

Technical Information

Installation, Operation, and Maintenance Manual

Parker Balston® Zero Air Generators HPZA-3500, HPZA-7000, HPZA-18000, HPZA-30000

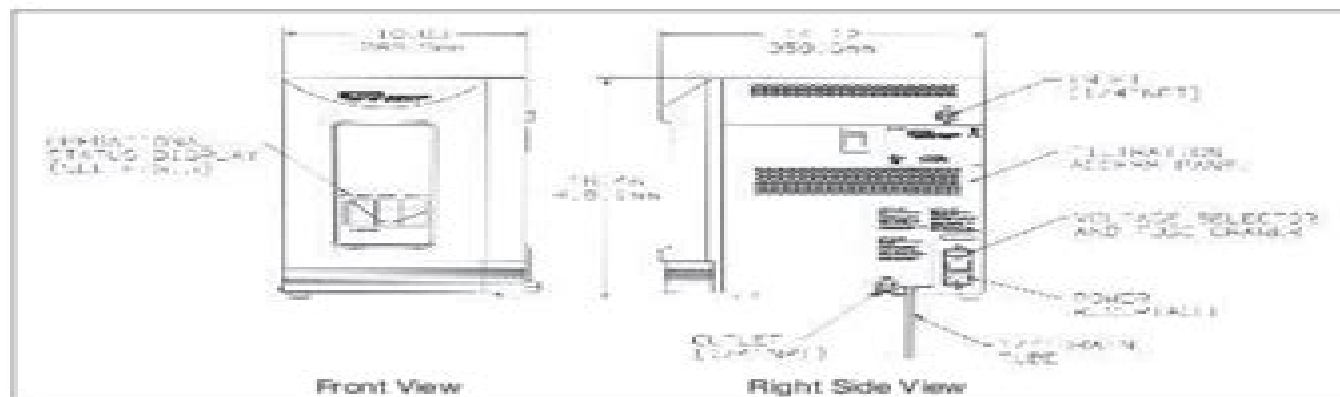


Figure 1 - Parker Balston Zero Air Generators

These instructions must be thoroughly read and understood before installing and operating this product. Failure to operate this product in accordance with these instructions could present a safety hazard to the user and will void the safety certification of the product. Modification of the unit will result in voiding the warranty. If you have any questions or concerns, please call the Technical Services Department at 800-343-4048, 8AM to 5PM Eastern Time or email at balstontechsupport@parker.com (North America only). For other locations, please contact your local representative.

Please save product packaging for future use.

General Description

The Parker Balston HPZA Series Zero Air Generators (Figure 1) are completely engineered systems which replace the use of inconvenient high pressure gas cylinders as a source of hydrocarbon-free air. The HPZA-30000 generators purify on-site compressed air to a total hydrocarbon level of less than 0.1 ppm (measured as methane). The HPZA-3500, HPZA-7000, and HPZA-18000 generators purify on-site compressed air to a total hydrocarbon level less than (or equal to) 0.05 ppm, when operated at or below the unit's maximum flow rate. Zero-grade air from a Parker Balston Zero Air Generator may be used as a source of fuel air for Flame Ionization Detectors (FID's) or as a zero reference for any instrument which measures hydrocarbon concentration.

The Parker Balston Zero Air Generators have been certified to the electrical safety requirements as specified by the IEC, CSA and UL standards. These units bear both the CSA and UL markings on the product label. Product supplied to EC carry the CE mark (220/230/240 VAC units only) and comply to EMC standards.

Engineered System

The Parker Balston Zero Air Generator is comprised of four functional component groups: prefiltration, hydrocarbon removal, cooling, and final filtration (see Figure 2).

The Parker Balston Zero Air Generator is equipped with an operational status LED display (Figure 5) on the front panel to show hydrocarbon concentration as a function of time and flow rate. A "Check System" light and an "Overflow" light have been included to alert the operator to any operational situations which require attention.

Bulletin TH-HPZA-3500H

Parker Hydrogen Generator User Manual

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