Short description

LPI Hydrogen injector

Designed for hydrogen port fuel injection, the LPI injector enables mobile off-highway applications and decentralised energy systems to significantly reduce greenhouse gas emissions in the future.
The hydrogen injector allows high flow rates and is therefore suitable for engines with higher performance. Delivering exceptionally consistent injection quantity by maintaining a stable flow rate, the LPI ensures precise control and optimal engine performance. Utilising advanced sealing technologies, it is completely leakage-free, enhancing both safety and combustion stability. This port fuel injector is highly versatile, making it suitable for a broad range of engine sizes and power ratings, positioning it as the ideal choice for hydrogen engine fuel systems.

Features
Robustness against high vibration values and various hydrogen purity classes
Direct actuated injector
Platform designed for 12 g/s @ 15 bar
Gas-tight design
Good dry running capabilities, no lube oil required
Hermetically separated solenoid drive concept
Top-feed and side-feed injector variants
Integrated last chance filter

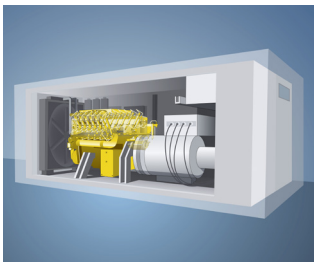
Injection systems
LiGO

LIEBHERR

LPI Hydrogen injector

Technical information	
System pressure	2 – 15 bar
Max. pressure	15 bar
Flow rate	12 g/s @ 15 bar
Max. power per engine cylinder	~ 65 kW/cyl
Min. quantity capability	~ 2 mg/stroke
Weight	~ 0.35 kg
Electrical connector	2-pole connector, code A, contact pin 2.8x0.8
Injector configuration	Top-feed or side-feed
Hydrogen fuel temperature	-40 °C to +120 °C
Fuel phase	gaseous

Applications:
Agriculture / Forestry, Civil Engineering, Marine, Power Generation

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