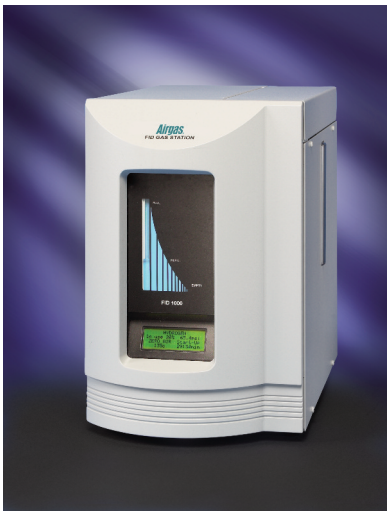
FID Gas Station H_2/Air

FID | GENERATORS



Description: The Airgas® FID Gas Station provides both hydrogen gas and zero grade air for FID detectors on gas chromatographs. This system is specifically designed to provide fuel gas to 1-2 Flame Ionization Detectors and support Flame Thermionic and Photometric Detectors.

Hydrogen Technology: Hydrogen gas is produced from deionized water using a Proton Exchange Membrane Cell. The hydrogen generator utilizes the principle of electrolytic dissociation of water and hydrogen proton conduction through the membrane. The hydrogen supply produces 250 cc/min of UHP grade hydrogen with pressures up to 90 psig.

Zero Air Technology: Zero air is produced by purifying on-site compressed air to a total hydrocarbon concentration of less than 0.1 ppm (measured as methane). The generator produces up to 1000 cc/min of zero grade air.

Gas Generator Benefits: The Airgas Gas Station is a complete system with state-of-the-art, highly reliable components engineered for the easy installation, operation, and long-term performance. The Airgas® Gas Station eliminates the need for zero air and hydrogen cylinders. With the Airgas Gas Station Gas Generator, you control your gas supply. All Airgas gas generators meet NFPA 50A and OSHA 1910.103 regulations governing the storage of hydrogen.

Design Features

Produces UHP Zero Air
from house compressed air <0.1 ppm THC and 99.9995% pure hydrogen in one enclosure.

Increased Accuracy of Analysis
reduces cleaning requirements of the detector.

Recommended and used by many GC and column manufacturers.

Cost Effective
payback typically less than one year.

Automatic water fill standard

Silent operation and minimal operator attention required

Specifications for Hydrogen	
Max Outlet Air Pressure	0–90 psig
Flow Capacity	90 ccm
Product Purity	99.9995% pure hydrogen
Outlet	1/8" Compression
Electrical Requirements	120VAC/amp
Dimensions (HxWxD)	16.5" H x 10.5" W x 17" D (42cm x 27cm x 43cm)
Weight	46 Lbs. /21 kg

Specifications for Zero Air	
Min Inlet Pressure	40 psig
Max Outlet Air Pressure	40–125 psig
Flow Capacity	1,000 ccm/2,500 cc
Product Purity	< 0.1 ppm THC (measured as methane)
Outlet	1/8" Compression
Inlet	1/4" FNPT
Ambient Air Temperature	60° F to 90° F (16° C to 32° C)

Ordering Information

Product Number	Flow Capacity (cc/min)	
Y80-FID1000	90 H_2/ 1000 Air	99.9995% (hydrogen) < 0.1 ppm THC
Y80-FID3500	250 H_2/3500 Air	99.9995% (hydrogen) < 0.1 ppm THC