



Reduce emissions and save costs

Hydrogen-Diesel Introduction System

What is it?

The self-contained Hydrogen-Diesel Introduction System, incorporating a hydrogen-on-demand generation system, considerably reduces emissions on internal combustion engines.

The technology includes sophisticated electronics which are demand responsive to hydrogen flow to optimise engine performance.

Reducing fuel consumption by up to 14% and increasing torque by up to 10%, the system delivers an excellent return on investment with proven performance and reliability in multiple applications and environments.

Available as horizontal or vertical configuration for easy installation, using pure distilled water only, the system starts and operates only when the engine is running and is retrofittable to existing diesel engines.

Applications

Applications for the Hydrogren-Diesel Introduction System are incredibly wide ranging from:
Logistics, Quarries & Construction, Industrial
& Manufacturing, Power Generation to
Transport & Marine.





Economic
Reduces fuel
consumption by
up to 14%



Environmental Reduces harmful emissions by up to 80%



Safe
No hydrogen storage
and no acids or
chemicals used



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Frequently Asked Questions

Q Where is the hydrogen stored?

A There is no hydrogen storage, the hydrogen is produced from demineralised water on demand.

Q How is the water supply topped up for long running times?

A An automatic water refill option* from a reservoir is available for long run times, including operations running 24/7.

Q Can the unit be used on higher output engines?

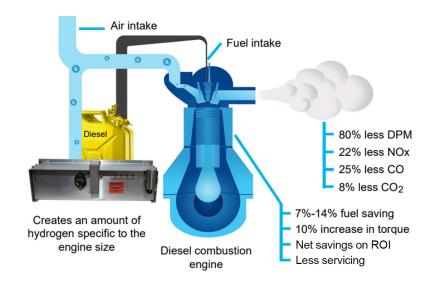
A Yes, multiple units can be daisy-chained for such scenarios.

Q Will it work with biodiesel?

A Yes, it works with all biodiesels and biofuels.

*Additional cost.

How it works



Outline Specification

Models	Dimensions	Engine Size	Engine Size
HY1500 & HY2500 - V (Vertical)	W 700mm x D 260mm x H 175mm	HY1500 up to 15 litre	HY2500 up to 25 litre
HY1500 & HY2500 - H (Horizontal)	W 220mm x D 250mm x H 660mm	HY1500 up to 15 litre	HY2500 up to 25 litre
HY3000 & HY6000 - H (Horizontal)	W 672mm x D 345mm x H 672mm	HY3000 up to 30 litre	HY6000 up to 60 litre

Weights (including/excluding water)		
Horizontal	21.3kg / 19kg	
Vertical	21.3kg / 19kg	
Cooling block (if fitted)	4kg	
Hydrogen output	Approximately 0.7 litres per minute (varies with power setting)	
Construction	316 stainless steel, folder and welded. Weatherproof and dustproof	
Activation	Operates only when the engine is running	
Electrical input	Adjustable, range 7 amp to 30 amp on 12v or 24v systems	
Consumable	Demineralised water, app. 1 litre / 37 hours	
Water capacity	2.3 litre internal tank	
Operating temperature	1°C to 60°C (heated blanket available for sub zero operating temps)	
Service period	Every six (6) months 24/7 operation	

NB: Above figures based on standard model on a 16 litre engine $\,$

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