**F&J SPECIALTY PRODUCTS, INC.**
*The Nucleus of Quality Air Monitoring Programs*
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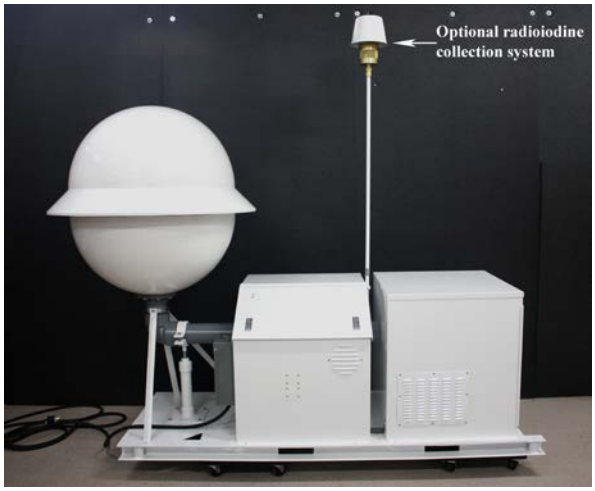
# ULTRA HIGH VOLUME AIR SAMPLER
# GLOBAL AIR SAMPLING SYSTEM
# UHV600 SERIES

## NOTABLE FEATURES:

- Flow Rates up to 600 CFM (1000m$^3$/hr)
- Centrifugal Vacuum Blower; 7.5 HP or 10 HP
- Three phase 208 VAC or 415 VAC
- Multiple Operator Selectable Options
  - — Engineering Units
  - — Reference Temperature (T) and Pressure (P)
  - — Continuous or Periodic Operation Modes
  - — Volumetric or Mass Flow
  - — Automatic Shut off on Time or Volume
  - — Multi gas selection
- On-board data storage
- Vacuum Fluorescent Display (4×24)
- Four button keypad
- Dual RS232 ports* or one USB port and one RS232 port
- State-of-the-art electronics
- Automatic flow control
- Accuracy ±3.0% or greater
- Data Acquisition Program




*The inlet RS232 port is used for the Iodine Sampler Option, or the Weather Station Option

## GENERAL DESCRIPTION:

The F&J Ultra High Volume Air Sampling System incorporates ~ 400 in$^2$ (2580.64 cm$^2$) filter holder with a heavy duty centrifugal blower, automatic flow control and the F&J Global Air Sampling System flow measurement electronics.

The system is mounted onto a heavy duty metal skid with a modular design to facilitate servicing of individual system components. The large dimension filter holder is protected from precipitation by a hemispherical rain shield.

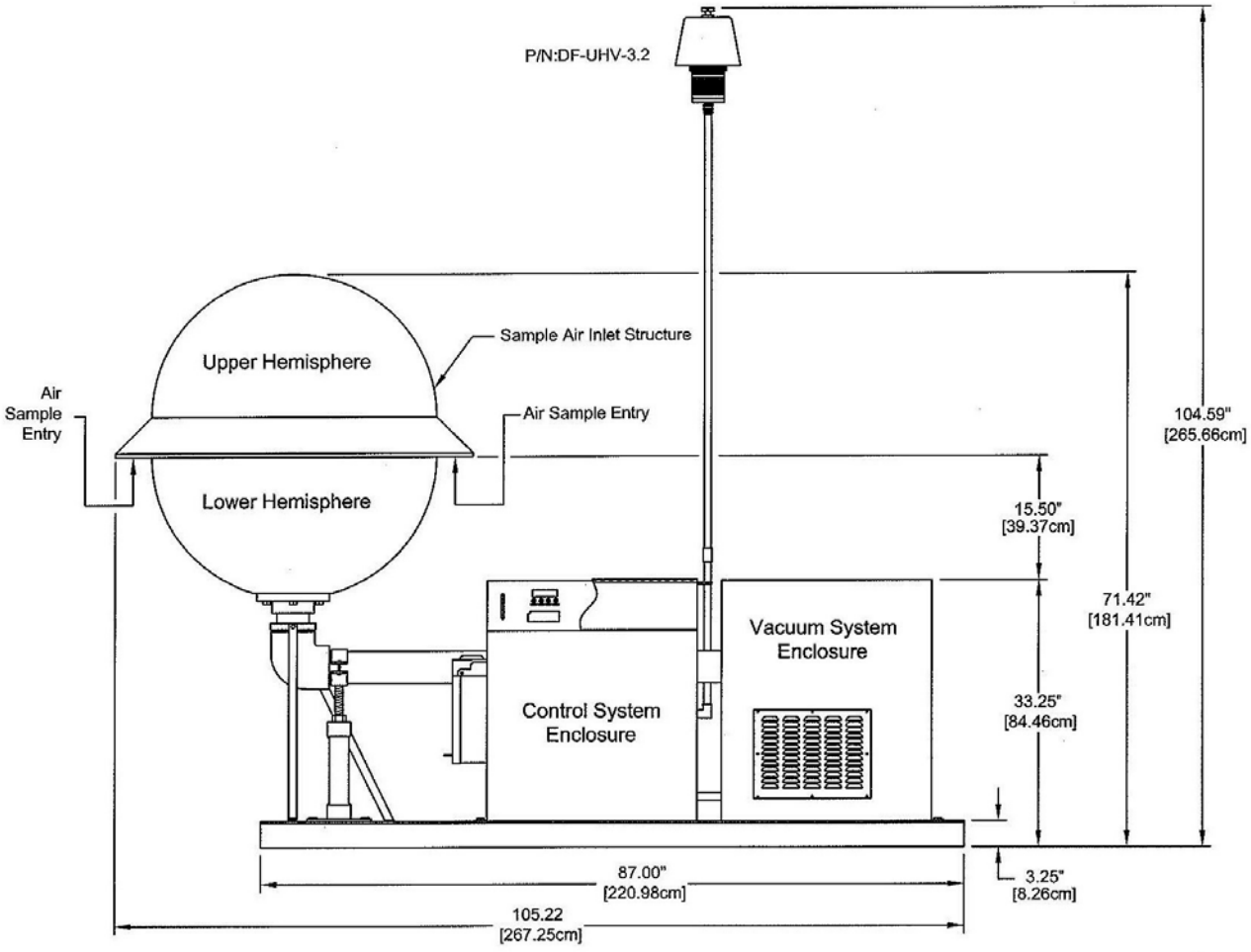
Flow rates as high as 600 CFM (1000 m$^3$/hr) are achievable depending upon the air flow resistance of the filter media. Flow control is achieved via a variable frequency drive system.

**REV:** 22 September 2014

# UHV600 Series

| | |
|---|---|
| **Motor:** | 7.5 HP or 10 HP (5.5 kW/7.5 kW) |
| **Vacuum System:** | Centrifugal Blower |
| **Maximum Vacuum:** | 68 mmHg @ 558 CFM (950 $m^3$/hr) |
| **Power Requirements:** | 208/230 V, 50/60 HZ, 3 Phase; 415/480 V 50/60 HZ, 3 Phase |
| **Maximum Flow Rate:** | 600 CFM (1000 $m^3$/hr) |
| **Typical Flow Rate Range:** | 200 – 600 CFM (340 – 1000 $m^3$/hr)* |
| **Filter Holder Active Area:** | ~400 $in^2$ (2580.64 $cm^2$) |
| **Flow Control Mechanism:** | Variable Frequency Drive |
| **Flow Measurement System:** | Precision Machined DP Sensor |
| **Flow Computer Design:** | Global Air Sampling System |
| **Option:** | Radioiodine Collection System (P/N: DF-UHV-3.2) |

* Dependent upon filter media air flow resistance




ESTIMATED WEIGHT: 450 lbs (204 kg) excluding optional radioiodine collection system