

ULTRA HIGH VOLUME AIR SAMPLER GLOBAL AIR SAMPLING SYSTEM UHV600 SERIES



F&J SPECIALTY PRODUCTS, INC.
The Nucleus of Quality Air Monitoring Programs

Innovation ▪ Performance ▪ Quality ▪ Value

NOTABLE FEATURES:

- Flow Rates up to 600 CFM (1000m³/hr)
- Centrifugal Vacuum Blower; 7.5 H.P. or 10 H.P.
- 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* 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 in² (2580.64 cm²) filter holder with a heavy duty centrifugal blower, automatic flow control and the F&J Global Air Sampling System flow measurement electronics.

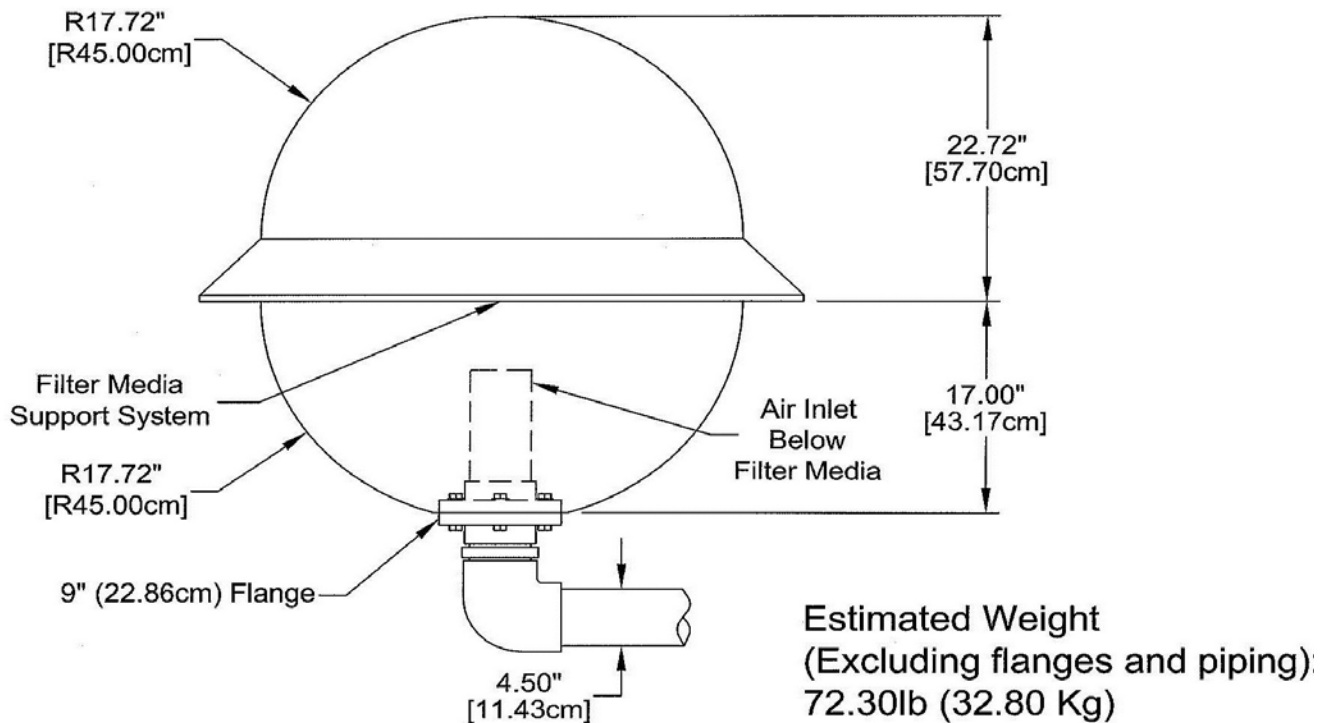
The system is mounted onto a heavy duty metal skid with a modular design to facilitate servicing of individual system components. The large dimension filter holder is protected from precipitation by a hemispherical rain shield.

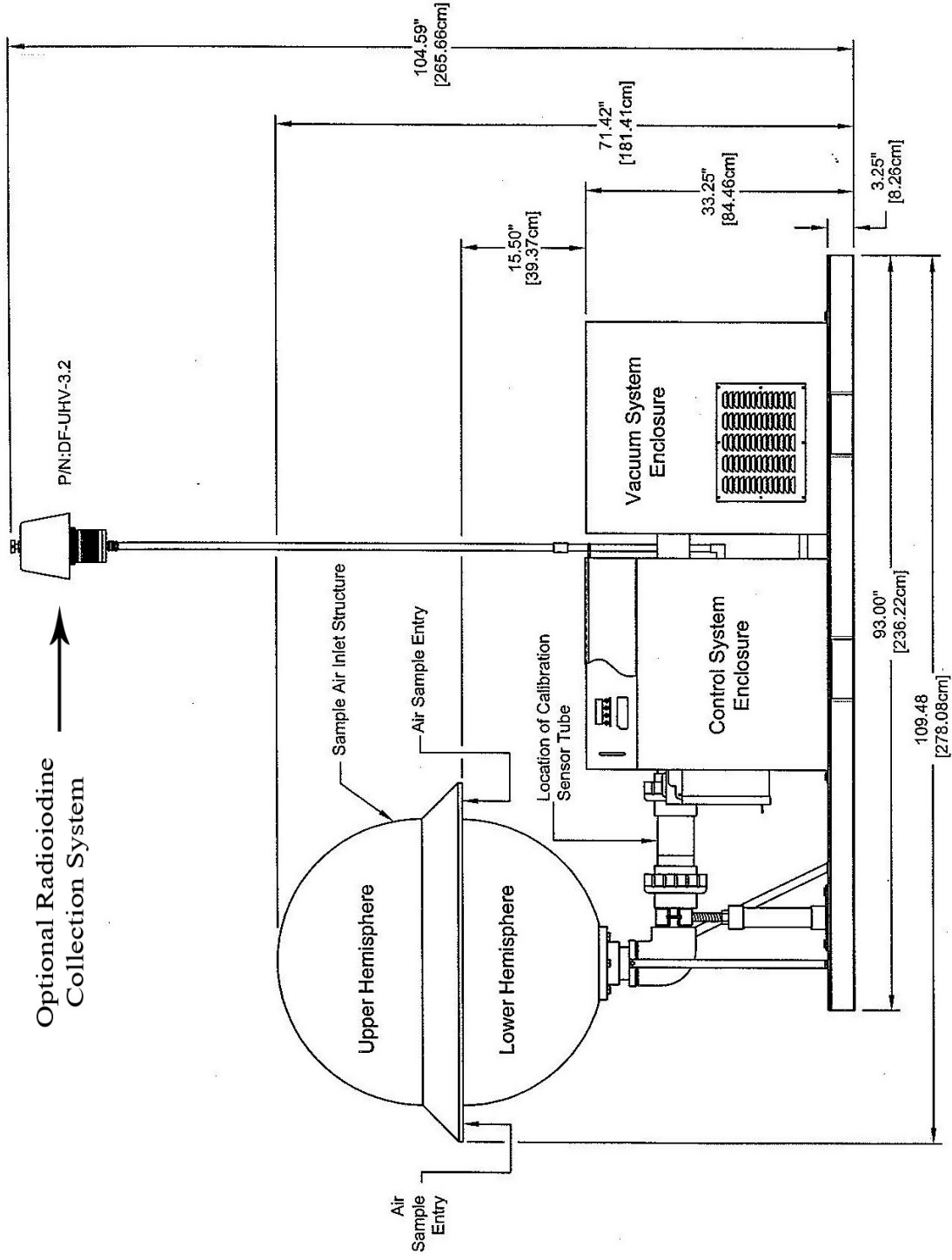
Flow rates as high as 600 CFM (1000 m³/hr) are achievable depending upon the air flow resistance of the filter media. Flow control is achieved via a variable frequency drive system.

Motor:	7.5 H.P. or 10 H.P.
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)

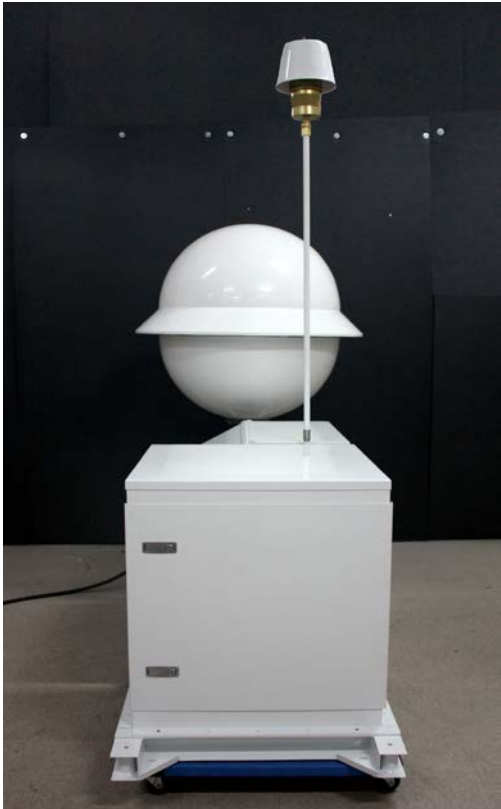
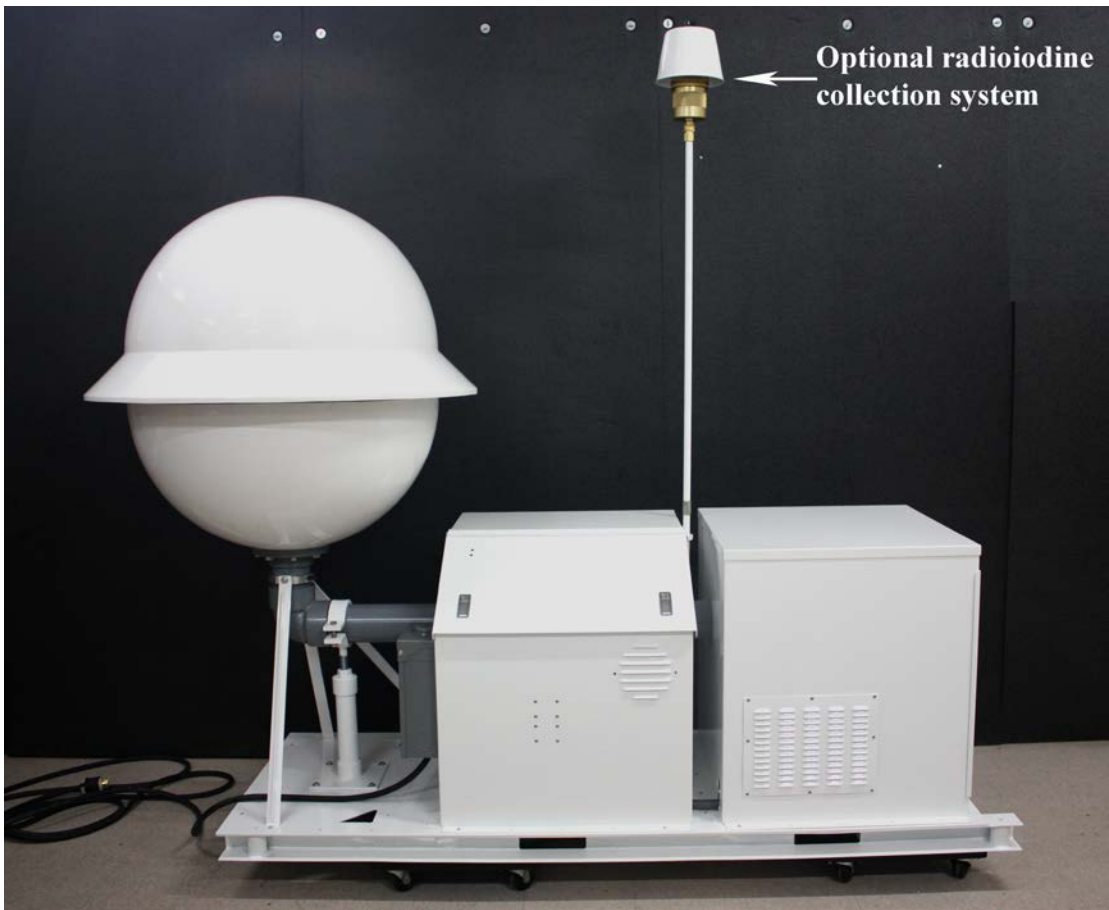
* Dependent upon filter media air flow resistance

UHV600 SERIES AIR SAMPLE INLET





ESTIMATED WEIGHT: 700 lbs (318 kg) excluding optional radioiodine collection system



UHV600 Series Control Panel Section with Optional Digital Flow Meter for Iodine Sampler



Vacuum Fluorescent Display and
Four Button Key Pad

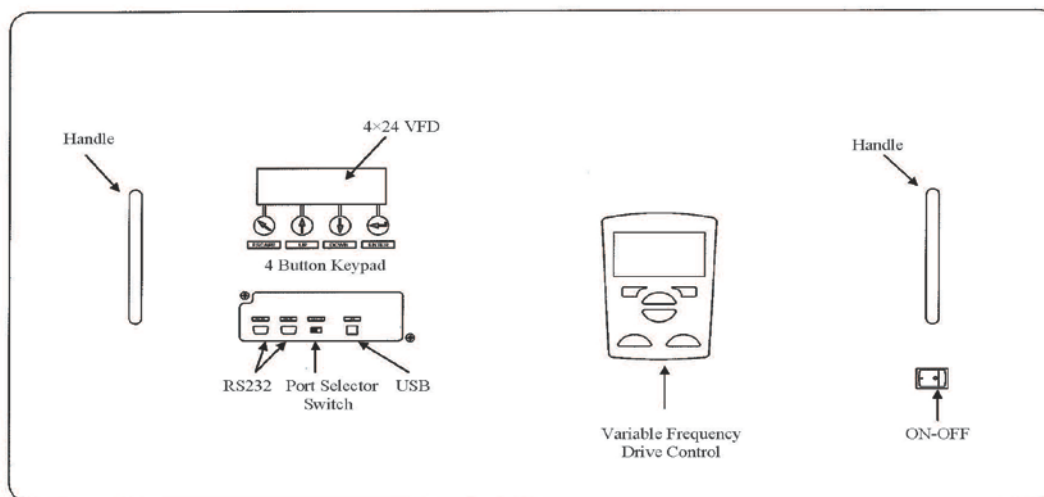
ON/OFF

Communication Ports

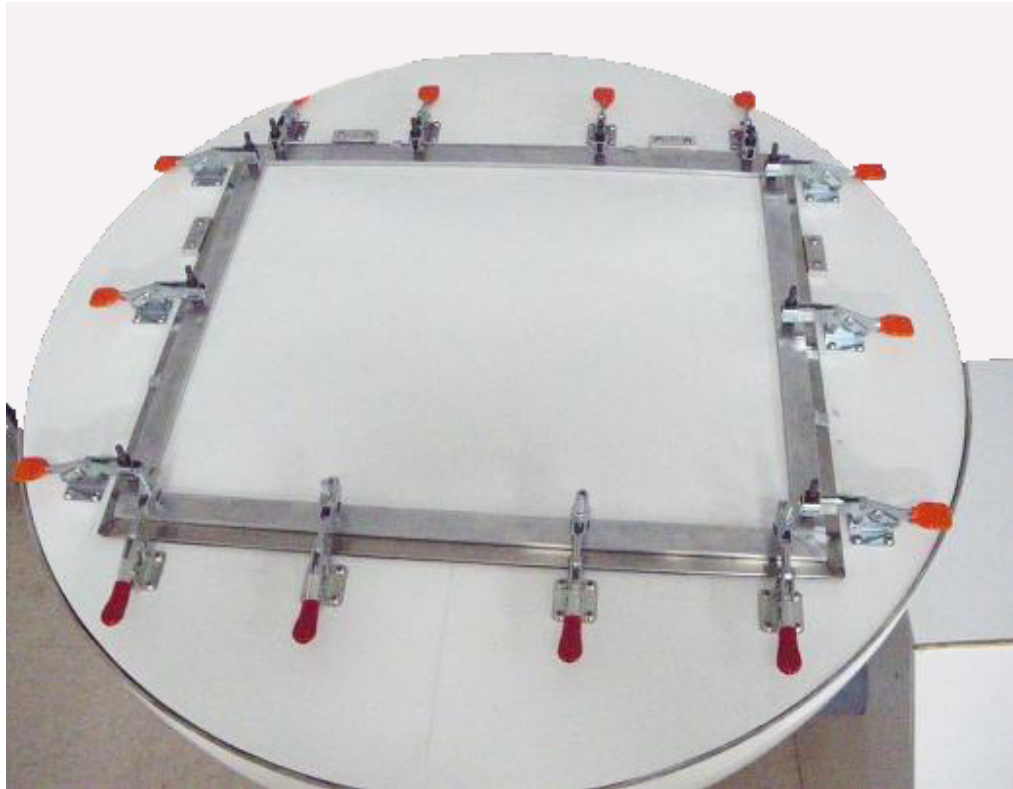
Variable Frequency Drive
Control Device

Optional Digital Flow Meter for
Iodine Sampler

UHV600 SERIES OPERATOR CONTROL PANEL

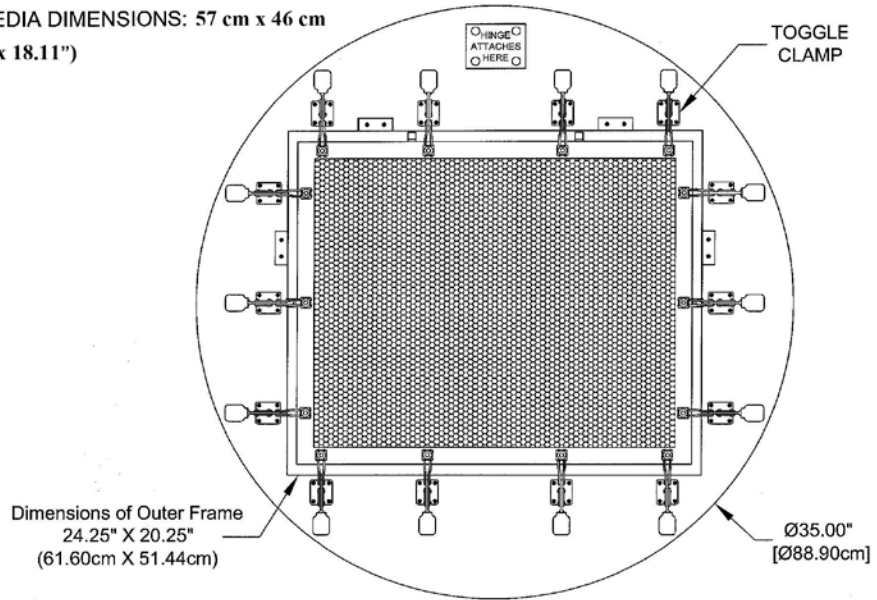


Glass Fiber Air Sampler Inlet System



FILTER SUPPORT SCREEN

FILTER MEDIA DIMENSIONS: 57 cm x 46 cm
(22.44" x 18.11")





F&J SPECIALTY PRODUCTS, INC.

The Nucleus of Quality Air Monitoring Programs

Product Profile

Air Sampling Systems

- ❖ High Volume Air Samplers
 - Portable Grab Samplers
 - Environmental Systems
 - Enzyme Dust Samplers
 - PM10 Systems
- ❖ Continuous Air Samplers
 - Environmental Systems
 - Portable
 - Fixed Station
- ❖ Personal Air Samplers
- ❖ Emergency Response DC Powered Air Sampling Systems

Filter Paper

- ❖ Glass Fiber
- ❖ Cellulose
- ❖ Membrane
- ❖ Quarts

Filter Holders

- ❖ Open face
- ❖ In-Line
- ❖ Lapel Monitors
- ❖ Materials
 - Plastic
 - Aluminum
 - Stainless Steel

Radon Detection Devices

- ❖ 2-Day Passive Charcoal Canisters
- ❖ 7-Day Passive Charcoal Canisters
- ❖ Continuous Radon Monitors

Tritium Detection Systems

- ❖ Portable and Fixed Station Collection Systems utilizing Silica Gel or Molecular Sieve Absorbents
- ❖ Continuous Tritium Monitors

New Products

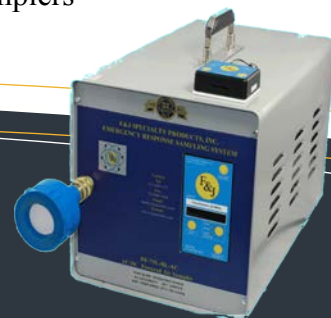
- ❖ Global Air Sampling Systems
- ❖ Digital Flowmeter Air Samplers
- ❖ C-14 Collection Systems
- ❖ ELITE DIGITAL LIGHT (EDL) Air Samplers

Radioiodine Collection Cartridges

- ❖ TEDA Impregnated Charcoal
- ❖ Silver Zeolite
- ❖ Custom Cartridges
- ❖ Bulk Silver Zeolite

Air Flow Calibrators

- ❖ World Calibrator Series
- ❖ Compact Digital V.2 Series
- ❖ Bubble Calibrators for Personal Air Samplers



404 Cypress Road, Ocala, FL 34472
352.680.1177 ph / 352.680.1454 fax
www.fjspecialty.com