

H-DRIVE

Hydraulic Driven
Gas Boosters



Haskel[®]
An Ingersoll Rand Business

H-DRIVE

High-Pressure Compression, Redefined.

Engineered for excellence, the H-Drive booster sets a new benchmark in high-pressure gas compression.

Designed to handle a wide range of gases with unmatched safety, reliability, and efficiency, it's the go-to solution for demanding applications.

Backed by Haskel's decades of expertise in high-pressure technology, the H-Drive compressor is not just a product – it's a promise of performance.

Delivering high-pressure exactly when and where you need it.

Whether working with Hydrogen, CNG, Nitrogen, Argon, Helium or other gases, from alternative vehicle fueling, to tube trailer supply and Helium blanketing, H-Drive sets the standard in reliability.

This state-of-the-art product range also sets the standard in flexibility, with a modular design that allows for greater flexibility in system design and easy upgrades to custom configurations as needs progress.

Why choose H-Drive?

- Designed to compress a wide range of gases up to pressures of 1034 bar (15,000 psi).
- Suitable for a range of dynamic inlet pressures to accommodate various different applications.
- Constructed from hydrogen suitable materials to resist hydrogen embrittlement.
- Available as a standalone piece of equipment or as a packaged solution provided by the H-Drive System Module.
- Suitable for constant 24/7 operation or daily intermittent use when demand fluctuates.
- Available as a single stage configuration or a two stage configuration when higher ratios of compression are required.
- Oil & contaminant free compression suitable for ultra-high gas purity applications.
- ATEX certified – EX II 3G II C
- Speed turn down and cycle control for variable gas flowrates.

Engineered to Perform.

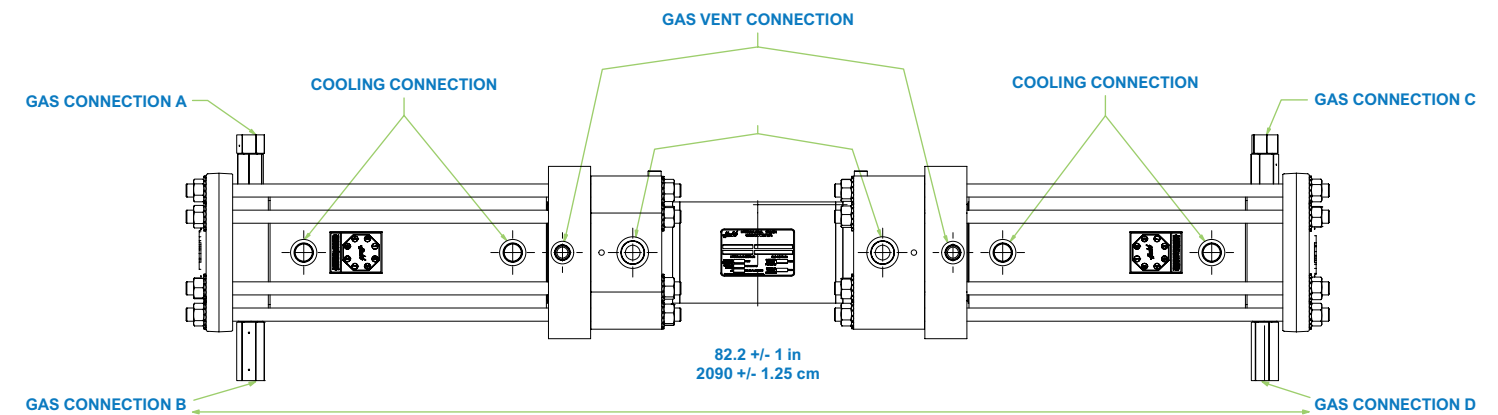
H-Drive is purpose-built to deliver consistent performance across a broad spectrum of operating pressures.

Designed with serviceability and efficiency in mind, its advanced sealing system ensures extended operational life and reliable performance under continuous heavy-duty conditions.

H-Drive offers a streamlined, high-pressure solution ideal for hydrogen refueling infrastructure and other critical gas compression applications.

Model	Condition Limitations			Typical Scenario Performance at 15 cycles/min		
	Min. Inlet Pressure	Max. Outlet Pressure	Max. Compression Ratio	Inlet (bar)	Outlet (bar)	
Single stage and double acting models	H24-150	50 (3.45)	4500 (310)	6:1	30 50 84 115 173 500	180 300 500 690 1034 1034
	H24-90	50 (3.45)	10,000 (690)	6:1		
	H24-63	100 (6.9)	15,000 (1034)	6:1		
Two stage and double acting models	H24-150/90	50 (3.45)	10,000 (690)	36:1	30 50 84 115 173 500	180 300 500 690 1034 1034
	H24-150/63	50 (3.45)	15,000 (1034)	36:1		
	H24-90/63	50 (3.45)	15,000 (1034)	36:1		

Contact your local sales office to determine the correct H-Drive for your application.



Gas Piston(s) Size

Single Stage:	Two Stage:
150	150/90
90	150/63
63	90/63

H24 — 150 — 0
Model

Proximity Switch

0	None (Plugged)
2	Complete with switch



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