

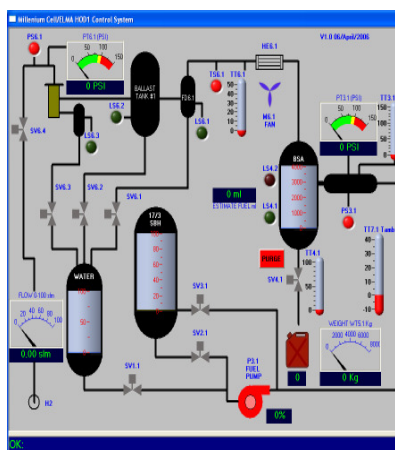
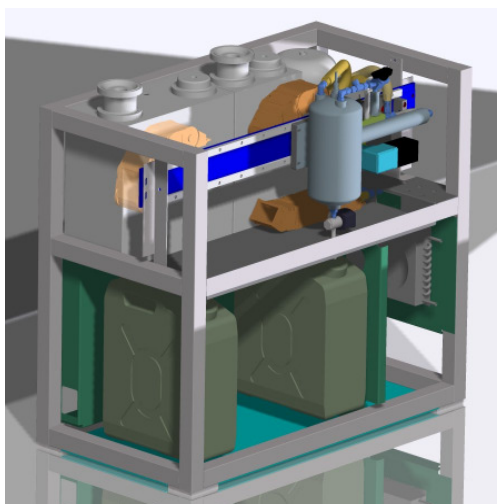
5 kW HOD Hydrogen Generator

Performances

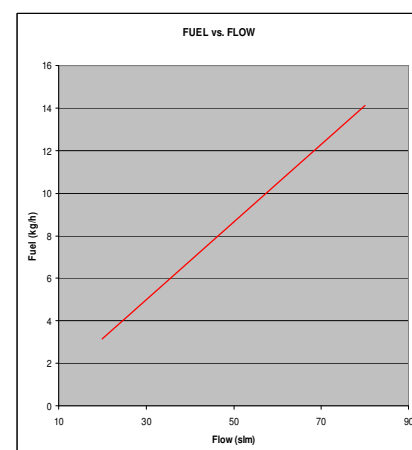
Power: 5 kW
H₂ flow: 3.8 m³/h
Max Pressure: 90 psi (6 bar)
**Gas: Pure Hydrogen (CO < 0.5 ppm;
 CO₂ < 10 ppm)**
Autonomy (max power): 3 h



5 kW HOD Hydrogen generator



Supervisor interface



Fuel consumption vs. H₂ flow

Characteristics

Fuel: NaBH₄ in water solution
NaBO₂ tanks: 4 x 20 l
Startup time: 2' 30"
Shutdown time: 5'
Size (l x w x h): 115x60x110 cm
Weight: about 200 kg

HOD Hydrogen generator produces pure Hydrogen through chemical reaction from Sodium-Borohydride NaBH₄, using patented catalysts (Millennium Cell).

4 atoms are given by Sodium-Borohydride and 4 atoms are given by water.

Hydrogen is produced only in desired quantity, in order to maintain constant output pressure to compatible values with traditional fuel cells systems.

The Hydrogen production cycle is managed by a control process entirely developed by El.Ma.