTS

Gas Transfer or Boosting Applications Including Hydrogen and Pure Oxygen



Haskel Manufactures the most extensive range of gas handling solutions for gas transfer or boosting applications, including Hydrogen and pure Oxygen*. Hydrogen use products include Pneumatic or Hydraulic Driven Gas Boosters, Diaphragm Compressors, and BuTech High Pressure Valves and Fittings, that are Hydrogen rated to over 20,000 psig.

Hydrogen Use Markets and Applications

- Hydrogen Compression, Storage & Transfer
- Hydrogen Infrastructure
- Hydrogen Fueling & Filling Stations
- Fuel cell: Mobile, Portable & Stationary
- Boosting H2 Generator Outlet Pressure
- Hydrogen Purification
- Hydrogen Generation
- Hydrogenation
- PTA Manufacture
- Polysilicon Manufacture
- Petroleum Recovery and Refining
- Hydrogenation Reactions
- Cylinder filling for storage from H2 generation
- R&D Lab Gas Distribution
- Power Generation (used as a coolant)
- Semiconductor Manufacturing

Photovoltaic Installations

- Polysilicon Production (H2 & Chlorosilanes)
- Silane Production
- Silicone Vent Recovery
- Mixed Chlorosilane recovery
- HCL Purification
- Hydrogen Purification

Specialty and Industrial Gas

- High/Ultra High Purity Gas compression
- Rare Gases (Xenon, Krypton)
- Gas Transfer from Tube to Cylinders
- Gas recovery systems
- TFE Monomer
- Gas Blending Operations

Chemical/Petrochemical

- PTA
- Gas Recycle Systems
- Gas to liquid (GTL)
- Reaction Feed Gas Charging
- Vapor Deposition

Aviation Ground Support/Aerospace

- Aircraft Jacking
- Helicopter Pop Floats
- Escape Chute Charging – Co2 charging
- Gas charging for Aircraft tire inflation
- Pressure Testing Hydraulic Systems-Skydrol

Breathing Air

- Breathing Air Systems Charging
- Cylinder Hydrotest
- Charging Oxygen Life Support Equipment

Semiconductor

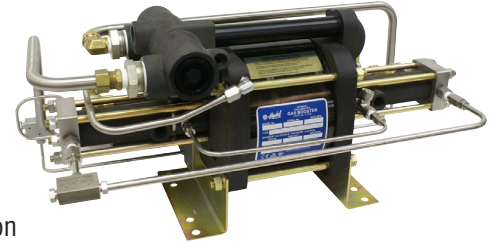
- Silane Production
- NF3 Production
- Fluorine Compression
- BF3 Compression
- SiF4 Compression
- SiH4 Compression
- Tube Trailer/Cylinder Filling

Pilot Plants

- Petrochemical research
- University research studies
- Pharmaceutical research
- Medical Gas Filling
- Instrument Testing

General Industrial

- Condenser Leak Detection
- Automotive Air Bag Vessel Filling
- Blow Molding
- CFC Recovery
- Nitrogen injection for molding machines
- Nitrogen Accumulator Charging
- Die Cushion Cylinder Charging
- Power Valve Actuation/Hold Dump Valves
- Gas Assisted Injection Molding (GAIN)
- Super Critical Fluid Extraction
- Gas Reclaim - Low Pressure
- Hot Isostatic Presses
- Gas Transfer Circuit Breakers
- Boost Pressures from N2/O2 generators
- Laser Cutting (Ar, N2, O2, He)



Pneumatically Driven Boosters

- 55+ Models
- Flow rates from 0 to 100+ SCFM
- Pressures from 0 – 39,000 psi



Hydraulically Driven Boosters

- 15 Models
- Flow rates from 0 to 400 SCFM
- Pressures from 0 – 15,000 psi



Diaphragm Compressors

- 100+ Models
- Flow rates from 0 to 1200 SCFM
- Pressures from 0 – 15,000 psi

* Oxygen cleaned products are certified per Mil Spec 1330D, the standard for precision cleaning and testing for U.S. Navy shipboard oxygen, nitrogen, helium, and hydrogen systems.

For help with solving your gas boosting and transfer needs locate a Haskel Distributor Representative closest to you by visiting our website at www.haskel.com, and clicking on the Distributor link.

WWW.HASKEL.COM