




MILITARY & DEFENSE APPLICATIONS

HIGH-PRESSURE SOLUTIONS FOR MISSION
CRITICAL ENVIRONMENTS WHERE SAFETY,
SECURITY, AND SURVIVABILITY COUNT.

LAND | SEA | AIR | SPACE

A silhouette of a soldier in full combat gear, including a helmet and a rifle, stands in the foreground on the left. In the background, a helicopter is in flight, and a tank is visible on the right. The scene is set against a bright sunset sky with a low sun on the horizon.

PROVEN.
RELIABLE.
EXPERT.
CUSTOMER-FOCUSED.

A large fighter jet, possibly an F-35, is parked on a tarmac. Several ground crew members in dark uniforms are gathered around the front landing gear, appearing to be performing maintenance or inspection. The jet is white with blue and grey accents. The background shows a clear blue sky and some distant mountains. A dark blue semi-transparent box is overlaid on the left side of the image, containing white text.

**Proven reliability for
high-pressure Defense
applications on land,
sea, air or space.**

For 75 years and counting, Haskel has been recognized as the world's leading provider of high-pressure industrial gas and liquid handling equipment. We not only lead this industry—we helped develop it. It's why the products and solutions we create perform successfully in a variety of demanding environments. And it's why we are consistently selected for mission critical applications that are fundamental to global sustainability, safety, security, research and exploration.

In the Defense industry, every need is mission critical. Haskel understands this better than anyone, and we've been providing the safe and trusted solutions that armed services know they can count on. And continue to count on.

Haskel gas boosters, for example, are designed to handle specialty applications. Boosters designed specifically for hydrogen or hydrogen fuel cell use are engineered with metals that resist hydrogen embrittlement and seals to ensure long life. And our oxygen cleaned gas boosters meet high purity standards and are designed to meet MIL-SPEC 1330D for cleanliness. We also offer IoT and autonomous operation enabled, smart, clean and quiet and gas compressors, as well as electric servo driven compression technology.

Simply put: Haskel provides the innovative solutions you need to help make the world a better, safer place.



HASKEL DEFENSE SOLUTIONS ON LAND

From actuation of military vehicle remote brake circuits to gun recoil mechanisms and more, our team can customize a solution to fit your requirements.



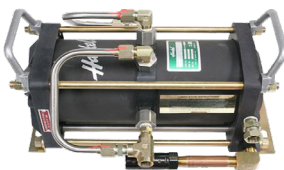
Gas Boosters

- Gun Recoil Mechanism
- Tank Suspension
- Helmet Manufacture
- Missiles Infrared Cooling Systems
- Oxygen Concentrators
- Avionic Cooling Systems



Liquid Pumps

- Charging CO2 Cylinders for Chutes
- Fire Extinguishing System Filling and Recovery (FM200, NOVEC 1230, Halon, etc.)
- Aircraft Jacking
- Hydraulic Jacks



Air Amplifiers

- Tire Inflation



Refrigerant Pumps

- CFC Recovery
- Fire Extinguishing System Filling and Recovery (FM200, NOVEC 1230, Halon, etc.)



Hydrogen Gas Boosters

- Fuelling Hydrogen Fuel Powered Vehicles



HASKEL DEFENSE SOLUTIONS IN THE SEA

From oxygen clean systems to naval artillery recoil mechanisms and beyond, our team can customize a solution to fit your requirements.



Hand Boosters

- Manual Charging of Life Support Cylinders
- Manual Oxygen and Heliox Bottle Charging
- Manual Oxygen, Nitrox and Breathing Air Bottle Filling



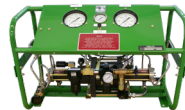
Liquid Pumps

- Charging CO2 Cylinders for Chutes
- Fire Extinguishing System Filling and Recovery (FM200, NOVEC 1230, Halon, etc.)
- Aircraft Jacking
- Hydraulic Jacks



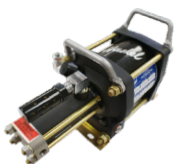
Refrigerant Pumps

- CFC Recovery
- Fire Extinguishing System Filling and Recovery (FM200, NOVEC 1230, Halon, etc.)



Oxygen Gas Booster Systems

- Oxygen and Heliox Bottle Charging for Diving Applications
- Filling of Oxygen Cylinders Onboard Aircraft
- Oxygen Equipment Cleaned to MIL-SPEC 1330D
- Emergency Oxygen Systems



Gas Boosters

- Minesweepers
- Gun Recoil N2 Charge
- Avionic Cooling Systems
- Emergency Inflation Pop Float Devices



HASKEL DEFENSE SOLUTIONS IN THE AIR

From aircraft ground support to back up oxygen supplies and more, our team can customize a solution to fit your requirements.



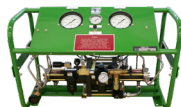
Liquid Pumps

- Charging CO2 Cylinders for Chutes
- Fire Extinguishing System Filling and Recovery (FM200, NOVEC 1230, Halon, etc.)
- Aircraft Jacking
- Hydraulic Jacks



Hydrogen Gas Boosters

- Fuelling Hydrogen Fuel Powered Vehicles



Oxygen Gas Booster System

- Oxygen and Heliox Bottle Charging for Diving Applications
- Filling of Oxygen Cylinders Onboard Aircraft
- Oxygen Equipment Cleaned to MIL-SPEC 1330D
- Emergency Oxygen Systems



Gas Boosters

- Suspension System Charging
- Life Support System Replenishment
- Charging In-Flight Bottles
- Helicopter Pop Floats
- Hydrogen Powered Drones



Air Amplifiers

- Tire Inflation



HASKEL DEFENSE SOLUTIONS IN SPACE

From rocket launches to life support systems and beyond, our team can customize a solution to fit your requirements.



Gas Boosters

- Large volume Helium transfer for blanketing, recovery and testing.
- GPS and Satellite System Launches



High Pressure Valves, Fittings and Tubing

- Specialty valves, O2 Cleaned, actuated and special materials available.

Essential Experience for the Security of the Final Frontier

In 2019 a new arm of the U.S. military was formed called Space Force. The group was formed to help facilitate federal and commercial rocket launches, operate Department of Defense (DOD) satellites – such as GPS for search and rescue missions, monitor for threats, track space debris and much more. They ensure the U.S. maintains its space superiority required to protect against hostile attacks. Haskel is part of these security efforts through our role in the launch process where helium is used for blanketing during fueling.

THE WORLD TRUSTS *Haskel* TO HANDLE HIGH PRESSURE.

An Ingersoll Rand Business



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

Haskel is the leading global innovator and manufacturer of high-pressure technology solutions. We specialize in mission critical applications that help make the world a better, safer place through a proven reputation for reliability, expertise and customer support. As an Ingersoll Rand business, we are positioned to add compounding value to customers around the globe.