



hydrogenWorks

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PEM hydrogen generators

Hart HP 60030 Series



High pressure electrolyzers can be used in a variety of current applications, replacing inconvenient bottled hydrogen:

- Electric generator cooling
- Materials processing
- Fuel for modified to H₂ internal combustion engines (H₂ICEs) and other thermal applications
- Welding
- Military purposes
- Fuel cells
- Oxygen for medical purposes and life support (diving, submarines, aerospace)

Fail safe Electronic Control system designed having safety as the topmost priority

Electric power supply can also be adapted for coupling with any electricity source, including renewables such as wind or photovoltaic

Characteristics	Units
H ₂ production	0.6-2.4 Nm ³ /h (21 – 84 scfh)
O ₂ production	0.3 – 1.2Nm ³ /h (10.6 -42 scfh)
H ₂ output pressure	up to 150 bar (2,175 psi)
Hydrogen Purity	>99.999 %
Water consumption ^I	0.6 -2.4 l/h (0.16 -0.63gal/h)
Water quality ^{II}	ASTM Type II (<1μS)
Power consumption ^{III}	4.5 kW (full load)
Dimensions (cm) ^{IV}	200 x 185 x 100
Warranty	2 years or 20,000 hours
^I Water recovery enabled ^{II} Optional Water conditioner	^{III} Maximum production stabilized ^{IV} Customizable



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