

Hydrogen G4800

Laboratory Hydrogen Gas Generator



PROTON

THE LEADER IN **ON SITE** GAS GENERATION.

TECHNICAL FEATURES	G4800
PURE HYDROGEN OUTPUT RATE*	4800 cc / min
ELECTROLYTE SYSTEM	Proton Exchange Membrane (PEM) solid electrolyte, maintenance and caustic-free
HYDROGEN PURIFICATION TECHNOLOGY	PSA, Molecular sieve
HYDROGEN INVENTORY AT FULL CAPACITY	< 2 grams
DELIVERY PRESSURE PSIG (BAR)	0-200 psig / 0-13.8 barg w/optional regulator
PURITY (ASSAY, %)	99.9999+%
IMPURITIES BY SPECIES	<1 ppm water, <1 ppm total N ₂ & O ₂ , <1 ppb hydrocarbons/halocarbons
AUTO-FILL WATER REPLENISHMENT	Standard
WATER QUALITY REQUIRED (MINIMUM)	Deionized, ASTM Type II Deionized Water (<1 micro Siemen/cm, >1 MegOhm-cm)
ELECTRICAL SUPPLY REQUIRED	205 to 240 VAC, single phase, 50 or 60 Hz
ELECTRICAL SERVICE RATING	4KVA
CORDSET	Hard wired connection
OPERATING ENVIRONMENT	Indoor, non-classified, 40°F to 95°F (5°C to 35°C), < 90% RH, ventilated
DUTY CYCLE	100% (24/7/365)
DIMENSIONS (W x D x H) (Product / Est. Shipping)	31" x 38" x 42" (79x 97x 107 cm) / 38" x 45" x 52" (97 x 114 x 132 cm)
WEIGHT (Product / Est. Shipping)	475 lbs (215 kg) / 625 lbs (284 kg)
PRODUCT CERTIFICATIONS	cTUVus (UL and CSA equivalent), CE (PED, ATEX, LVD, PED, EMC) NYFD Approval
CONTROLS AND AUTOMATION	LED high visibility display; Adjustable pressure output; Remote alarm terminal/output; Switchable psi/kPa pressure reading; Ethernet and RS232
DIAGNOSTICS AND WARNINGS	Water quality, water level, comprehensive self-diagnostics, leak sensing
MAINTENANCE	Annual filter changes
OPTIONS	Deionized water supply system, Auto-crossover manifold for backup gas supply, Pressure reducing regulator
WARRANTY	1 year

*Output measurement at 21°C and 1 atmosphere

Consult Proton Onsite Applications and Department for proper installation guidelines. Specifications subject to change.



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