



- High performance at an economical price
- Pumping station for all ORTEC alpha spectrometers
- Adaptable to other manufacturer's alpha modules
- Interfaces with multiport manifolds
- Adaptable to 807 or 808 Vacuum Chambers
- Pump selectable for 115 and 230 volts
- Cart-mounted, for flexibility
- Fold-down handle for convenient storage
- User selectable for fast/slow pumping
- Three gas ballasting modes
- Oil anti-suckback valve
- Capacity to pump down two cabinets of spectrometers
- Anti-backstreaming oil trap
- New exhaust mist eliminator
- Vacuum gauge and thermocouple
- No assembly required

The Portable Pump Station (PPS) from ORTEC provides a convenient mechanical vacuum pump, Edwards Model RV8, for evacuating detector chambers of many types. This two-stage, rotary-drive pump is fan-cooled, with positive oil feed, wide oil level tolerance, oil anti-suckback device, and Viton seals. The pump may be configured for two pumping modes and three gas ballasting modes to match most requirements. The PPS is shipped completely assembled and filled with oil — ready to use.

The PPS consists of a cart-mounted, rotary, direct-drive mechanical vacuum pump to which is attached an anti-backstreaming trap, a thermocouple vacuum gauge, and flexible tubing with appropriate termination for connecting to an Alpha Spectrometer, vacuum chamber or manifold. Appropriate versions are available for operation at 115 V/50 or 60 Hz and 230 V/50 or 60 Hz.

Portable Pump Station

Specifications

ELECTRICAL

The electric motor for the two-stage rotary vacuum pump has dual voltage windings that may be selected to accommodate voltages in the 115-V or 230-V range. The windings are designed to accommodate either 50- or 60-Hz frequencies. Input power requirements are:

115–120 V/60 Hz — 7.2 A

110 V/50 Hz — 7.8 A

230–240 V/60 Hz — 3.6 A

220–240 V/50 Hz — 4.0 A

VACUUM

Measured at the Pump Inlet Flange, 60 Hz

DISPLACEMENT 6.7 ft³/min; 190 liters/min.

ULTIMATE VACUUM 1 millitorr.

MECHANICAL

WEIGHT

Net 36.3 kg (80 lb).

Shipping 62.6 kg (138 lb).

Ordering Information

Model	Description
ALPHA-PPS-115	115-V Portable Pump Station
ALPHA-PPS-230	230-V Portable Pump Station



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Specifications subject to change
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