



TECHNICAL DATA SHEET
HYDROGEN GENERATOR

No. SPECS-GAS-027
Rev. 0
Page 1 of 1

TITLE: HYDROGEN GENERATOR

DEPARTMENT: TECHNICAL SUPPORT

DESCRIPTION:

An online Hydrogen generator.

Provides Hydrogen for FID flames in both Total Hydrocarbon and Chromatographic gas detectors.

Also supplies Hydrogen for carrier gas used by the ILI High Speed chromatograph.

Back-up Gas supply is provided by either additional generators and the provision of an H2 Cylinder.

Processes de-ionized distilled water.

GENERIC NAME: H2 Generator
BRAND: PACKARD
MODEL: B9200
PURITY: 99.99999%

CAPACITY: 250 cc/min. (Supplies H2 to all THA and Chromatograph equipment in unit, ONLINE and OFFLINE)

PRECISION (PRESSURE CTRL): 20-90 at ±0.2 psig (140-620 at ±1.5kPa)

INPUT VOLTAGE: 100, 117, 122, 200, 220, 234, 244, (50-60 Hz, single-phase)

OPERATING TEMPERATURE: 40 - 100°F (4.4 – 37.8°C)

OTHER DETAILS: Uses Solid Polymer Electrolyte (SPE®) rather than caustic liquid electrolytes to produce H2. Distilled water is the only liquid needed by equipment.

APPROVALS/CERTIFICATION: National Fire Protection Agency (NFPA) - approved
OSHA-1910.103 Approval
CSA, UL, IEC 1010 - approved for laboratory use

APPROVAL:

Dept. Supervisor : VICTOR SAET

Date: 30th July 2002

Technical Committee : ALAN MORRISON

Date: 30th July 2002

