

ON-SITE HYDROGEN PRODUCTION

POWERING THE GLOBAL ENERGY TRANSITION

BayoTech is an energy technology company offering hydrogen production solutions through sales, rentals, leases, and gas-as-a-service to customers worldwide. Headquartered and produced in New Mexico, USA, BayoTech's on-site hydrogen generators are more efficient than legacy steam methane reformers, leading to lower carbon emissions and low-cost hydrogen.

BAYOTECH VALUE

COST EFFECTIVE

- On-site hydrogen for less than \$2/kg
- Lease, rental & gas-as-a-service options
- Upgrade on-demand

GUARANTEED PERFORMANCE

- 96% up-time performance guarantee
- Bundled maintenance and service program
- 24/7 remote monitoring

LOW/NO CARBON SOLUTION

- Eliminate liquification & transportation
- Use RNG to produce renewable hydrogen
- Ask us about carbon capture

HYDROGEN ON DEMAND OPTIONS

- Pay by the kilogram with gas-as-a-service
- No upfront capital requirements
- Bundle H₂ supply, compression, storage & dispensing

LOW-COST, LOW/NO CARBON HYDROGEN SOLUTIONS

SYSTEM SPECIFICATIONS

Quality Standard:	SAE J2719
Hydrogen Purity:	>99.999%
Output Pressure:	< 10 bar

BayoTech Model		H2-200	H2-500	H2-1000
Hydrogen Output	(kg/day)	200	500	1,000
	(scf/day)	84,500	211,650	423,300
	(Nm ³ /hour)	93	232	464

Utilities

Natural Gas	(mmbtu LHV/day)	34	85	169
	(mmbtu HHV/day)	38	94	188
	(kWh LHV/day)	9,930	24,830	49,650
	(kWh HHV/day)	11,000	27,500	55,00
Sulfur	(ppm)	< 10	< 10	< 10
Pressure	(psig)	170	170	170
Power	(kWh/day)	200	500	950
Water, potable	(gal/day)	525	1,300	2,600
Water, discharge	(gal/day)	250	625	1,250

Emissions

CO ₂ (Gross/Net):	8.9-10.1 kg/kg H ₂
SO _x :	Negligible, removed before conversion
NO _x :	Complies with local limits
Noise:	< 80 decibels at 20 feet

scf measured at 1 atmosphere and 70°F and Nm³ measured at 1 atmosphere and 0°C

Low-Cost, Low/No Carbon Hydrogen Solutions

BayoTech's on-site hydrogen generators leverage high heat recuperation to achieve greater energy efficiency.

Compact in size, our modular units tap into existing natural gas pipelines or co-located biogas resources, to site hydrogen production at the point of use, eliminating the cost and emissions of liquefaction and transportation.

Higher efficiency and avoided transport translate into a lower carbon footprint. Carbon intensity can be further reduced or go negative by using biomethane or adding carbon capture.

Scott Dyer
VP Business Development

+1 (970) 215-3161

Scott@BayoTech.us

www.BayoTech.us



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