



# Q-DRIVE

## Redefining what a gas booster can do

Q-Drive, a smart, electric servo actuated Gas Compression System transforms gas compression through a unique combination of proven technologies and unprecedented 4.0 intelligence. Optimize performance with unparalleled controls that improve visibility of real-time operations, increase efficiency and limit downtime. Q-Drive delivers unmatched value and best-in-industry performance.



## ADVANCED GAS COMPRESSION WITH PROVEN TECHNOLOGIES

- Clean compression, oil-free non-lubricated gas piston
- Quiet operation, <85 dB operating
- Simplified maintenance, reduced downtime
- Smart, virtual self-diagnostics
- Maximized efficiency with servo motor and high-level control
- Adjustable profile for maximum output
- Infinite controllability
- Lower operating costs, reduced power consumption
- Self-correcting intelligence fewer points of failure



### Remote Operation & Monitoring

Intuitive programming & network connectivity for remote control and monitoring.



### Autonomous Operation

Internal operation monitors for overheating & over-pressurization — no unnecessary stoppage.



### Turnkey System

Ready-to-go system with valves, sensors, drives, and controls — just connect gas, power & coolant.

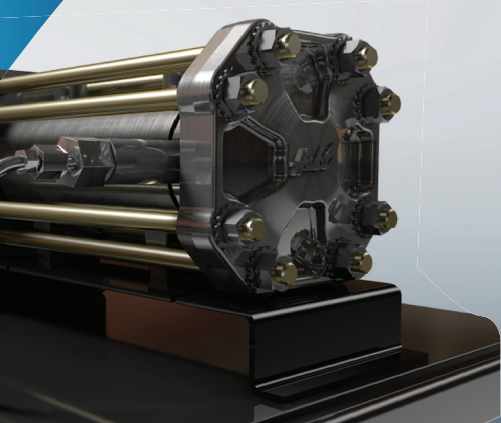


### Optimal Performance & Safety

20+ sensing elements for optimal performance, reliability, and safety.

[haskel.com](https://www.haskel.com)

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## ELECTRIC SERVO DRIVE

The combination of two proven technologies, Haskel gas sections with electric servo drive technology, revolutionizes gas compression.

Q-Drive's electric servo drive motor creates linear actuation, providing greater process control and high precision movement.

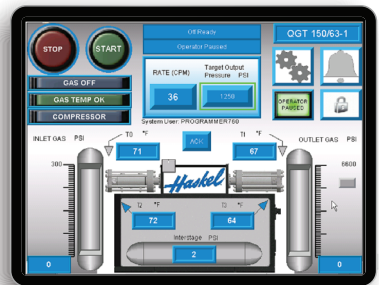
- Smaller footprint without lost flow rate and pressure
  - Superior design with quick-change seal components, the fastest in the industry
  - 25% less energy required for cooling than standard hydraulic intensifiers
  - Highest energy efficiency in the gas compression industry
  - Electric servo motor up to 96% efficient
  - Automatic force and velocity control to maximize efficiency and flow
- Fewer points of failure and maintenance requirements than hydraulic or diaphragm technologies

## INTUITIVE USER INTERFACE FOR ADVANCED MONITORING

Q-Drive's human machine interface (HMI) optimizes user capabilities and safety for improved functionality. Acting as a built-in facility manager, the digital interface is designed to reduce risk and operational downtime. The user interface is fully programmable and adjustable for easy access to diagnostics and troubleshooting.

### KEY FEATURES:

- Remote access - alerts can be received off-site
- Self-correcting functionality - controls map to system
- Predictive maintenance - reduced costs through automated reminders
- Reduced disruption - system runs at lower levels rather than full shutdown
- Multiple account access levels - Supervisor, Operator, Service



Model	Min Inlet (psig)	Max Inlet (psig)	Max Outlet (psig)	Max Flow N2 Flow (SCFM)	Max Flow CO2 Flow (SCFM)	Max Flow Helium Flow (SCFM)	Max Flow Argon Flow (SCFM)
QGD-150	75	1150	1150	292.6	361.3	287	302
QGD-90	75	3200	3200	286.3	107.1	247	299
QGD-63	75	6500	6500	267.2	660.1	256	297
QGT-150/90	75	425	3200	106.8	209.3	105	110
QGT-150/63	75	200	6500	48.4	104.3	48	49
QGT-90/63	75	1400	6500	125.4	315.4	120	131

Q-Drive is suitable for all inert gases. The chart above is an example of performance by certain gases.

Learn how Q-Drive can work for you  
 Contact Us: [sales@haskel.com](mailto:sales@haskel.com)

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