



AMS[®]
Analitica
Air Monitoring Systems

ENVIRONMENTAL **MONITORING**
2017

600/AFPUF1001K

Reference methods: *Dir.CEE 107-2004 - ISO 12884 (Gas and Particles) ISO 16362 (Particulates) - US-EPA TO4A, TO9A e TO13A (Gas e Particles)US-EPA TO4A, TO9A e TO13A (Gas and Particles) - ASTM D-6209*

- Flow range 120-600 liters/minute
- Venturi electronic flow control system (ISO-5167)
- High resolution large display Plasma backlight display
- RS 232 PC interface and USB port
- Sampling period are microprocessor based with standard deviation control and back pressure on filter
- Wind velocity and direction connection interface included (no sensors). Additional Rain and Umidity sensors available (Option)
- Remote data handling with GSM/GPRS protocols (Optional)
- External shelter in anodized aluminium for outdoor applications
- Ambient temperature and barometric pressure detected
- Adapter kit available to convert Puf sampler in high volume PM sampler
- Class protection IP55
- Adapter low ambient temperature kit (Max.-30°C)



Sampling Features

The Air Flow Puf high volume sampler with the new micro processor allow the user to view all setting and sampling data for a full compliance sampling status. The following data are available at display in a different screens:

- Selected sampling time (Max 9999 minute)
- Residual sampling time to stop
- Ambient Temperature
- Sampler cabinet temperature
- Barometrie atmospheric pressure
- Sampling flow-rate
- Total sampling volume
- Total standardized sampling volume
- Sampling faults (flow or sensors readings)
- Wind velocity and direction, rain and Umidity (with optional sensors installed)
- Stored sampling data to download with RS232 or USB port

The new microprocessor capabilities allow the user to select and store in the memory up to 3 different programs with sampling settings ready to start. Four different parameters are available on the main screen in a graphic format as Ambient Temperature, Barometrie Pressure, Flowrate and Standard Deviation. Automatic re-start after power shut-off with all data stored in the memory.



The AirFlow PUF high volume sampler is a dedicated sampling system to collect simultaneously gas and particles in a flowrate range to 120-600 liters per minute. Fully in compliance with all standard methods EPA, ISO, ASTM, the AirFlow Puf high volume sampler is micro-processor controlled and a Venturi flow measurement system (ISO 5167 Compliance) keep the flowrate constant with a great accuracy.

Adapter Kit

This system's true innovation lies in its ability to interchange preselectors thanks to adapter kits. These supports allow for easy adaptability and rapid re-connection of the sampler itself. The accurate flow control system ensures precise sampler regulation in all configurations. Impactors and inlets can be adapted for pre-existing Air Flow-Puf sampler dusts. Air Flow PM-HVS samplers can be modified in TSP samplers with a filter holder support with a 150mm and 8x10 squared filter, and it is also possible to insert a purified polyurethane foam support in line with the PM2.5 dust sampler for simultaneous sampling of PM2.5 and IPA. Airflow HVS samplers are supplied complete with a power cord cable, instruction manual, adjustable support for uneven surfaces, control compartment lock and calibration report. Software for transfer available.

Technical Specifications

External sampler shelter	Non-corrosive anodised aluminium
Insulation Class	IP55
Sampling Flow	100-1300 lit/minute (depending on size selector)
Filter type	102mm circular
Flow control	Electronic with Venturi ISO 5167 device
Suction pump	Blowing in three magnetic induction stages
Power	220 Volt/50 Hz
Absorption (Ampere)	15 at start / 4 during operating phases
Dimensions	120x37x37 cm (H x L x W)
Weight	18.0 Kg
CE Compliance	For electric and electromagnetic safety


How to order

600/AFPUF1001K	Air Flow Puf high volume sampler
600/GRMET001K	Wind speed and direction sensor with assembly kit
600/AFPUF1001GSM	GSM/GPRS modem
FAN/MFQ102	Quarz Fiber filters 102mm pack.25
SK226-131	SKC Puf purified sampling tube (each)
SK226-129	SKC PUF/XAD-2 purified sampling tube (each)
600/SSK001K	AirFlow PUF start Up Kit (set of filters, PUF tubes, filter cassettes)
600/SCS001K	Heating conditioning system (Max. -30°C)
600/F60HV01K	Glass tube PUF cartridge
SKP226131	SKC 10 pieces not purified foam



AMS[®]
Analitica
Air Monitoring Systems

P.le Coralloni, 12 - 61122 Pesaro (PU) Italia
Phone +39 0721 26243 Fax: +39 0721 26285
www.amsanalitica.com info@amsanalitica.com

AMS Analitica srl
ISO 9001:2008
Quality management system certified

ISO 9001
BUREAU VERITAS
Certification



Authorized Distributor in Pakistan

LABTECH
Tel: 042-36677186-88, 0300-3000347
Email: info@labtech-me.com
Website: www.labtech-me.com