



PRODUCT OVERVIEW

PERFORMANCE • QUALITY • RELIABILITY



Welcome to Haskel

HASKEL IS AN INTERNATIONAL ORGANIZATION OFFERING A WORLDWIDE SERVICE THROUGH THE HASKEL GROUP OF COMPANIES AND FACTORY TRAINED DISTRIBUTORS. HASKEL IS HEADQUARTERED IN BURBANK, CALIFORNIA, WITH FACILITIES THROUGHOUT THE WORLD. WE HAVE BUILT AN ENVIABLE REPUTATION FOR QUALITY BASED ON HIGH PRESSURE FLUID

AND GAS HANDLING EQUIPMENT. OUR CONTINUED INVESTMENT IN TECHNOLOGY ENSURE THAT HASKEL WILL STAY AT THE LEADING EDGE OF HIGH PRESSURE TECHNOLOGY.

THIS BROCHURE INTRODUCES OUR GENERAL PRODUCT RANGE. TECHNICAL DETAILS AND CAPABILITIES ARE AVAILABLE ON REQUEST.

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 liquefied 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/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

Air/Hydraulic Driven Gas Booster and Air Driven Air Amplifier

- Air or gas driven models to deliver output pressure 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



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
- 6,000 psi gas storage cylinder
- High pressure valves, fittings and tubing
- Port adapters



BuTech High Pressure Valves, Fittings, and Tubing

Haskel manufactures BuTech high pressure industrial valves, subsea valves, ball valves, needle valves, check valves, fittings, filters, gauges, adapters and tubing. System components are available in every machinable alloy to handle pressures from vacuum to 150,000 psi (10,000 bar) and temperatures from -423°F (-253°C) to 1200°F (649°C).

BuTech subsea ball and needle valves are custom designed for instrumentation, process control, chemical injection and remote operated vehicle (ROV) use in the harshest environments, providing rugged protection, safety and reliability. Subsea ball and needle valves are used in template control panels, subsea well heads and Christmas trees.

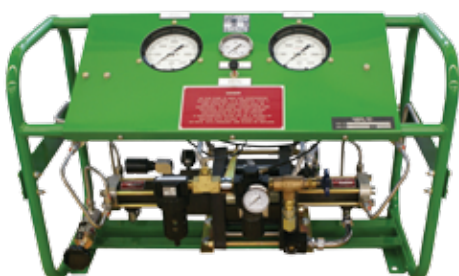
BuTech standard and subsea valves are manufactured to meet the requirements of NACE MR0175/ISO 15156-2003, API6A and 17D, ASME, ANSI and various customer specifications.

BuTech Pressure Systems takes a proactive stance on the design, development and production of new and existing products to meet the most severe applications in harsh environments.

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



CELEBRATING OVER 60
YEARS OF HYDRAULIC AND
PNEUMATIC ENGINEERING
EXPERIENCE IN THE DESIGN
AND MANUFACTURING
OF HIGH PRESSURE
GENERATING EQUIPMENT
AND CONTROLS



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