

*Haskel*

# Q-DRIVE

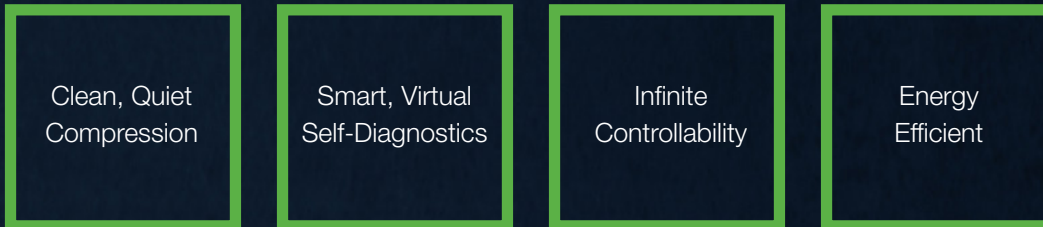
A UNIQUE SERVO-ELECTRIC GAS BOOSTER

Breakthrough compression technology that's smart, clean,  
and delivers high volumes and unmatched efficiency—quietly.



# ENGINEERED WITH THE RELIABILITY AND SAFETY YOU EXPECT FROM HASKEL.

Q-Drive is revolutionizing gas transfer and compression. Designed with smart servo electric-drive technology, Q-Drive delivers efficient, clean, and quiet compression. This innovative gas booster is built to offer optimal performance and high flows.

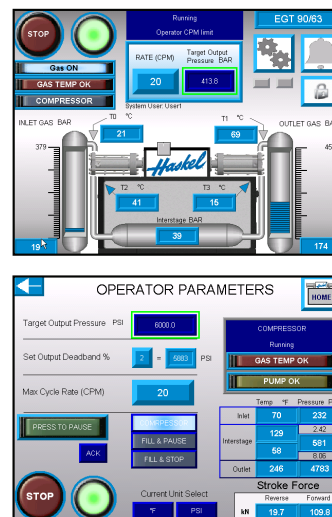


This advancement in gas transfer and compression technology reaches unprecedented levels of quietness. It's built to fully integrate with existing systems for easy implementation and its intuitive software and intelligent control modes simplify operation and minimize downtime.

## USER INTERFACE Advanced Monitoring & Diagnostics

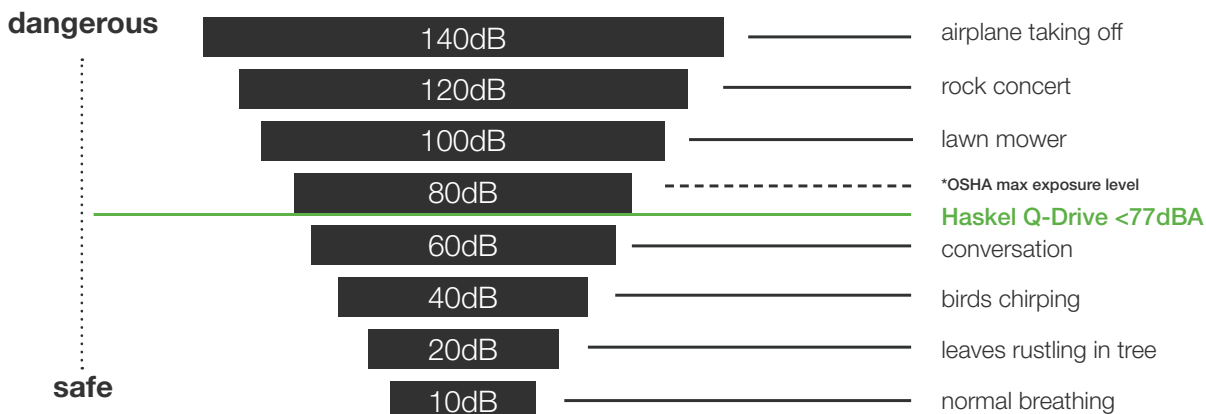
Q-Drive's user interface optimizes operational user capabilities and safety and improves gas booster functionality.

Q-Drive's intuitive design features smart controls that allow for increased visibility of the system's operations. The fully digital user interface can be programmed for maximum efficiency and allows operators to set parameters, adjusting settings as needed for improved performance. The remote access capability allows for quick and easy access to diagnostics and troubleshooting. This reduces the costly and time-consuming process of technical service in the field and system downtimes. The system's predictive maintenance feature delivers automated maintenance reminders to ensure top performance.

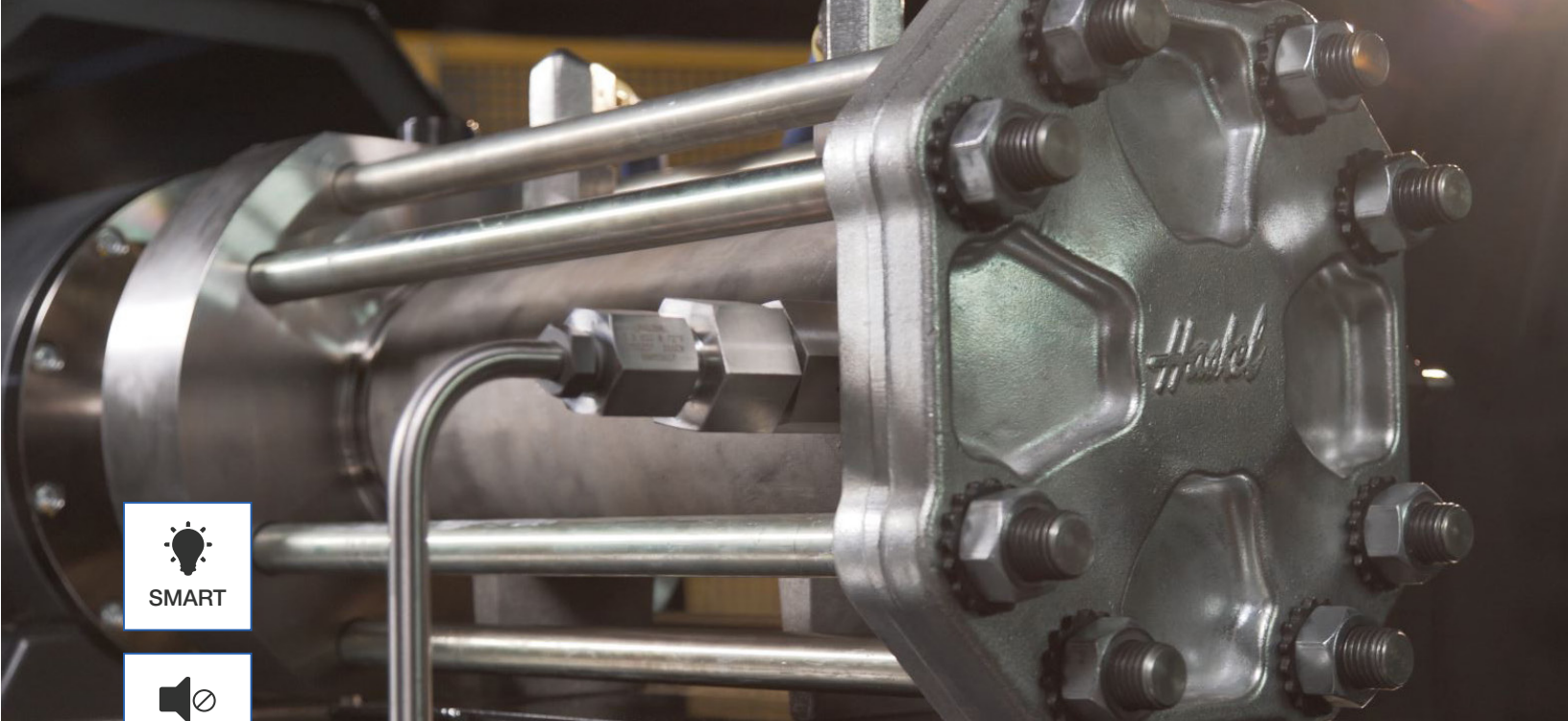


## VOLUME COMPARISON

\*OSHA recommends that employees not be exposed to noise levels greater than 85dBA







## POWERING Q-DRIVE. Electro Servo Pump Advantages

Q-Drive is built with a servo drive motor. The rotation of the 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
- Advanced diagnostic system reduces maintenance and increases uptime
- Simplified design creates less parts to break, minimizing maintenance
- Environmentally friendly with significantly less energy consumption

Model	Min Inlet	Max Inlet	Max Outlet	Rec Max CR	CPM
QGD-150	75 psi 5.2 bar	1100 psi 86 bar	1100 psi 86 bar	5:1	20
QGD-90	75 psi 5.2 bar	3500 psi 265 bar	3500 psi 262 bar	5:1	32
QGD-63	75 psi 5.2 bar	6600 psi 455 bar	6000 psi 455 bar	5:1	32
QGT-150/90	75 psi 5.2 bar	280 psi 28 bar	3500 psi 262 bar	25:1	26
QGT-150/63	75 psi 5.2 bar	280 psi 24 bar	6000 psi 455 bar	25:1	26
QGT-90/63	75 psi 5.2 bar	1500 psi 138 bar	6000 psi 455 bar	25:1	32

*These performance values are only estimates. Actual system performance depends on several different items, including: type of gas, temperature of gas, temperature and flow rate of coolant. If the system temperature gets too high, Q-Drive control will automatically reduce the speed of the system.*

*Please contact a Haskel Applications Engineer with your specific system requirements to determine which configuration is best for your specific application and for an application-specific performance estimate.*

# INNOVATION THAT SHAPES THE FUTURE

Haskel, the leader in gas booster technology for over 70 years, offers the widest range of gas boosters with three distinct drive technologies: pneumatic, hydraulic and electric. We continuously work closely with customers to meet advancing industry needs.



## GLOBAL COVERAGE

World-wide service from a global network of service and repair centers.



## PROVEN TECHNOLOGY

Unrivaled reputation for safety, quality, performance and innovation.



## QUALITY

Committed to customer satisfaction and continuous improvement. Accreditations: ISO, ATEX, CE and more.



## TECHNICAL SUPPORT

Extensive product and application knowledge backed by our international network of engineering experts.

## GAS BOOSTER COMPARISONS

### LIMITATIONS

- **AIR-DRIVEN**  
Limited flow rates, very energy inefficient, noisy operation, not designed for continuous operation, limited control
- **HYDRAULIC**  
Noisy, large footprint, hydraulic leaks cause contamination (safety and environmental issues), cooling required, difficult controllability, pressure spikes wear on seals
- **ELECTRIC-DRIVEN**  
Cooling required

### BENEFITS

- **AIR-DRIVEN**  
Inexpensive method of transferring or boosting high-pressure gas, compact, intrinsically safe, simple installation
- **HYDRAULIC**  
Higher flow rates than pneumatic driven, energy efficient (approximately 3x more efficient than Air-Driven Boosters), capable of 100% duty cycle
- **ELECTRIC-DRIVEN**  
Infinite controllability, programmable virtual diagnostics, clean, quiet (<80dBA), environmentally friendly, more efficient than other boosters, 100% duty cycle

CONTACT HASKEL

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