

Haskel®

Pressure on Demand

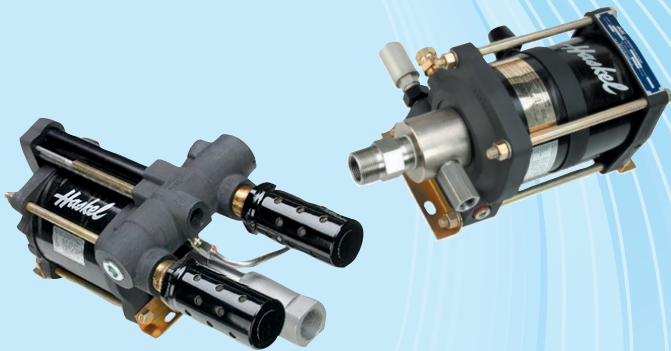
Haskel products overview



High Pressure

Haskel provides a wide range of high-pressure pneumatic and hydraulic equipment for the oil and gas, defense, aerospace, automotive, fluid power, air power, power generation and process industries.

Haskel has a strong commitment to maintaining world-class quality, upholding the health and safety of employees and customers, protecting the environment and providing excellent service and support.



Why Use Haskel Air Driven Pumps?

Our pumps offer many advantages over electrically driven pumps:

- Safe air operation — no heat, flame or spark risk
- Up to 7,000 bar (100,000 psi) capability
- Infinitely variable cycling speed
- Stall feature at pre-determined pressure to hold that pressure without consuming power
- Problem-free stop/start applications
- Easily automated — many modification and control options
- Suitable for most liquids and liquefies gases
- Alternative gas drive options — sour gas, natural gas, boil off gases, nitrogen
- No need for air line lubrication — saves costs and prevents contamination
- Robust, reliable, compact and easy to maintain proven design
- Unbalanced cycling spool provides immediate response to pressure changes
- Also available in standard or custom built power pack configurations
- Excellent worldwide service for spares and repairs

Air/Hydraulic Driven Gas Booster and Air Driven Air Amplifier

- Air or gas driven models to deliver output pressures up to 39,000 psi
- Hydraulic driven models up to 15,000 psi
- Models for handling argon, nitrogen, oxygen, hydrogen, helium, carbon dioxide, liquefied gas, and many other specialty gases
- Haskel can oxygen clean products to meet U.S. government Mil Std. 1330D, which is the highest cleaning standard used by the U.S. Navy as approved by the Department of Defense
- Available in CE and ATEX marks

Applications

- Gas transfer/charging
- Low pressure gas reclamation from storage bottles
- Gas pressure and leak testing
- Nitrogen injection for plastic molding
- Scuba/oxygen bottle filling
- Charging of accumulators



Air/Gas Driven Liquid Pumps

- Over 100 different models ranging from 1/3 hp to 10 hp for selection
- Over 50 different modifications that can be applied to the pump for various applications and service
- Flow range up to 3,200 cu in/min (52 l/min) and maximum output pressure to 100,000 psi (7,000 bar)
- Wide variety of material construction options
- Sour gas drive modification and special customized liquid ends construction to NACE MR0175/ISO 15156-2003
- Available with CE and ATEX marks

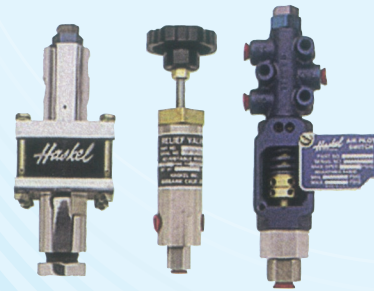
Applications

- Hydraulic operation such as clamping devices, punch and pin presses, valve actuation, etc.
- Hydrostatic pressure testing
- Hydraulic pressure, lifting and jacking systems
- Lubrication and bolt tensioning systems
- Pressure testing
- Work holding/power clamping
- Jacking/lifting
- Valve actuator control
- Hydraulic cylinder actuation
- Press safety overload devices
- Roller tensioning
- Metering
- Precision lubrication and spraying
- Liquid gas transfer

High Pressure Valves and System Accessories

Haskel International offers a wide range of high pressure valves and system accessories designed to assist in the controlled use of pressure and flow-generating equipment manufactured by Haskel and others. Continuous investment in new machinery and technology keeps Haskel at the forefront of the field. Our selection of components includes:

- Air pilot switches
- Air operated directional control and release valves
- Air piloted valves
- Regulating relief valves
- Stainless steel check valves
- Hydraulic accumulators and gas receivers
- Filters
- Plenum chambers
- High pressure valves, fittings and tubing
- Port adapters

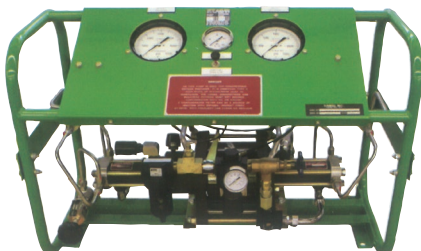


Standard and Custom Liquid and Gas Systems



Haskel can custom-build portable-to-large PLC and PC controlled systems and equipment for a wide range of industries and applications. Manufacturing divisions have clean room facilities for oxygen and similar requirements to class 1000-level clean.

- Portable pressure test packs
- Pressure, proof, leak, burst and fatigue testing of hydraulic, gas, refrigerant and automotive hose and rigid pipe pressure and functional testing of valves
- Volumetric stress testing of gas containers
- Helium leak detection of refrigerant and air conditioning equipment
- Oxygen transfer and pressurization of accumulators
- CFC refrigerant and halon fire extinguishing substance recovery and charging
- SF-6 recovery and reclaim from circuit breakers
- Chemical injection, metering and dosing pumps and packaged systems
- Hydraulic or pneumatic hose test bench



**For more information on our high-pressure products,
visit Haskel.com or contact your local Haskel representative.**



Haskel is part of Ingersoll Rand. Ingersoll Rand (NYSE:IR) advances the quality of life by creating comfortable, sustainable and efficient environments. Our people and our family of brands— including Club Car®, Ingersoll Rand®, Thermo King® and Trane®—work together to enhance the quality and comfort of air in homes and buildings; transport and protect food and perishables; and increase industrial productivity and efficiency. We are committed to a world of sustainable progress and enduring results.

The Haskel logo, featuring the word "Haskel" in a large, blue, cursive script font with a registered trademark symbol (®) to the right.