

GENERATORS

Zero Air



TOC-1250 Air

Description: The Airgas® Zero Air TOC-1250 Gas Generator produces carrier/combustion gas, from an existing compressed air supply, for TOC instruments, eliminating the need for high pressure cylinders of air, nitrogen, or oxygen.

The Airgas Zero Air TOC-1250 Gas Generator utilizes catalytic oxidation and pressure swing absorption technologies to remove hydrocarbons to 0.1 ppm, and water vapor to 1 ppm (-100° F/-73° C dewpoint).

The TOC-1250 Gas Generator is a complete system with carefully matched components engineered for easy installation, operation, and long-term reliability. Installation consists of connecting the outlet to the TOC gas supply line. Plug the generator into a standard electrical wall outlet and within minutes high purity carrier/combustion gas is supplied.

Specifications

Inlet Pressure Range	65–125 psig
Max Outlet Pressure	100 psig
Flow Capacity	1.25 lpm (1,250 ccm)
Outlet Hydrocarbon Concentration (as methane)	0.1 ppm
Outlet CO ₂ Concentration	< 1 ppm
Flow Capacity	1.25 lpm (1,250 ccm)
Dewpoint	<-100° F (-73° C)
Inlet	1/4" FNPT
Outlet	1/4" FNPT
Min Required Inlet Air Flow at 100 psig	2.5 lpm (2,500 ccm)
Max Inlet Hydrocarbon Concentration (as methane)	100 ppm
Pressure Drop at Maximum Flow Rate	7 psig
Warm-up Time	40 minutes
Power Requirement	120VAC/60 Hz, 2.0 Amps.
Dimensions (WxHxD)	11" W x 17" H x 17" D (28 cm x 43 cm x 43 cm)
Weight	48 lbs. (22 kg)

Design Features

Replaces High-Pressure Oxygen or Nitrogen Gas Cylinders
hydrocarbon-free, CO₂-free compressed gas for TOC Analyzers.

Ensures Consistent, Reliable, TOC Operation
significantly reduces instrument service and maintenance costs.

Compact Design
frees up valuable laboratory floor space.

High-Purity Carrier/Combustion Gas within Minutes
meets or exceeds all TOC manufacturers' gas purity requirement.

Ordering Information

Product Number	Max Inlet Pressure (psig)	Max Outlet Pressure (psig)	Flow Rate (ccm)	Inlet Gauge Range (psig)
Y80-TOC1250	125	100	1,250	65–125

Available Options

Product Number	Description
Y80-MK7840	Annual Maintenance Kit
Y80-LK76803	Installation Kit