Short description

LPI Liquid alternative fuels injector

The LPI injector for liquid alternative fuels has been designed to operate with methanol, ethanol or ammonia and enables mobile off-highway applications and decentralised energy systems to significantly reduce net greenhouse gas emissions. Its capability to handle high flow rates makes it ideal for high-performance engines. By maintaining a stable flow rate, the LPI delivers exceptionally precise injection quantities, ensuring accurate control and optimised engine performance.
Advanced sealing technologies make the injector completely leakage-free, enhancing both safety and combustion stability. Its adaptable design supports a wide range of engine sizes and power ratings, positioning as a versatile option for alternative fuel injection. Additionally, the LPI injector features a variable nozzle length, enabling it to accommodate various applications.

Features
Compatible with methanol, ethanol and ammonia
Robustness against high vibration values
Direct actuated injector, leak-free
Platform designed for flow rates up to 200 ml/ms @ 30 bar
Customisable configuration of flow and nozzle holes
Customisable nozzle length
Hermetically separated solenoid drive concept
Top-feed design
Integrated last chance filter
Compact design - easy to package
Marine connectors for double-walled pipes
Suitable for single fuel or dual fuel applications

Injection systems
LiGO

LIEBHERR

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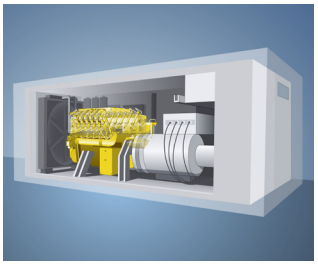
Technical information	
System pressure	5 – 30 bar
Max. pressure	30 bar
Flow rate	max. 200 ml/ms @ 30 bar
Nozzle length	customisable, min 50 mm/max 100 mm
Max. power per engine cylinder	~ 150 kW/cyl (depending on fuel & application)
Electrical connector	2-pole connector, code A, contact pin 2.8x0.8
Injector configuration	Top-feed with axial inlet
Fuel phase	liquid

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

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