



Features

Compressor Features

- Interstage hydrogen cooling ($\Delta T \leq 5^{\circ}\text{C}$)
- Realtime, app-based data access and logging
- Capable of 400bar dispense pressure
- Easy to deploy and maintain
- One year warranty along with maintenance programs

Powering Clean Energy Applications

At H2 Compressors, we understand the potential of hydrogen technology to revolutionize clean energy. Our hydrogen compressors are designed to be an enabler of your clean energy solutions, offering exceptional performance, reliability, and efficiency across diverse applications.

Built to Endure: Constructed with robust materials and cutting-edge engineering, our hydrogen compressors are built to withstand the demands of continuous operation in even the most challenging environments. This ensures a long lifespan and minimizes the need for maintenance, keeping your clean energy solutions running smoothly.

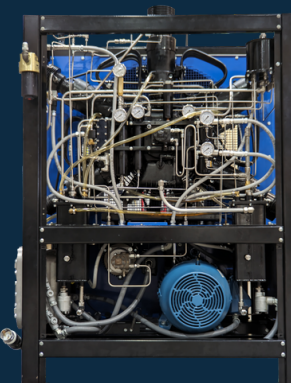
Safety First: Safety is paramount at H2 Compressors. Our hydrogen compressors incorporate industry-leading safety features to minimize risks and ensure the safe operation of your hydrogen infrastructure. These features include pressure relief valves, leak detection systems, and remote emergency shutoff devices.

Space Saving Design: For businesses looking to integrate hydrogen technology into facilities with limited space, H2 Compressors offers a compact hydrogen compressor. This space-saving design allows for easier integration into existing infrastructure, making them ideal for companies taking their first steps towards clean energy adoption.

H2 Compressors' hydrogen compressors are more than just equipment; they are the foundation for a safer, cleaner and more sustainable future. Contact us today to discuss your specific needs and explore how our hydrogen compressors can empower your clean energy journey.

Get In Touch

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Hy-Press-150 Specifications



About Us

H2 Compressors LLC is an emerging company with over 100 years of combined experience in the compressor and hydrogen markets. Combined, H2 Compressors intends to become a leader in providing hydrogen specific compressors with its innovative designs and features while focusing on what the market needs: low cost, short lead times, and top-notch customer support. As true hydrogen enabler, H2 Compressors also integrates its Hy-Safe line of hydrogen safety equipment that wirelessly integrate into our hydrogen compressors for NFPA compliance; we truly want to make it easy on the customer to adopt hydrogen as the fuel of the future.

As part of the H2 Strategics LLC family, H2 Compressors plays a key part in our mission to provide hydrogen enabling products and services. Our sister companies, leaders in hydrogen transportation and storage solutions, include: GTL Leasing LLC and NorAm Cylinders LLC. Call us to see how we can assist in advancing your hydrogen projects.

Model	Hy-Press-150
Compressor Type:	4-Stage, 5-Cylinder Radial Reciprocating
Area Classification	NFPA 70 Class 1, Division 2, Groups B
Compressor Performance Specifications	
Flow Rate (Capacity):	30SCFM @ 150 PSIG [10.3 Bar] Inlet Pressure
Maximum Discharge Pressure:	6500 PSI [448.2 Bar]
Suction Pressure Range:	150 PSIG [5.1-10.3 Bar]
Electrical Requirements	
Power Supply:	480VAC, Three-phase, 60A, 60Hz
Drive Motor Power:	25HP [18.65kW]
Standby Power	Battery
Weight and Dimensions	
Dimensions (D x W x H):	24.05" x 51" x 47.2" (611mm x 922mm x 915mm)
Weight	1,800lbs. (816 kg)
Control and Safety Features	
Control System:	PLC (Logic:IEC 61131-3), HMI (7.0" Resistive Touchscreen)
Telemetry System (std):	Realtime Status, Remote Configuration, Alarms
SCADA Abilities	TCP/IP Modbus, Cellular LTE, Satellite (Optional)
Compressor Monitoring (Real Time and Data Logged)	
Temperature Monitoring: Lower and Upper Oil Temperature Minimum: 60 Deg. F., Maximum: 165 Deg. F. (Field Adjustable) Cylinder 5 Head Temperature	
Pressure Monitoring: Lower and Upper Oil Pressure Inlet Pressure Discharge Pressure	
Environmental Conditions	
Ambient Temperature Range:	40° - 114°F [4.5 - 45.5°C]
Altitude:	10,000 ft.
Noise Level:	80dB @ 6 ft. / 60dB @ 15 ft.
Optional Wireless Accessories	
Emergency Shutdown System (ESD) Modules Infrared Flame Detection System Gas Detection System	
Warranty and Maintenance	
Standard	1 Year
Extended Warranty Available	Yes
Optional Maintenance Program	Yes