



HIGH-PRESSURE HYDROGEN REFUELING SOLUTION COMPARISON

	Q-Drive X Electric Servo Driven Compressor	Diaphragm Compressor	Hydraulic Driven Gas Booster
Gas Compression	✓	✓	✓
Hazardous Media/ Environment	✓	✓	✓
High Purity (99.999%)	✓	✓	⚠
Low Inlet Pressures (20psi)	⚠	✓	✗
High Compression Ratios (<10)	✓	⚠	✓
Multi-Stage Compression	✓	✓	✓
High Pressure >950 bar	✓	✗	✓
High Flow Rates (250 scfm)	✓	⚠	✓
Advanced Machine Controls & Efficiency	✓	✗	✗
Supports Frequent Starts & Stops	✓	✗	⚠
Adjustable Cycle Rate	✓	✗	⚠
Process Contamination Risk	✓	✓	⚠
Start Up Costs	⚠	✗	⚠
MTBF	✓	✗	✗
Smart Diagnostics & Predictive Maintenance	✓	✗	✗
Footprint	✓	✗	✗
Ease of Installation	✓	✗	✗
Sound Level (<77dBA)	✓	✗	✗
Maintenance/Service Requirements	\$	\$\$\$	\$\$\$
Operating Costs	\$	\$\$\$	\$\$\$

✓ = Ideal solution ⚠ = Possible (consult manufacturer) ✗ = Not recommended
 \$ = Lower cost \$\$\$ = Average cost \$\$\$ = Higher cost

We're here to help you find the right compression technology for your application. Ready to get started? [Contact us, haskel.com](https://www.haskel.com) | sales@haskel.com

