F&J SPECIALTY PRODUCTS, INC.
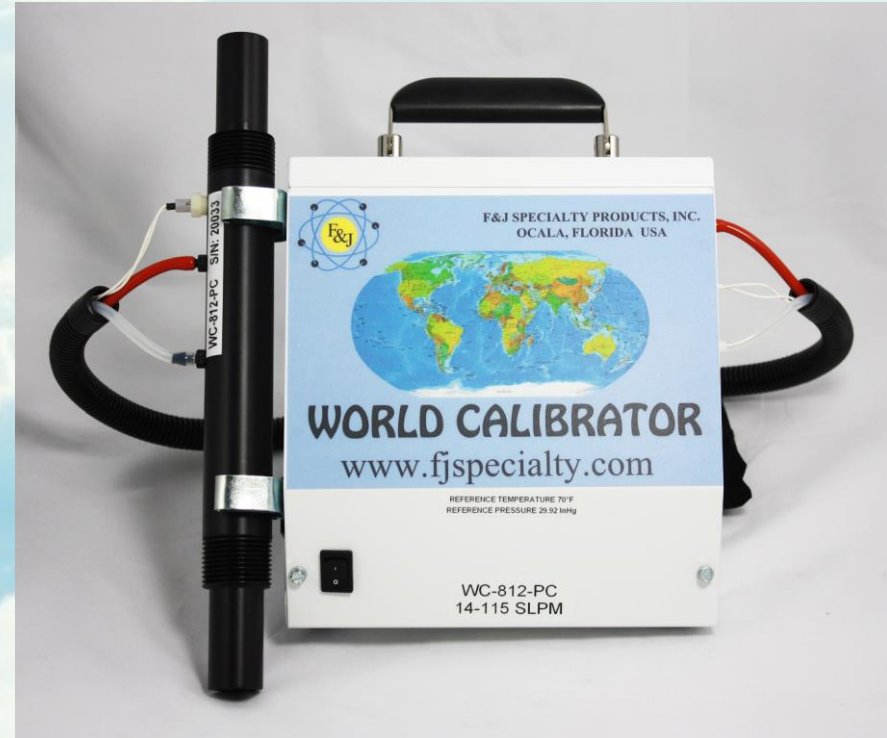

CE PRODUCTS
PHOTO CATALOG
220 – 240 VAC

Table of Content

Air Flow

Calibrators

World Calibrator
PC Version

Notable Features:

- PC Interface program: Western or Asian Languages
- Operator Selectable Options
— Multiple language options; European or Asian Version
— Multi gas option
— Volumetric or mass flow
— At Reading or Full Scale Accuracy Calibration Type
— Reference T and Reference P
— Engineering units for all reported parameters
- Semi-Automatic calibration-verification when used with F&J digital air samplers
- Customizable calibration report
- Standard Accuracy: ± 1.0% Full Scale (F.S.)
- Customizable to 1% of Reading Accuracy
- Two Year Warranty
- Complementary Storage Case

F&J SPECIALTY PRODUCTS, INC.
OCALA, FLORIDA USA

WORLD CALIBRATOR
www.fjspecialty.com

REFERENCE TEMPERATURE 70°F
REFERENCE PRESSURE 29.92 InHg

WC-812-PC
14-115 SLPM

CE

World Calibrator
VFD Version

Notable Features:

- Vacuum Fluorescent Display: (4 lines×24 characters)
- 4 button key pad for stand alone operation
- Mass flow or Volumetric flow
- Volume Totalization Feature
- Operator selectable Reference T and P
- Operator selectable engineering units
- Multi gas option
- Standard Accuracy: ± 1.0% Full Scale (F.S.)
- Customizable to 1% of Reading Accuracy
- User customizable calibration report
- Semi-Automatic calibration-verification when used with F&J digital air samplers
- PC Interface program: Western or Asian languages
- Two Year Warranty
- Complimentary Storage Case

World Calibrator
Multi-Sensor Series

Notable Features:

• One Calibrator: Multiple Flow Sensors
• Vacuum Fluorescent Display (4 lines×24 characters)
• 4 button key pad for stand alone operation
• Mass flow or Volumetric flow
• Volume Totalization Feature
• Operator selectable Reference T and P
• Operator selectable engineering units
• Multi gas option
• ± 1.0% Full Scale (F.S.) Accuracy
• User customizable calibration report
• Semi-Automatic calibration-verification when used with F&J digital air samplers
• PC Interface program: Western or Asian languages
• Two Year Warranty
• Complimentary Storage Case
• Up to four different flow sensor ranges

CE

Compact Digital Calibrator

Notable Features:

- Differential Pressure Flow Sensor
- Display of flow in CFM, LPM and M^3/min. or M^3/hr. by operator selection (LED display)
- Standard accuracy: ±2.0% Full Scale
- Flowrates displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)

Classical STP	0ºC, 1 Atm
Normal T and P	20ºC, 1 Atm
Modified Normal T and P	70ºF, 1 Atm
Standard Ambient T and P	25ºC, 1 Atm

- Display of barometric pressure in metric or English units
- Display of temperature in metric or English units
- Certified to UL, CSA and CE electrical safety standards for line power models
- NIST traceable calibration certificate
- Ambient or Reference flow is selectable by the operator
- 1 year warranty

CE

Benchtop Calibrator

Notable Features:

- Flow measuring device: Venturi
- Display of flow in CFM, LPM and M^3/min or M^3/hr. by operator selection (LED display)
- Standard accuracy: ±2% Full Scale
- Flowrates displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)

Classical STP   0ºC, 1 Atm
Normal T and P   20ºC, 1 Atm
Modified Normal T and P   70ºF, 1 Atm
Standard Ambient T and P   25ºC, 1 Atm

- Display of barometric pressure in metric or English units
- Display of temperature in metric or English units
- Certified to UL, CSA and CE electrical safety standards for line power models
- Ambient or Reference flow is selectable by the operator
- 1 year warranty

Mini Calibrator

Notable Features:

- Various Flow Ranges Available
- Lightweight; 8 oz. (227 gms)
- Small Footprint Adjustable Height
- Flow rate displayed are corrected to an operator settable Reference Temperature and Pressure
  — Options Available:

Temperature	Pressure Options Available
20ºC	1 Atm
70ºF	1 Bar
25ºC	
0ºC	760mmHg

- Flow rates displayed can also be corrected to the local ambient conditions of T and P by the operator
- Displays Airflow Temperature
- Displays Barometric Pressure
- Bright LED with large characters
- Operator Selectable Ambient Flow or Standard Flow
- English or Metric Engineering Units (set at factory) Selection:

Flow	Temperature	Barometric Pressure
SCFM	ºF	Inches Hg
sccm	ºC	mmHg
SLPM		kPa
SCMH		Bar

CE

# Analog Low Volume Air Samplers

LV-1DE
Portable Design

Notable Features:

•Constant air flow regulator adjustable by user

•Chassis mounted ON-OFF switch with fuse protection

•Durable oil-less carbon vane pump designed for
   continuous use

•Internal intake and exhaust mufflers

•Rotometer and Vacuum gauge

•220-240 VAC, 50/60Hz; single phase

•1/4 H.P. oil-less, carbon vane vacuum pump
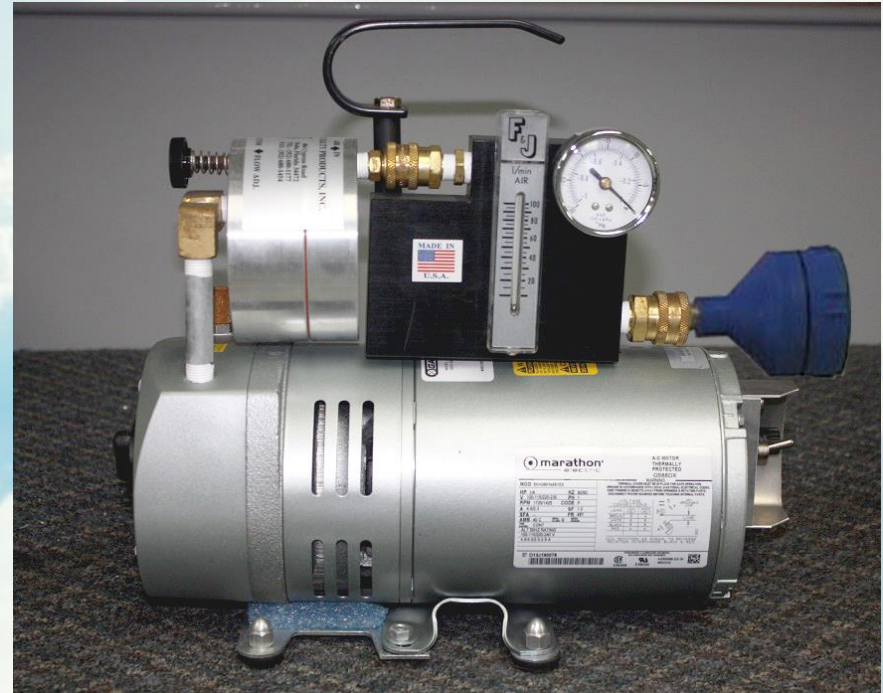
LV-22E
Ambient Air Sampler Design

Notable Features:

• Constant air flow regulator adjustable by user

• Powder coat painted aluminum enclosure with cooling fan

• Durable oil-less carbon vane pump designed for continuous use

• Internal intake and exhaust mufflers

• Rotometer, elapsed time meter and vacuum gauge

• 220-240 VAC, 50/60Hz; single phase

• 1/4 H.P. oil-less, carbon vane vacuum pump

CE

FJ28BE
Counter Top Design

Notable Features:

- Constant air flow regulator adjustable by user

- Easy access powder coat painted enclosure with exhaust fan

- Durable 1/4 HP oil-less carbon vane pump designed for continuous use

- Internal intake and exhaust mufflers

- Rotometer, elapsed time meter and vacuum gauge

- 220-240 VAC, 50/60Hz; single phase

CE

LV-14ME
Mobile Cart Mounted Indoor Design

Notable Features:

• Constant air flow regulator

• Durable 1/4 HP oil-less carbon vane pump designed for continuous use

• Instrument control box conveniently located

• Internal intake and exhaust mufflers

• Adjustable sampling gooseneck 122 – 213 cm   (4' – 7')

• Rotometer, elapsed time meter and vacuum gauge

• Mobile cart with 8" hard rubber wheels

• 220 – 240VAC, 50/60Hz; single phase

CE

FJ-28BEMHT
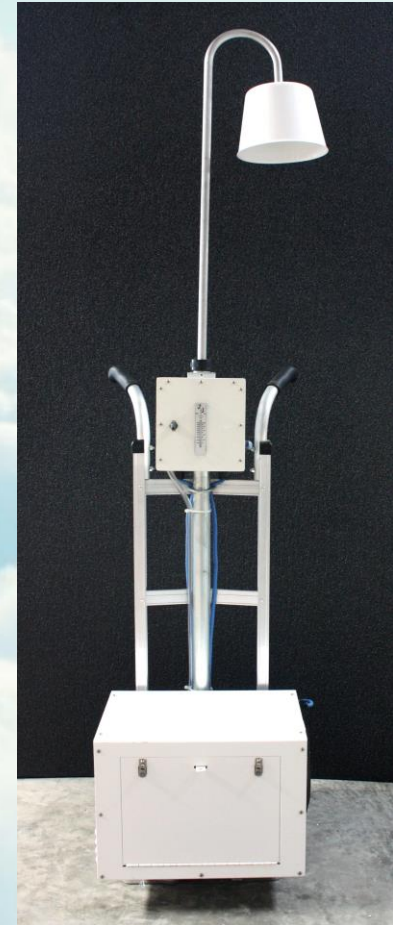# Heavy Duty Hand Truck Outdoor Design

Notable Features:

• Adjustable constant air flow regulator

• Easy access powder coat painted enclosure with exhaust fan

• Durable 1/4 HP oil-less carbon vane pump designed for continuous use

• Internal intake and exhaust mufflers

• Rotometer, flow measurement system

• 220-240VAC, 50/60Hz; single phase

• Heavy duty hand truck for mobility

CE

LV-14MHTE
Heavy Duty Hand Truck Indoor Design
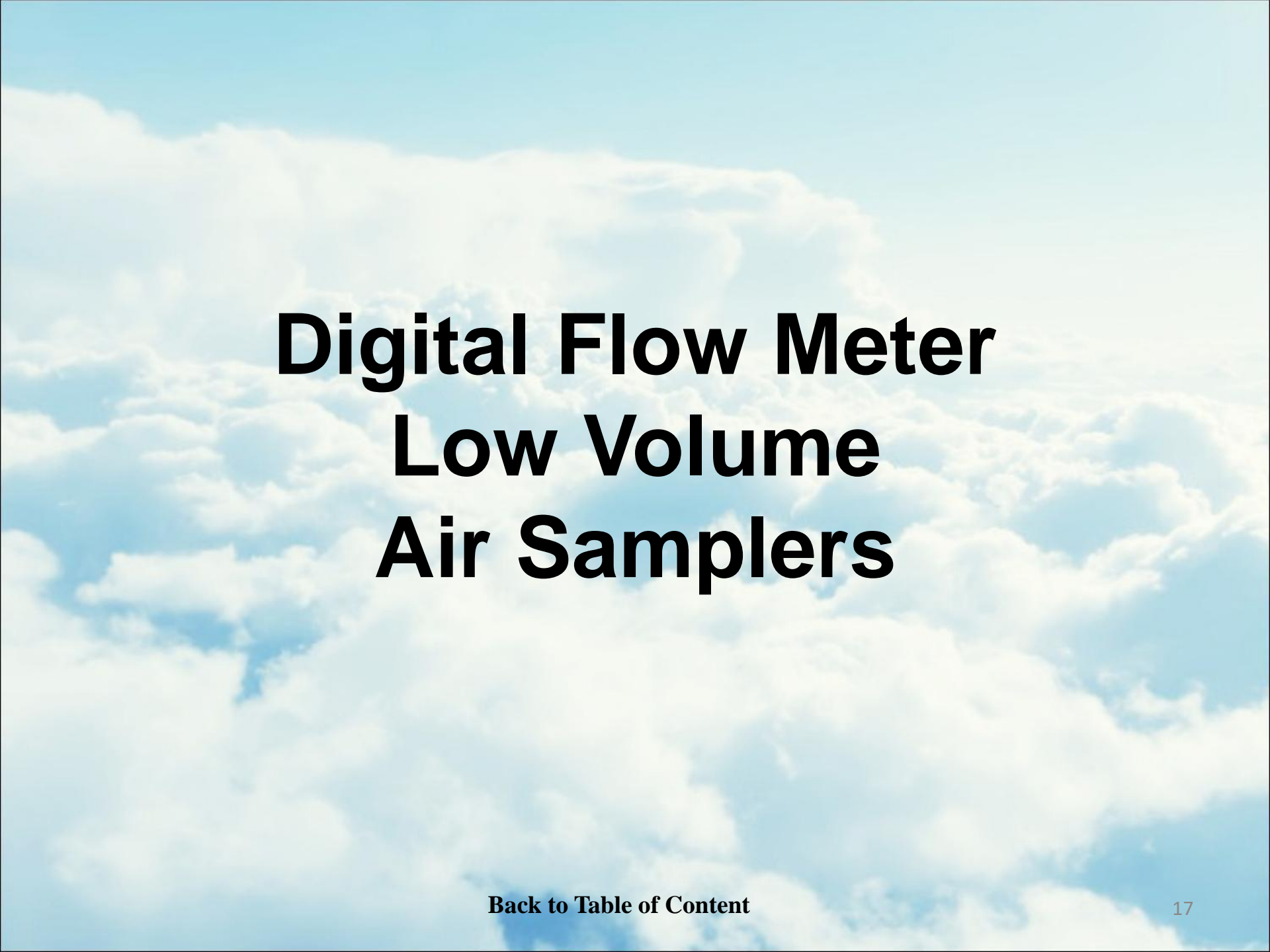
Notable Features:

• Constant air flow regulator

• Durable 1/4 HP oil-less carbon vane pump designed for continuous use

• Instrument control box conveniently located

• Internal intake and exhaust mufflers

• Adjustable sampling gooseneck 4' – 7' (122 – 213 cm)

• Rotometer, elapsed time meter and vacuum gauge

• Heavy-duty hand truck with 11" pneumatic tires

• 220 – 240VAC, 50/60Hz; single phase

• Heavy duty hand truck for mobility

CE

Digital Flow Meter
Low Volume
Air Samplers

DF-1E
Portable Design

Notable Features:

•Bright LED Display

•Flowrate and volume totalizations displayed are corrected to a factory settable reference Temperature and Pressure (4 options available)

1. Classical STP   0°C, 1 Atm
2. Normal T and P   20°C, 1 Atm
3. Modified Normal T and P   21.1°C (70°F), 1 Atm or
4. Standard Ambient T and P   25°C, 1 Atm

•Reference or ambient flow conditions are operator selectable

•Elapsed time meter

•RS232 Data export in ASCII format in comma delimeted text string at various operator selectable download frequencies

•Storage of elapsed time and volume in the event of power outage

•Detection of zero flow condition after return of power to pause elapsed time until flow returns

•Auto shut-off on time or volume

•Selectable engineering units for flow and volume
   (to be set at factory)

FLOW	VOLUME
sccm	scc
SLPM	SL
SCMH	SCM
SCFM	SCF

•¼ H.P. Oilless Carbon Vane Vacuum Pump

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DF-28BE
Counter Top Design

Notable Features:

- Display in English or metric units set at factory
- Choices of flow/volume units:

sccm	scc
SLPM	SL
SCMH	SCM
SCFM	SCF

- State of the Art microprocessor electronics
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)

Classical STP	0ºC, 1 Atm
Normal T and P	20ºC, 1 Atm
Modified Normal T and P	70ºF, 1 Atm
Standard Ambient T and P	25ºC, 1 Atm

- Reference or ambient flow/volume reporting is operator selectable
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flow rate accuracy within $\pm$ 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 220-240VAC, 50/60Hz; single phase
- ¼ H.P. Oilless Carbon Vane Vacuum Pump
- Durable powder coat painted enclosure

CE

DF-22E
Ambient Air Sampler Design

Notable Features:
- Bright LED Display
- Flowrate and volume totalizations displayed are corrected to a factory settable reference Temperature and Pressure (4 options available)

1. Classical STP	0ºC, 1 Atm
2. Normal T and P	20ºC, 1 Atm
3. Modified Normal T and P	21.1ºC (70ºF), 1 Atm or
4. Standard Ambient T and P	25ºC, 1 Atm

- Reference or ambient flow conditions are operator selectable
- Elapsed time meter
- RS232 Data export in ASCII format in comma delimeted text string at various operator selectable download frequencies
- Storage of elapsed time and volume in the event of power outage
- Detection of zero flow condition after return of power to pause elapsed time until flow returns
- Auto shut-off on time or volume
- Selectable engineering units for flow and volume (to be set at factory)

FLOW	VOLUME
sccm	scc
SLPM	SL
SCMH	SCM
SCFM	SCF

- ¼ H.P. Oilless Carbon Vane Vacuum Pump
- Durable powder coat painted enclosure

CE

DF-14ME
Mobile Cart Mounted Indoor Design

Notable Features:

- Bright LED Display
- Flowrate and volume totalizations displayed are corrected to a factory settable reference Temperature and Pressure (4 options available)

1. Classical STP	0ºC, 1 Atm
2. Normal T and P	20ºC, 1 Atm
3. Modified Normal T and P	21.1ºC (70ºF), 1 Atm or
4. Standard Ambient T and P	25ºC, 1 Atm

- Reference or ambient flow conditions are operator selectable
- Elapsed time meter
- RS232 Data export in ASCII format in comma delimeted text string at various operator selectable download frequencies
- Storage of elapsed time and volume in the event of power outage
- Detection of zero flow condition after return of power to pause elapsed time until flow returns
- Auto shut-off on time or volume
- Selectable engineering units for flow and volume (to be set at factory)

FLOW	VOLUME
sccm	scc
SLPM	SL
SCMH	SCM
SCFM	SCF

- ¼ H.P. Oilless Carbon Vane Vacuum Pump
- Mobile cart to facilitate movement

CE

DF-14MHTE
Heavy Duty Hand Truck Indoor Design

Notable Features:

• Display in English or metric units set at factory

• Choices of flow/volume units:

sccm	scc
SLPM	SL
SCMH	SCM
SCFM	SCF

• State of the Art microprocessor electronics

• Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)

Classical STP	0ºC, 1 Atm
Normal T and P	20ºC, 1 Atm
Modified Normal T and P	70ºF, 1 Atm
Standard Ambient T and P	25ºC, 1 Atm

• Elapsed time meter

• Auto zero calibration feature of flow sensor

• Bright LED display

• Flow rate accuracy within ± 4% F.S.

• RS-232 Communication Port w/Operator selectable download frequency for real-time data

• 220 – 240 VAC, 50/60Hz; single phase

• ¼ H.P. Oilless Carbon Vane Vacuum Pump

• Heavy duty aluminum hand truck

CE

DF-34BMHTE
Heavy Duty Hand Truck Outdoor Design

Notable Features:

- Display in English or metric units set at factory
- Choices of flow/volume units:

sccm	scc
SLPM	SL
SCMH	SCM
SCFM	SCF

- State of the Art microprocessor electronics
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)

Classical STP	0ºC, 1 Atm
Normal T and P	20ºC, 1 Atm
Modified Normal T and P	70ºF, 1 Atm
Standard Ambient T and P	25ºC, 1 Atm

- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flow rate accuracy within ± 4% F.S.
- RS-232 Communication Port
- Reference or Ambient Flow Corrections are operator selectable
- 220 – 240 VAC, 50/60Hz; single phase
- ¾ H.P. Oilless Carbon Vane Vacuum Pump
- Heavy duty aluminum hand truck

CE

DF28BMHTE
Heavy Duty Hand Truck Outdoor Design

Notable Features:

- Display in English or metric units set at factory
- Choices of flow/volume units:

SLPM	SL
SCMH	SCM
SCFM	SCF

- State of the Art microprocessor electronics
- Flow rate measurement and volume totalizations are corrected to a factory settable Reference Temperature and Pressure (4 options available)

Classical STP	0ºC, 1 Atm
Normal T and P	20ºC, 1 Atm
Modified Normal T and P	70ºF, 1 Atm
Standard Ambient T and P	25ºC, 1 Atm

- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flow rate accuracy within $\pm$ 4% F.S.
- RS-232 Communication Port
- Reference or Ambient Flow Corrections are operator selectable
- 220 – 240 VAC, 50/60Hz; single phase
- ¼ H.P. Oilless Carbon Vane Vacuum Pump
- Heavy duty aluminum hand truck

DF-2234E
Ambient Air Sampler Design

Notable Features:

- Display in English or metric units set at factory
- Choices of flow/volume units:

SLPM   SL
SCMH   SCM
SCFM   SCF

- State of the Art microprocessor electronics
- Flowrate and volume totalizations displayed are corrected to a factory settable reference Temperature and Pressure (4 options available)

Classical STP   0ºC, 1 Atm
Normal T and P   20ºC, 1 Atm
Modified Normal T and P   70ºF, 1 Atm
Standard Ambient T and P   25ºC, 1 Atm

- Ambient or reference flow is selectable by operator
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flow rate accuracy within ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- Auto shut-off on time or volume
- 220-240VAC, 50/60Hz; single phase
- ¾ H.P. Oilless Carbon Vane Vacuum Pump
- Durable powder coat painted enclosure

CE

DF-134E
Portable Design

Notable Features:

•Display in English or metric units set at factory

•Choices of flow/volume units:

SLPM   SL

SCMH   SCM

SCFM   SCF

•State of the Art microprocessor electronics

•Flowrate and volume totalizations displayed are corrected to a factory settable reference Temperature and Pressure (4 options available)

  Classical STP   0ºC, 1 Atm

  Normal T and P   20ºC, 1 Atm

  Modified Normal T and P   70ºF, 1 Atm

  Standard Ambient T and P 25ºC, 1 Atm

•Ambient or reference flow is selectable by operator

•Elapsed time meter

•Auto zero calibration feature of flow sensor

•Bright LED display

•Flow rate accuracy within ± 2% F.S.

•RS-232 Communication Port w/Operator selectable download frequency for real-time data

•Auto shut-off on time or volume

•220-240VAC, 50/60Hz; single phase

•¾ H.P. Oilless Carbon Vane Vacuum Pump

DF-EDL-HPE
Portable Design

Notable Features:

- State-of-the-Art Electronics
- Lightweight: ~16 lbs. (7.26 kg)
- Powerful: Flow rate to 170 LPM
- Very low maintenance
- Automatic Flow Control
- Operator selectable Ambient or Reference flow T and P Conditions
- Auto shut-off on time or volume
- RS232 Communication port
- Easily replaceable HEPA filters
- Optional Vertical Mount for Filter Holders
- 110 Watt Brushless D.C. motor coupled to heavy duty centrifugal blower

CE

DF-EDL-28BE
Counter Top Design

Notable Features:
- Precision machined DP flow sensor
- State-of-the-Art electronics
- Flow rate and volume measurements corrected to factory settable Reference Temperature and Pressure
- Automatic electronic flow control
- Display in English or various metric units
- RS-232 communication port
- Flow rate accuracy: ±4.0% Full Scale
- Auto zero calibration feature of flow sensor
- Auto shut off on time or volume
- Maintenance free vacuum system
- 200 – 240 VAC; 50/60 Hz, 1PH
- 110 Watt Brushless D.C. motor coupled to heavy duty centrifugal blower
- Durable powder coat painted enclosure

CE

DF-EDL-300WE
Portable Design

Notable Features:

- State-of-the-Art Electronics
- Lightweight: ~15 lbs. (6.8 kg)
- Powerful: Flow rate to 300 LPM
- Very low maintenance
- Automatic Flow Control
- Operator selectable Ambient or Reference flow T and P Conditions
- Auto shut-off on time or volume
- RS232 Communication port
- High flow low volume air sampler
- 300 Watt Brushless D.C. motor coupled to heavy duty centrifugal blower
- Durable powder coat painted enclosure

DF-EDL-22E
Ambient Air Sampler Design

Notable Features:

• Bright LED Display

• Flowrate and volume totalizations displayed are corrected to a factory settable reference Temperature and Pressure (4 options available)

1. Classical STP	0ºC, 1 Atm
2. Normal T and P	20ºC, 1 Atm
3. Modified Normal T and P	21.1ºC (70ºF), 1 Atm or
4. Standard Ambient T and P	25ºC, 1 Atm

• Reference or ambient flow conditions are operator selectable

• Elapsed time meter

• RS232 Data export in ASCII format in comma delimited text string at various operator selectable download frequencies

• Storage of elapsed time and volume in the event of power outage

• Detection of zero flow condition after return of power to pause elapsed time until flow returns

• Auto shut-off on time or volume

• Selectable engineering units for flow and volume (to be set at factory)

FLOW	VOLUME
sccm	scc
SLPM	SL
SCMH	SCM
SCFM	SCF

• 110 Watt Brushless D.C. motor coupled to heavy duty centrifugal blower

• Durable powder coat painted enclosure

CE

Digital Flow Meter Portable High Volume Air Samplers

DFHV-1E

Notable Features:
- Display in English or metric units set at factory
- Choices of flow/volume units:

SLPM   SL
SCMH   SCM
SCFM   SCF

- State of the Art microprocessor electronics
- Automatic Flow Control
- Auto Shut-off on time or volume
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flow rate accuracy within $\pm$ 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 220 – 240 VAC, 50/60Hz; single phase
- 1.34 H.P. Brushed motor vacuum blower

CE

DFHV-1DTE

Notable Features:

•Display in English or metric units set at factory

•Choices of flow/volume units:

SLPM   SL

SCMH   SCM

SCFM   SCF

•State of the Art microprocessor electronics

•Automatic Flow Control

•Auto Shut-off on time or volume

•Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)

•Elapsed time meter

•Auto zero calibration feature of flow sensor

•Bright LED display

•Flow rate accuracy within $\pm$ 4.0% F.S.

•RS-232 Communication Port w/Operator selectable download frequency for real-time data

•220 – 240 VAC, 50/60Hz; single phase
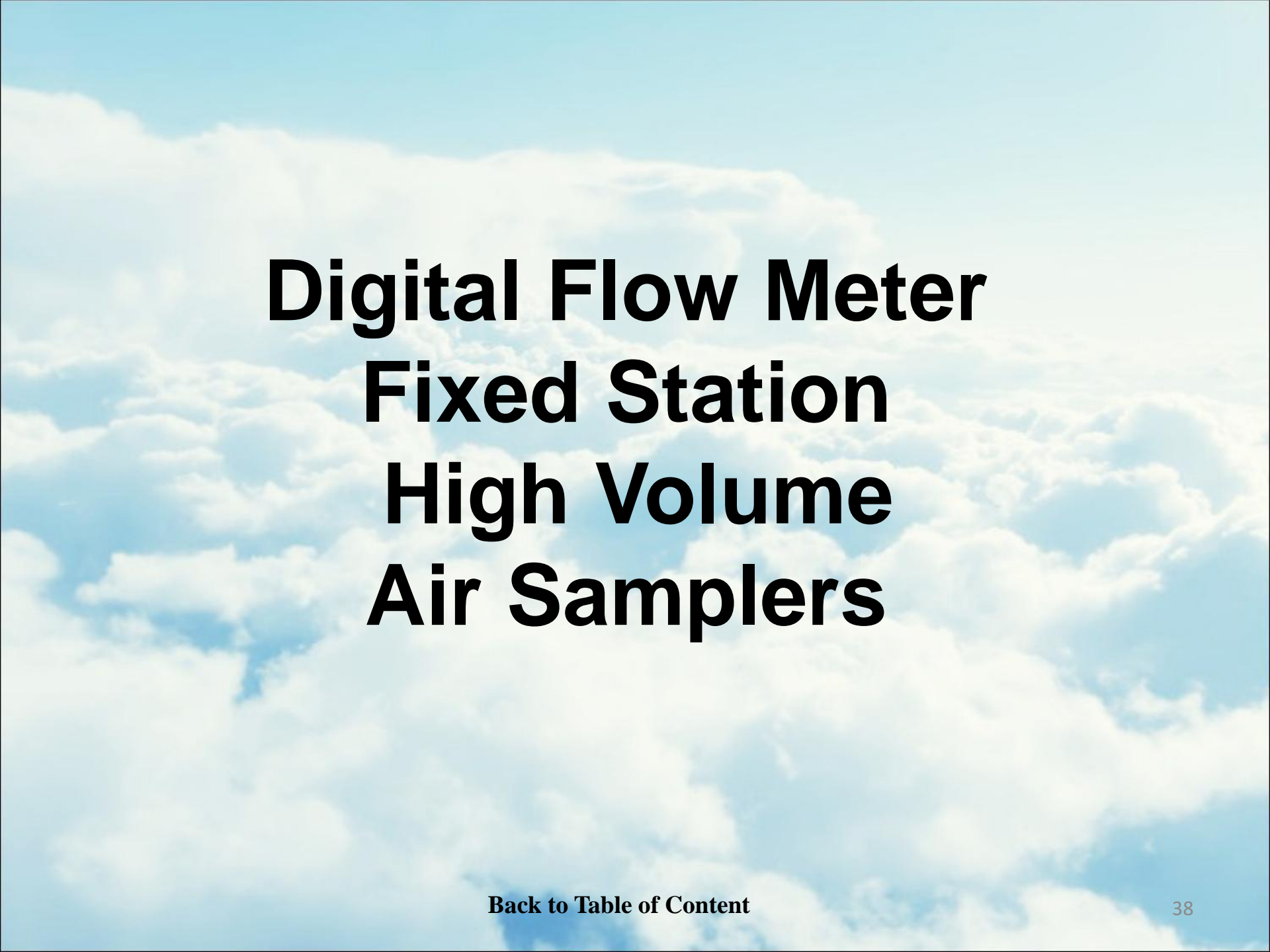
•1100 watt brushless vacuum blower

DFHV-1-BL-TE

Notable Features:

•Display in English or metric units set at factory

•Choices of flow/volume units:

SLPM   SL

SCMH   SCM

SCFM   SCF

•State of the Art microprocessor electronics

•Automatic Flow Control

•Auto Shut-off on time or volume

•Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)

•Elapsed time meter

•Auto zero calibration feature of flow sensor

•Bright LED display

•Flow rate accuracy within ± 4.0% F.S.

•RS-232 Communication Port w/Operator selectable download frequency for real-time data

•220 – 240 VAC, 50/60Hz; single phase

•450 Watt brushless vacuum blower

CE

DFHV-1SE

Notable Features:

- Display in English or metric units set at factory
- Choices of flow/volume units:

  SLPM   SL

  SCMH   SCM

  SCFM   SCF

- State of the Art microprocessor electronics
- Automatic Flow Control
- Auto Shut-off on time or volume
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flow rate accuracy within $\pm$ 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 220 – 240 VAC, 50/60Hz; single phase
- 1.34 H.P. Brushed motor vacuum blower

CE

DFHV-1DTSE

Notable Features:

•Display in English or metric units set at factory

•Choices of flow/volume units:

   SLPM   SL

   SCMH   SCM

   SCFM   SCF

•State of the Art microprocessor electronics

•Automatic Flow Control

•Auto Shut-off on time or volume

•Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)

•Elapsed time meter

•Auto zero calibration feature of flow sensor

•Bright LED display

•Flow rate accuracy within ± 4.0% F.S.

•RS-232 Communication Port w/Operator selectable download frequency for real-time data

•220 – 240 VAC, 50/60Hz; single phase

•Brushless motor (1100 watts)

CE

DFHV-1S-BL-TE

Notable Features:

- Display in English or metric units set at factory
- Choices of flow/volume units:

  SLPM   SL

  SCMH   SCM

  SCFM   SCF

- State of the Art microprocessor electronics
- Automatic Flow Control
- Auto Shut-off on time or volume
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flow rate accuracy within $\pm$ 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 220 – 240 VAC, 50/60Hz; single phase
- Brushless Motor (450 watts)

$\mathsf{C}\,\mathsf{E}$

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Digital Flow Meter
Fixed Station
High Volume
Air Samplers

DF-604DTE

Notable Features:

- Display in English or metric units set at factory
- Choices of flow/volume units:

SLPM	SL
SCMH	SCM
SCFM	SCF

- State of the Art microprocessor electronics
- Automatic Flow Control
- Auto Shut-off on time or volume
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flow rate accuracy within $\pm$ 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data collection
- 220 – 240 VAC, 50/60 Hz; single phase
- Standard Filter Holder: 4inch (102mm)
- 1100 Watt brushless vacuum blower

- Filter holder is a 102 mm (4 inch) diameter standard.

DF-604DTE Filter Holder

CE

DF-804DTE

Notable Features:

- Display in English or metric units set at factory
- Choices of flow/volume units:

sccm	scc
SLPM	SL
SCMH	SCM
SCFM	SCF

- State of the Art microprocessor electronics
- Automatic flow control
- Auto Shut-off on time or volume
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flowrate accuracy within ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 220 – 240 VAC, 50/60Hz; single phase
- Standard Filter Holder: 4inch (102mm)
- 1100 Watt brushless vacuum blower
- Filter holder is a 102 mm (4 inch) diameter standard

DF-60810DTE

Notable Features:

• Display in English or metric units set at factory
• Choices of flow/volume units:

  SLPM   SL
  SCMH   SCM
  SCFM   SCF

• State of the Art microprocessor electronics
• Automatic Flow Control
• Auto Shut-off on time or volume
• Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
• Elapsed time meter
• Auto zero calibration feature of flow sensor
• Bright LED display
• Flow rate accuracy within ± 4.0% F.S.
• RS-232 Communication Port w/Operator selectable download frequency for real-time data collection
• 220 – 240 VAC, 50/60 Hz; single phase
• 1100 Watt brushless vacuum blower
• Filter holder is a 8"×10 (20,3×25,4 cm) diameter standard

DF-60810DTE Filter Holder

C E

DF-60810-MHVE

Performance:
Basic components of the system are modular and independently serviceable. Sample flow rate can be set between 50 and 170 CFM (84 and 289 m^3/hr). The standard filter holder has the dimensions 20.3×25.4 cm (8"×10").

Technology: Microprocessor controlled state of the art electronics

Operating Temperature Range: 0ºF* to 122ºF   (-17ºC* to 50ºC)

                                *warm start/continuous operation

Operating Relative Humidity: 0 – 95% RH

Typical Flow Rate Range: 50 – 175 CFM   (84 to 289 m^3/hr)

                         (Depending on filter paper dimensions and air resistance).

Motor: Brushless: 2.4H.P.(1800 Watt) motor with electronic motor speed control

Power: 200-240VAC; 50/60Hz; 9 amperes; single phase.

Housing: Powder coat painted aluminum   Locking hinged cover
                       Removable hinged cover   Locking swing door with key

Dimensions: 57.5"H × 21.5"W × 21.5"D   (146 H × 54.6 W × 54.6 cm D)

Weight: Approximately 98 lbs. (44.5 kg)

Shipping Weight: Approximately 150 lbs. (68.2 kg)

Installation Category: Pollution Degree 3

Enclosure Rating: IPX3

DF-60810-MHVE Filter Holder

CE

DF-60810DTE-HSI

Notable Features:
- Precision machined DP flow sensor
- Omni-directional hemispherical sample inlet
- State-of-the-Art electronics
- Vacuum fluorescent display; 4 lines×24 characters
- Flow rate and Volume measurements corrected to operator selectable Reference Temperature and Pressure
- Automatic flow control
- Operator selectable units of measurement
- Dual RS-232 communication ports
- Flow rate accuracy: ±3.0% Full Scale
- Auto zero calibration feature of flow sensor
- Continuous or periodic sampling mode
- Multiple operator selectable data storage rates
- Display of Multiple on-board calculations
- Powerful 1100 Watt motor
- 220-240VAC; 50/60Hz, single phase
- 1100 Watt brushless vacuum blower
- Filter holder is a 8"×10 (20,3×25,4 cm) diameter standard

DF-60810DTE-HSI Filter Holder

CE

DF-804DTE-SPK

Notable Features:

- Display in English or metric units set at factory
- Choices of flow/volume units:

  sccm   scc
  SLPM   SL
  SCMH   SCM
  SCFM   SCF

- State of the Art microprocessor electronics
- Automatic flow control
- Auto Shut-off on time or volume
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flowrate accuracy within ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 220 – 240 VAC, 50/60Hz; single phase
- 1100 Watt brushless vacuum blower

DF-804DTE-SPK Filter Holder

CE

DF-PM10DTE

Notable Features:
- Size selective inlet (<10 micron cut size)
- Display in English or metric units set at factory
- Choices of flow/volume units:

SLPM   SL
SCMH   SCM
SCFM   SCF

- State of the Art microprocessor electronics
- Automatic Flow Control
- Auto Shut-off on time or volume
- Flow rate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure
- Elapsed time meter
- Standard 8"×10" (20.3 cm×25.4cm) filter holder
- Bright LED display
- Flow rate accuracy within ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 220 – 240 VAC, 50/60 Hz; single phase
- 1100 Watt brushless vacuum blower

[DF-PM10DTE Filter Holder](#)

CE

DF-PM2.5DTE

Notable Features:

- Size selective inlet (<2.5 micron cut size)
- Display in English or metric units set at factory
- Choices of flow/volume units:

SLPM   SL
SCMH   SCM
SCFM   SCF

- State of the Art microprocessor electronics
- Automatic Flow Control
- Auto Shut-off on time or volume
- Flow rate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure
- Elapsed time meter
- Standard 8"×10" (20.3 cm×25.4cm) filter holder
- Bright LED display
- Flow rate accuracy within ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 220 – 240 VAC, 50/60 Hz; single phase
- 1100 Watt brushless vacuum blower

DF-PM2.5DTE Filter Holder

Digital Flow Meter Electronic Modules

DF-100E

Notable Features:

- Display in English or metric units set at factory
- Choices of flow/volume units:

sccm   scc
SLPM   SL
SCMH   SCM
SCFM   SCF

- State-of-the-Art microprocessor electronics
- Flowrate and volume totalizations displayed are corrected to a factory settable

Reference Temperature and Pressure (4 options available)

Classical STP	0ºC, 760 mmHg
Normal T and P	20ºC, 760 mmHg
Modified Normal T and P	21,1ºC, 760 mmHg
Standard Ambient T and P	25ºC, 760 mmHg

- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flow rate accuracy within ± 4% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- Auto Shut-off on time or volume
- 220 – 240VAC, 50/60Hz; single phase; < 3.24 FLA*

* FLA = Full Load Amps

DF-100HDE-XX

Notable Features:

- Display in English or metric units set at factory
- Choices of flow/volume units:

sccm	scc
SLPM	SL
SCMH	SCM
SCFM	SCF

- State-of-the-Art microprocessor electronics
- Flowrate and volume totalizations displayed are corrected to a factory settable

Reference Temperature and Pressure (4 options available)

Classical STP	0ºC, 760 mmHg
Normal T and P	20ºC, 760 mmHg
Modified Normal T and P	21,1ºC, 760 mmHg
Standard Ambient T and P	25ºC, 760 mmHg

- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flow rate accuracy within ± 4% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- Auto Shut-off on time or volume
- 220 – 240VAC, 50/60Hz; single phase; < 3.24 FLA*

* FLA = Full Load Amps

Global Air Sampler
Low Volume
Air Samplers

GAS-1E
Portable Design

Notable Features:

- Precision machined DP flow sensor
- State-of-the-Art electronics
- Vacuum fluorescent display; 4 line × 24 characters
- Flow rate and volume measurements corrected to operator selectable Reference Temperature and Pressure
- Constant air flow regulator
- Display in English or various metric units
- Dual RS-232 communication ports
- Flow rate accuracy: ±3.0% Full Scale
- Auto zero calibration feature of flow sensor
- Various operator selectable sampling modes
- Multiple operator selectable data storage and data transmission frequency rates
- Display of Multiple on-board calculations
- Wide temperature range electronics
- ¼ H.P. oilless carbon vane pump

GAS-28BE
Counter Top Design

Notable Features:

- Precision machined DP flow sensor
- State-of-the-Art electronics
- Vacuum fluorescent display; 4 line × 24 characters
- Flow rate and volume measurements corrected to operator selectable Reference Temperature and Pressure
- Constant air flow regulator
- Display in English or various metric units
- Dual RS-232 communication ports
- Flow rate accuracy: ±3.0% Full Scale
- Auto zero calibration feature of flow sensor
- Various operator selectable sampling modes
- Multiple operator selectable data storage and data
- transmission frequency rates
- Display of Multiple on-board calculations
- Wide temperature range electronics
- ¼ H.P. oilless carbon vane pump

CE

GAS-22E
Ambient Air Sampler Design

NOTABLE FEATURES:
- Precision machined DP flow sensor
- State-of-the-Art electronics
- Vacuum fluorescent display; 4 line × 24 characters
- Flow rate and volume measurements corrected to operator selectable Reference Temperature and Pressure
- Constant air flow regulator
- Display in English or various metric units
- Dual RS-232 communication ports
- Flow rate accuracy: ±3.0% Full Scale
- Auto zero calibration feature of flow sensor
- Various operator selectable sampling modes
- Multiple operator selectable data storage and data transmission frequency rates
- Display of Multiple on-board calculations
- Wide temperature range electronics

CE

GAS-EDL-HPE
Portable Design

Notable Features:

- State-of-the-Art Electronics
- Lightweight: ~16 lbs. (7.26 kg)
- Powerful: Flow rate to 170 LPM
- Very low maintenance
- Automatic Flow Control
- Precision machined DP flow sensor
- Vacuum Fluorescent Display (VFD) 4 line x 24 character
- Flow rate accuracy: ±3% Full Scale
- Auto zero calibration feature of flow sensor
- Multiple operator selectable data storage and transmission frequency rates
- Operator selectable engineering units and reference temperature and pressure valves
- Optional Isokinetic Sampling mode configuration
- Auto shut-off on time or volume
- Dual RS232 Communication port
- Brushless motor
- Easily replaceable HEPA filters
- Optional Vertical Mount for Filter Holders
- Optional 24VDC input for external DC power operation
- 110 Watt brushless motor coupled to a heavy duty centrifugal blower

Shown with optional Filter Holder

CE

GAS-EDL-28BE
Counter Top Design

Notable Features:

- Precision machined DP flow sensor
- State-of-the-Art electronics
- Vacuum fluorescent display; 4 line × 24 characters
- Flow rate and volume measurements corrected to operator selectable Reference Temperature and Pressure
- Electronic flow control
- Display in English or various metric units
- Dual RS-232 communication ports
- Flow rate accuracy: ±3.0% Full Scale
- Auto zero calibration feature of flow sensor
- Various operator selectable sampling modes
- Display of Multiple on-board calculations
- Wide temperature range electronics
- 110 Watt brushless motor coupled to a heavy duty centrifugal blower

CE

GAS-EDL-300WE-HT
Portable Design

Notable Features:

- State-of-the-Art Electronics
- Lightweight: ~15 lbs. (6,8 kg)
- Powerful: Flow rate to 250 LPM*
- Very low maintenance
- Automatic Flow Control
- Precision machined DP flow sensor
- Vacuum Fluorescent Display (VFD); 4 line × 24 characters
- Dual RS-232 communication ports
- Flow rate accuracy: ±3.0% Full Scale
- Auto zero calibration feature of flow sensor
- Multiple operator selectable data storage and data transmission frequency rates
- Wide temperature range electronics
- Brushless motor
- High ambient temperature rating to 140°F (60°C)
- 300 Watt brushless motor coupled to a heavy duty centrifugal blower

* Depending on filter paper dimensions and air flow resistance

Shown with optional Filter Holder

CE

GAS-EDL-22E
Ambient Air Sampler Design

Notable Features:

- State-of-the-Art Electronics
- Powerful: Flow rate to 170 LPM*
- Very low maintenance
- Automatic Flow Control
- Precision machined DP flow sensor
- Vacuum Fluorescent Display (VFD);
- 4 line × 24 characters
- Dual RS-232 communication ports
- Flow rate accuracy: ±3.0% Full Scale
- Auto zero calibration feature of flow sensor
- Multiple operator selectable data storage and data transmission frequency rates
- Wide temperature range electronics
- Brushless motor
- 110 Watt brushless DC motor coupled to a heavy duty centrifugal blower

* Depending on filter paper dimensions and air flow resistance

CE

Global Air Sampler
Fix Station
High Volume
Air Samplers

GAS-604DTE

Notable Features:

- Precision machined DP flow sensor
- State-of-the-Art electronics
- Vacuum fluorescent display (VFD); 4 lines×24 characters
- Flow rate and Volume measurements corrected to operator selectable Reference Temperature and Pressure
- Automatic flow control
- Operator selectable units of measurement
- Dual RS-232 communication ports
- Flow rate accuracy: ±3.0% Full Scale
- Auto zero calibration feature of flow sensor
- Continuous or periodic sampling mode
- Multiple operator selectable data storage rates
- Display of Multiple on-board calculations
- Powerful 1100 Watt motor
- 220-240 VAC; 50/60 Hz, single phase
- The standard filter holder has the dimensions 4"D (102 mm)

GAS-604DTE Filter Holder

CE

GAS-60810DTE

Notable Features:
- Precision machined DP flow sensor
- State-of-the-Art electronics
- Vacuum fluorescent display (VFD); 4 lines×24 characters
- Flow rate and Volume measurements corrected to operator selectable Reference Temperature and Pressure
- Automatic flow control
- Operator selectable units of measurement
- Dual RS-232 communication ports
- Standard flow rate accuracy: ±3.0% Full Scale
- Custom flow calibration to 3% At Reading
- Auto zero calibration feature of flow sensor
- Continuous or periodic sampling mode
- Multiple operator selectable data storage rates
- Display of Multiple on-board calculations
- Powerful 1100 Watt motor
- Meets or exceeds the USEPA requirements in 40CFR50 Appendix B
- 220-240 VAC; 50/60 Hz, single phase
- Custom accuracy $\pm$ 2% of reading available
- 1100 Watt brushless vacuum blower
- The standard filter holder has the dimensions 8"×10" (20,3×25,4 cm)

GAS-60810DTE Filter

CE

GAS-60810DTE-HSI

Notable Features:

- Precision machined DP flow sensor
- State-of-the-Art electronics
- Vacuum fluorescent display (VFD); 4 lines×24 characters
- Flow rate and Volume measurements corrected to operator selectable Reference Temperature and Pressure
- Automatic flow control
- Operator selectable units of measurement
- Dual RS-232 communication ports
- Standard flow rate accuracy: ±3.0% Full Scale
- Custom flow calibration to 3% At Reading
- Auto zero calibration feature of flow sensor
- Continuous or periodic sampling mode
- Multiple operator selectable data storage rates
- Display of Multiple on-board calculations
- Powerful 1100 Watt motor
- 220-240 VAC; 50/60 Hz, single phase
- The standard filter holder has the dimensions 8"×10" (20,3×25,4 cm)

[**GAS-60810DTE-HSI Filter Holder**](#)

GAS-60810-MHVE

Performance:

Basic components of the system are modular and independently serviceable. Sample flow rate can be set between 50 and 170 CFM (85 and 289 m^3/hr). The standard filter holder has the dimensions 8"×10" (20.3×25.4 cm).

Technology: Microprocessor controlled state of the art electronics

Operating Temperature Range: 0ºF to 122ºF (-17ºC to 50ºC)

Typical Flow Rate Range: 50 – 170 CFM (85 to 289 m^3/hr)
(Depending on filter paper dimensions and filter media air resistance)

Motor: Brushless: 2.4 H.P. (1800 Watt) motor with electronic motor speed control

Power: 100-120VAC; 50/60Hz; 9 amperes; single phase.

Housing: Powder coat painted aluminum   Locking hinged cover
Removable hinged cover   Locking swing door with key

Dimensions: 57.5"H x 21.5"W x 21.5"D   (146H x 54.6W x 54.6 cm D)

Weight: Approximately 98 lbs. (44.5 kg)

Shipping Weight: Approximately 150 lbs. (68.2 kg)

Installation Category: Pollution Degree 3

Enclosure Rating: IPX3

[GAS-60810-MHVE Filter Holder](#)

CE

GAS-60810-MHVE-HSI

Notable Features:

• Precision machined DP flow sensor

• Omni-directional hemispherical sample inlet

• Vacuum fluorescent display; 4 lines×24 characters

• Flow rate and Volume measurements corrected to operator selectable Reference Temperature and Pressure

• Automatic flow control

• Operator selectable units of measurement

• USB and RS-232 Communication Port w/Operator selectable download frequency for real-time data collection or transmission

• Flow rate accuracy: ±3.0% Full Scale

• Auto zero calibration feature of flow sensor

• Continuous or periodic sampling mode

• Multiple operator selectable data storage rates

• Display of Multiple on-board calculations

• Powerful 1800 Watt vacuum blower

• 220-240VAC; 50/60Hz, single phase

• The standard filter holder has the dimensions 8"×10" (20,3×25,4 cm)

GAS-60810MHVE-HSI Filter

CE

GAS-804DTE

Notable Features:

- Precision machined DP flow sensor
- State-of-the-Art electronics
- Vacuum fluorescent display (VFD); 4×24 characters
- Flow rate and Volume measurements corrected to operator selectable Reference Temperature and Pressure
- Automatic flow control
- Display in English or various metric units
- Dual RS-232 communication ports
- Flow rate accuracy: ±3.0% Full Scale
- Auto zero calibration feature of flow sensor
- Various operator selectable sampling modes
- Multiple operator selectable data storage and data transmission frequency rates
- Display of Multiple on-board calculations
- Wide temperature range electronics
- Filter holder is a 4 inch (102 mm) diameter standard

CE

GAS-MHV300E

Notable Features:

- Precision machined DP flow sensor
- State-of-the-Art electronics
- Vacuum fluorescent display; 4 lines×24 characters
- Flow rate and Volume measurements corrected to operator selectable Reference Temperature and Pressure
- Automatic flow control
- Operator selectable units of measurement
- Dual RS-232 communication ports
- Flow rate accuracy: ±3.0% Full Scale
- Auto zero calibration feature of flow sensor
- Continuous or periodic sampling mode
- Multiple operator selectable data storage rates
- Display of Multiple on-board calculations
- Powerful 1800 Watt motor
- 220-240VAC; 50/60Hz, single phase
- Clam Shell sample inlet with 46cm x 57cm filter media

GAS-MHV300E Filter Holder

CE

GAS-PM10DTE

Notable Features:
- Size Selective Inlet (<10 micron cut size)
- Precision machined DP flow sensor
- State-of-the-Art electronics
- Vacuum fluorescent display; 4×24 characters
- Flow rate and Volume measurements corrected to operator selectable Reference Temperature and Pressure
- Automatic flow control
- Display in English or various metric units
- Dual RS-232 communication ports
- Standard flow rate accuracy: ±3.0% Full Scale
- Custom flow calibration to 1% of reading
- Auto zero calibration feature of flow sensor
- Various operator selectable sampling modes
- Display of Multiple on-board calculations
- Wide temperature range electronics
- 220—240 VAC, 50/60 Hz; single phase
- 1100 Watt brushless vacuum blower

GAS-PM10DTE Filter Holder

CE

GAS-PM2.5DTE

Notable Features:
- Size Selective Inlet (<2.5 micron cut size)
- Precision machined DP flow sensor
- State-of-the-Art electronics
- Vacuum fluorescent display; 4×24 characters
- Flow rate and Volume measurements corrected to operator selectable Reference Temperature and Pressure
- Automatic flow control
- Display in English or various metric units
- Dual RS-232 communication ports
- Standard flow rate accuracy: ±3.0% Full Scale
- Custom flow calibration to 1% of reading
- Auto zero calibration feature of flow sensor
- Various operator selectable sampling modes
- Display of Multiple on-board calculations
- Wide temperature range electronics
- 220—240 VAC, 50/60 Hz; single phase
- 1100 Watt brushless vacuum blower

GAS-PM2.5DTE Filter Holder

C E

PUF Air Samplers

DF-604DTE-PUF

Notable Features:

- Display in English or metric units set at factory
- Choices of flow/volume units:

sccm	scc
SLPM	SL
SCMH	SCM
SCFM	SCF

- Automatic flow control
- Auto Shut-off on time or volume
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flowrate accuracy within ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 220 – 240 VAC, 50/60Hz; single phase
- 1100 Watt brushless vacuum blower
- Filter holder is a 102 mm (4 inch) diameter standard with 3" PUF collector

DF-604DTE-PUF Filter Holder

CE

DF-1515DTE-PUF

Notable Features:
- Display in English or metric units set at factory
- Choices of flow/volume units:

SLPM   SL
SCMH   SCM
SCFM   SCF

- State of the Art microprocessor electronics
- Automatic Flow Control
- Auto Shut-off on time or volume
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flow rate accuracy within ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 220 – 240 VAC, 50/60Hz; single phase
- 1100 Watt brushless vacuum blower
- Filter holder is a 102 mm (4 inch) diameter standard with 3" PUF collector

DF-1515DTE-PUF Filter Holder

GAS-604DTE-PUF

Notable Features:

- Precision machined DP flow sensor
- State-of-the-Art electronics
- Vacuum fluorescent display (VFD); 4 lines×24 characters
- Flow rate and Volume measurements corrected to operator selectable Reference Temperature and Pressure
- Automatic flow control
- Operator selectable units of measurement
- Dual RS-232 communication ports
- Flow rate accuracy: ±3.0% Full Scale
- Auto zero calibration feature of flow sensor
- Continuous or periodic sampling mode
- Multiple operator selectable data storage rates
- Display of Multiple on-board calculations
- Powerful 1100 Watt motor
- 220-240 VAC; 50/60 Hz, single phase
- The standard filter holder has the dimensions 4"D (102 mm)

GAS-604DTE-PUF Filter Holder

GAS-1515DTE-PUF

Notable Features:
- Precision machined DP flow sensor
- State-of-the-Art electronics
- Vacuum fluorescent display (VFD); 4 lines×24 characters
- Flow rate and Volume measurements corrected to operator selectable Reference Temperature and Pressure
- Automatic flow control
- Operator selectable units of measurement
- Dual RS-232 communication ports
- Flow rate accuracy: ±3.0% Full Scale
- Auto zero calibration feature of flow sensor
- Continuous or periodic sampling mode
- Multiple operator selectable data storage rates
- Display of Multiple on-board calculations
- Powerful 1100 Watt Brushless motor
- 220-240VAC; 50/60Hz, single phase
- The standard filter holder can house a 4" diameter filter with a 3" long (unwashed) PUF

GAS-1515DTE-PUF Filter

C E

Enzyme Dust Air Samplers

DF-804DTE-30

Notable Features:
- Display in English or metric units set at factory
- Choices of flow/volume units:

SLPM   SL

SCMH   SCM

SCFM   SCF

- State of the Art microprocessor electronics
- Automatic flow control
- Auto Shut-off on time or volume
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
- Reference or ambient flow rate is operator selectable
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flowrate accuracy within ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 220 – 240 VAC, 50/60Hz; single phase
- Filter holder is a 15 cm diameter standard for enzyme dust collection
- 1100 Watt brushless vacuum blower

DF-804DTE-30 Filter Holder

DF-804DTE-30-NOV

Notable Features:

- Display in English or metric units set at factory
- Choices of flow/volume units:

SLPM   SL
SCMH   SCM
SCFM   SCF

- State of the Art microprocessor electronics
- Automatic flow control
- Auto Shut-off on time or volume
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
- New G2 clam shell type sample head
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flowrate accuracy within ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 200 – 240 VAC, 50/60Hz; single phase
- 1100 Watt brushless vacuum blower
- Filter holder is a 15 cm diameter standard for enzyme dust collection
- 2nd Generation sample inlet design

DF-804DTE-30-NOV Filter Holder

$C\,E$

DF-804DTE-30HT

Notable Features:

- Display in English or metric units set at factory
- Choices of flow/volume units:

SLPM   SL
SCMH   SCM
SCFM   SCF

- State of the Art microprocessor electronics
- Automatic flow control
- Auto Shut-off on time or volume
- Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
- Reference Flow or Ambient flow conditions are operator selectable
- Elapsed time meter
- Auto zero calibration feature of flow sensor
- Bright LED display
- Flowrate accuracy within ± 4.0% F.S.
- RS-232 Communication Port w/Operator selectable download frequency for real-time data
- 220 – 240 VAC, 50/60Hz; single phase
- Optional Design Configurations Available
- 1100 Watt brushless vacuum blower
- Filter holder is a 15 cm diameter standard for enzyme dust collection

DF-804DTE-30HT Filter Holder

CE

DF-804DTE-30EC

Notable Features:

•Display in English or metric units set at factory

•Choices of flow/volume units:

SLPM   SL

SCMH   SCM

SCFM   SCF

•State of the Art microprocessor electronics

•Automatic flow control

•Auto Shut-off on time or volume

•Flowrate and volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)

•Reference Flow or Ambient flow conditions are operator selectable

•Elapsed time meter

•Auto zero calibration feature of flow sensor

•Bright LED display

•Flowrate accuracy within ± 4.0% F.S.

•RS-232 Communication Port w/Operator selectable download frequency for real-time data

•220 – 240 VAC, 50/60Hz; single phase

•Optional Design Configurations Available

•1100 Watt brushless vacuum blower

•Filter holder is a 15 cm diameter standard for enzyme dust collection

DF-804DTE-30EC Filter Holder

GAS-804DTE-30-NOV

Notable Features:

- Precision machined DP flow sensor
- State-of-the-Art electronics
- Vacuum fluorescent display (VFD); 4 lines×24 characters
- Flow rate and Volume measurements corrected to operator selectable Reference Temperature and Pressure
- Automatic flow control
- Operator selectable units of measurement
- Dual RS-232 communication ports
- Flow rate accuracy: ±3.0% Full Scale
- Auto zero calibration feature of flow sensor
- Continuous or periodic sampling mode
- Multiple operator selectable data storage rates
- Display of Multiple on-board calculations
- Powerful 1100 Watt motor
- Meets or exceeds the USEPA requirements in 40CFR50 Appendix B
- 200-240VAC; 50/60Hz, single phase
- 1100 Watt brushless vacuum blower
- Filter holder is a 15 cm diameter standard for enzyme dust collection
- 2nd Generation sample inlet design

GAS-804DTE-30-NOV Filter Holder

CE

Carbon 14
Collection Systems

MRB200C14E

Notable Features:

- Inorganic CO_2 in Air Collection System
- Automatic Flow Control
- Digital Flowmeter displaying flow, elapsed time and accumulated volume
- Large, bright LED Display
- Correction of flow rate and volume to a reference temperature and pressure (4 options)
- Tri-20ml bubbler system
- 220-240VAC; 50/60Hz; single phase
- Typical flow range is 75to 200 sccm.

CE

C14CS-3000E

Notable Features:

- Large, bright LED Display
- Microprocessor controlled electronics
- Flowrate measurements and volume totalizations are corrected to a factory settable reference Temperature and Pressure

Classical STP	0ºC, 1 Atm
Normal T and P	20ºC, 1 Atm
Modified Normal T and P	70ºF, 1 Atm
Standard Ambient T and P	25ºC, 1 Atm

- Precision machined DP sensor
- Flowrate accuracy within ± 4% F.S.
- Flowrate / Volume Options:

    sccm / scc
    SLPM / SL

- LED dimming feature
- 220-240VAC,50/60Hz, single phase

• The typical operating flow range can vary from 100 - 500 sccm or 500 – 1000 sccm

C E

Tritium
Collection Systems

KH3-200 Series

Notable Features:
- Tritium in Water Vapor Collection System
- Automatic Flow Control
- Digital Flowmeter displaying flow, elapsed time and accumulated volume
- Large, bright LED Display
- Correction of flow rate and volume to a reference temperature and pressure (4 options)
- Tri-125ml bubbler system
- Brushless motor
- 220 - 240VAC; 50/60Hz; single phase

- Typical flow range is 0.8 to 5 SLPM (other flow range options are available). Recommended sampling rate is 2-3 LPM

CE

MRB200H3E

Notable Features:

- Tritium in Water Vapor Collection System
- Automatic Flow Control
- Digital Flowmeter displaying flow, elapsed time and accumulated volume
- Large, bright LED Display
- Correction of flow rate and volume to a reference temperature and pressure (4 options)
- Brushless motor
- Tri-20ml bubbler system
- 220VAC; 50/60Hz; single phase
- Typical flow range is 75 to 200 sccm (other flow range options are available)

CE

MRB200H3E-60ML

Notable Features:

- Gaseous Pollutant Collection System
- Automatic Flow Control
- Digital Flowmeter displaying flow, elapsed time and accumulated volume
- Large, bright LED Display
- Correction of flow rate and volume to a reference temperature and pressure (4 options)
- Brushless motor
- Tri-60ml bubbler system
- 220 - 240VAC; 50/60Hz; single phase
- Typical flow range is 1 to 5 SLPM (other flow range options are available)

CE

TCS-3000E-BL

Notable Features:

•Microprocessor controlled electronics

•Flow rate measurements and volume totalizations are corrected to a factory settable reference

Temperature and Pressure (4 options)

Classical STP	0ºC, 760mm Hg
Normal T and P	20ºC, 760mm Hg
Modified Normal T and P	21,1ºC, 760mm Hg
Standard Ambient T and P	25ºC, 760mm Hg

•RS-232 Port

•LED Display

•Precision machined orifice

•Flow rate accuracy within ± 4% F.S.

•Flow rate / volume options:

   sccm / scc

   SLPM / SL

•Brushless motor

•220-240VAC; 50/60Hz, single phase

•The typical operating flow range is 100 - 250 sccm (0,10 – 0,25 SLPM). Other flow ranges available upon request

CE

TCS-5000E-BLDC

Notable Features:

- Microprocessor controlled electronics
- Brushless Motor
- Automatic flow control
- Flow rate measurements and volume totalizations are corrected to a factory settable reference Temperature and Pressure. Options for Reference T and P are:

Classical STP	0ºC, 1 Atm
Normal T and P	20ºC, 1 Atm
Modified Normal T and P	70ºF, 1 Atm
Standard Ambient T and P	25ºC, 1 Atm

- RS-232 Port
- LED Display
- Precision machined orifice
- Flow rate accuracy within ± 4% F.S.
- Flow rate / Volume Options:

  sccm / scc
  SLPM / SL

- 220-240VAC; 50/60Hz, single phase
- The typical operating flow range is 100-300 cc/min (0.10 - 0.3 LPM). Other custom flow ranges are available upon request. Additional fees may apply for custom ranges

CE
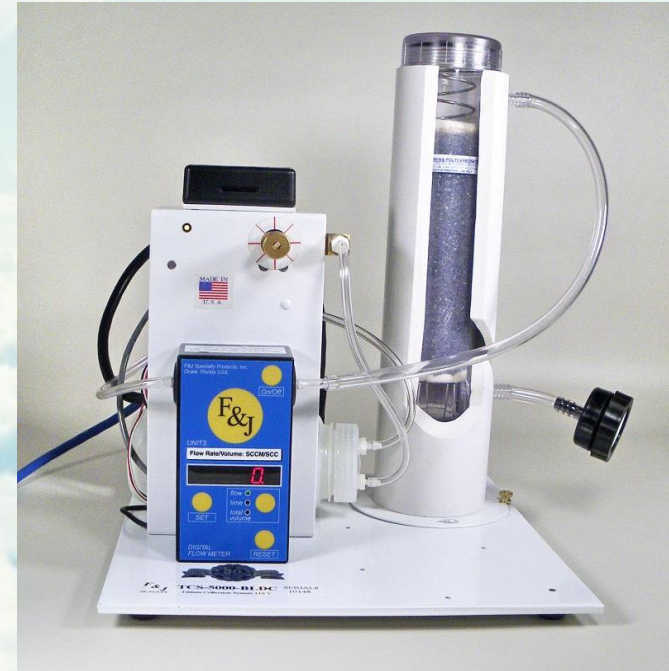
Emergency Response Air Sampling Systems

DF-ABM-40L-AC

Notable Features:

- State-of-the-Art Electronics
- Operating Modes
— Line Power (100VAC – 250VAC)
— Automobile Cigarette Lighter
  — BATBANK-12V
- Lightweight   —   10 lbs. (4.54 kg)
- Maximum Flow 30 to 35 LPM Maximum; typical
- Bright LED Display
- Automatic Flow Control Feature
- Flowrate and Volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
- Auto shut-off on time or volume
- Brushless DC motor Dual diaphragm vacuum pump

Shown with optional Filter Holder

$C\mathcal{E}$

DF-12L-400M-Li

Notable Features:
- State-of-the-Art Electronics
- Operating Modes
— Line Power (100VAC – 250 VAC)
— On-Board Batteries
   — Auxiliary connected 12 VDC power source
- Long-lasting 20 Ah Lithium ion battery pack
- Internal battery charging system operable from line power input
- Lightweight   — ~21.10 lbs. (~9.57 kg)
- Maximum Flow 12 LPM Maximum; typical
- Bright LED Display
- Automatic Flow Control Feature
- Flowrate and Volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure (4 options available)
- Auto shut-off on time or volume
- Brushless DC motor Dual diaphragm vacuum pump

Shown with optional rain shield filter holder

CE

DF-30L-400M-Li

Notable Features:

- State-of-the-Art Electronics
- Operating Modes
— Line Power (100VAC – 250 VAC)
— On-Board Batteries
    — Auxiliary connected 12 VDC power source
- Long-lasting 20 Ah Lithium ion battery pack
- Internal battery charging system operable
from line power input
- Lightweight   — ~21.10 lbs. (~9.57 kg)
- Maximum Flow 30 LPM Maximum; typical
- Bright LED Display
- Automatic Flow Control Feature
- Flowrate and Volume totalizations displayed are corrected to a factory settable Reference Temperature and Pressure
 (4 options available)
- Auto shut-off on time or volume
- Brushless DC motor Dual diaphragm vacuum pump

Shown with optional rain shield filter holder

CE

Filter Holders

PUF Filter Holder
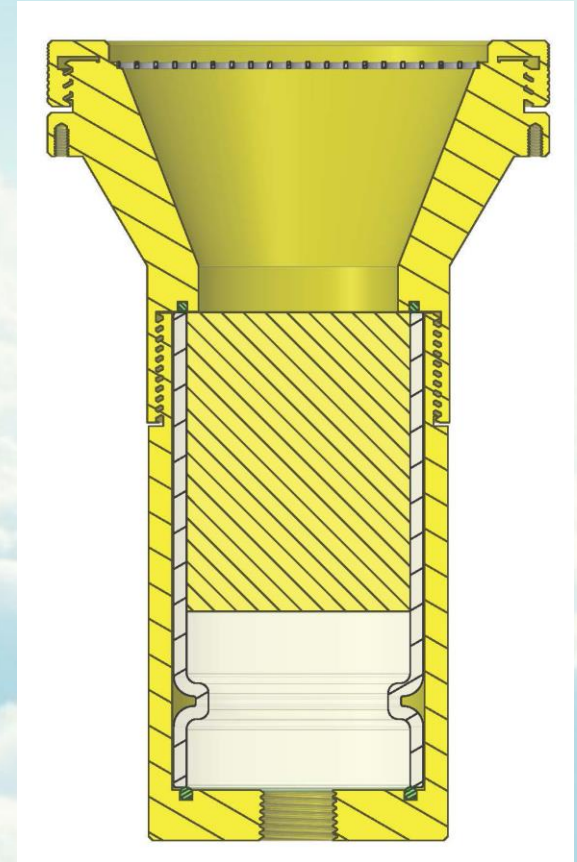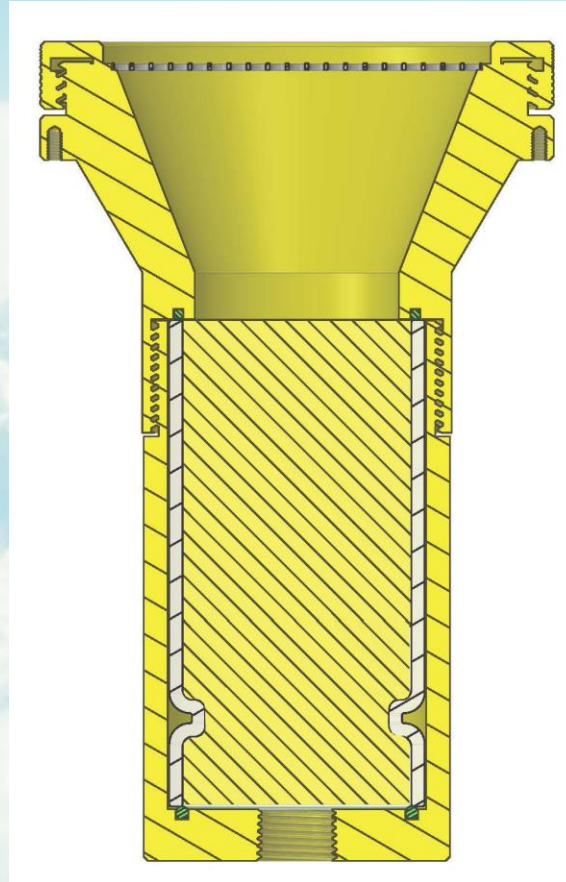
PUF model utilizes an F&J 102mm (FJ-102PUF) filter that can house a 4" filter paper and a 3" long (unwashed) Poly-Urethane Foam (PUF).

Gable Roof Sample Inlet Filter Holder
Rectangular 8"×10" (20,3×25,4 cm)
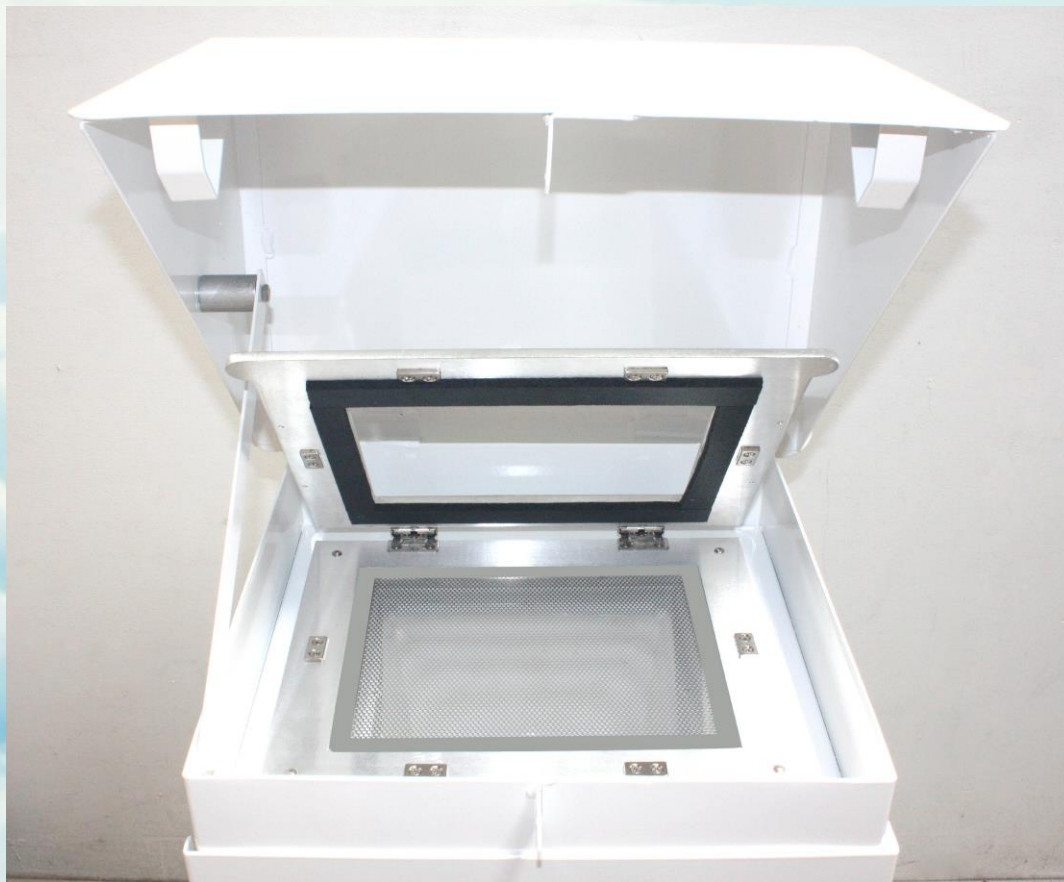
Hemispherical Sample Inlet Filter Holder
Rectangular 8"×10" (20,3×25,4 cm)
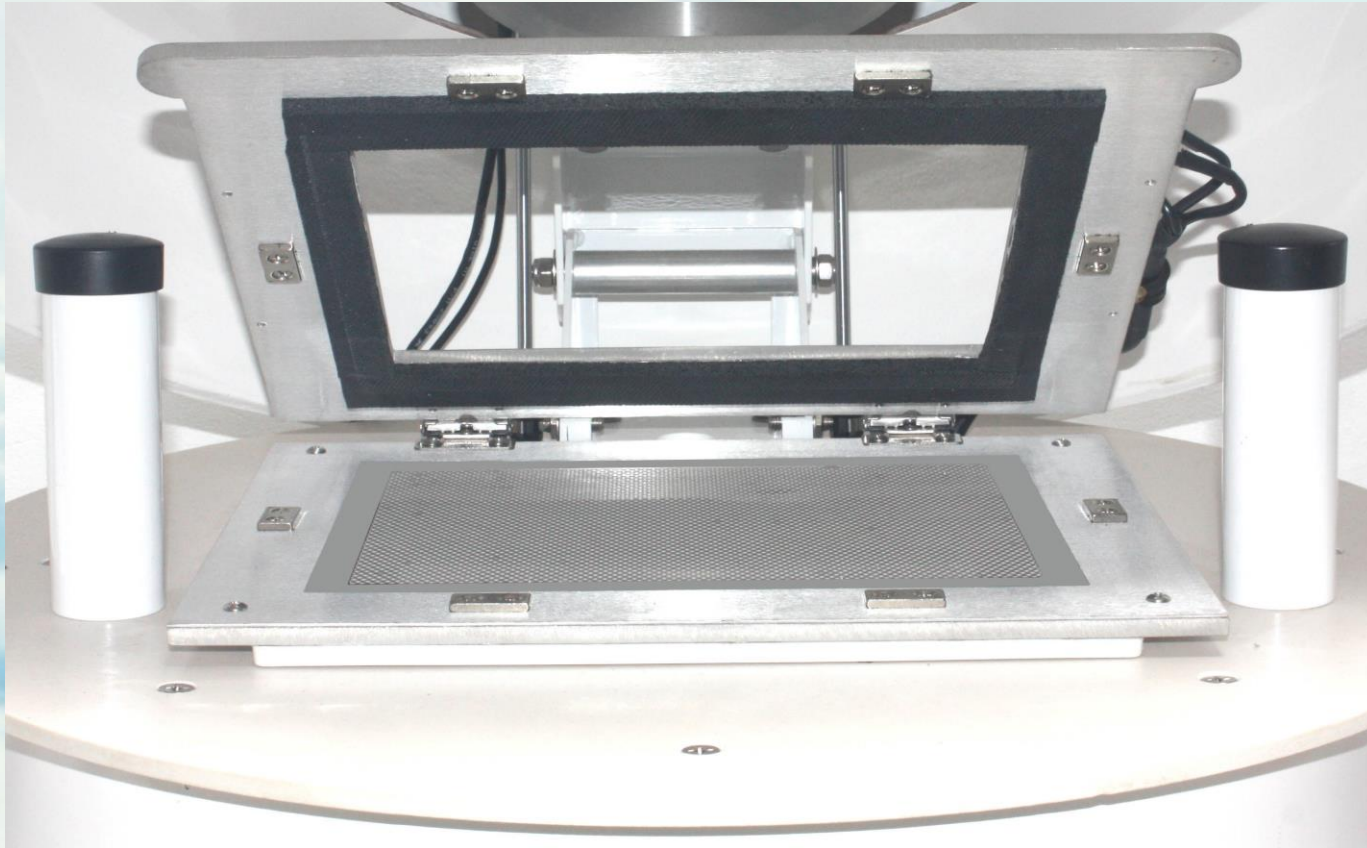
GAS-MHV300E Filter Holder

The standard filter holder has the dimensions 46cm x 57cm.

Return to GAS-MHV300E

Standard 4" (102mm) Filter Holder

PUG-FH Filter Holder

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PM10 and PM2.5 Filter Holder
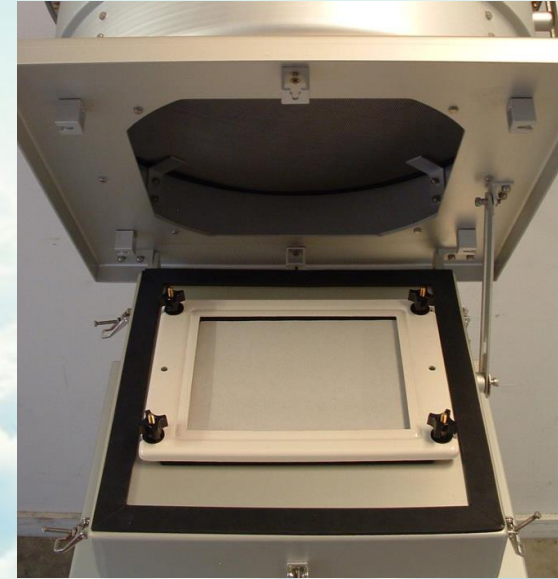
Return to DF-PM10DTE

Return to DF-PM2.5DTE

Return to GAS-PM10DTE

Return to GAS-PM2.5DTE

Enzyme Dust Air Samplers Filter Holder
Generation 1

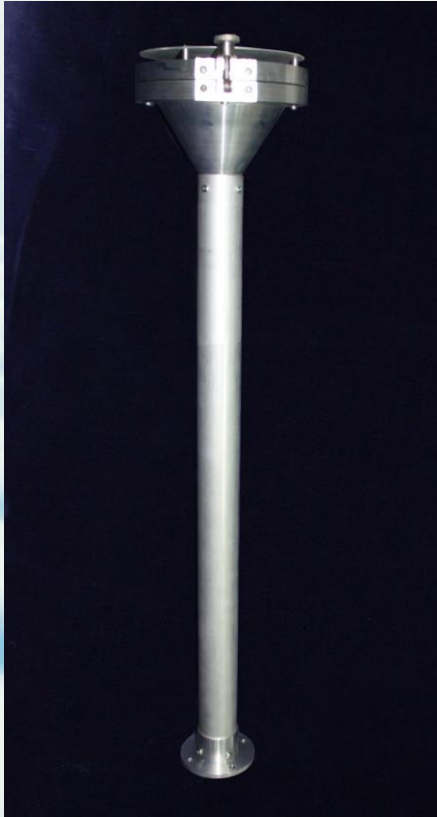**Return to DF-804DTE-30**

Return to DF-804DTE-30HT

Return to DF-804DTE-30EC

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Enzyme Dust Air Samplers Filter Holder
Generation 2

Return to DF-804DTE-30-NOV

Return to GAS-804DTE-30-NOV