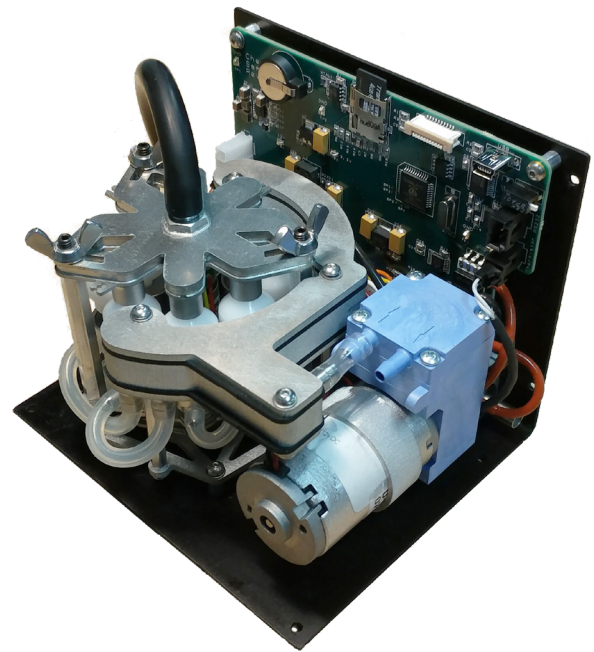


# BRECHTEL

**Solutions for your  
research challenges**

## **FILT 8-channel Filter Sampler Model 9401**



Collect filter samples for time-resolved aerosol chemistry measurements

### **Features:**

- Eight filters with software actuated sampling
- Portable, lightweight, low power use
- Sample flow rate, pressure and temperature measurements
- Self-contained with on-board software & data storage
- Field tested on unmanned aerial vehicles (UAVs)
- Sampling controllable by remote user commands

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# Providing Aerosol Measurement Solutions

## Specifications

Parameter	Value
Sample flow range	0.5 to 3.3 lpm
Sample flow accuracy	+/- 5%
Number of Filter Holders	8
Filter Holder	Pall 4317 (13 mm Swinney)
Teflon Filter	Pall 66147 (TF 450, 0.45 µm, 13mm)
Communications	USB and RS-232
Operating Temperature	-20 to 35 °C
Operating Pressure	200-1,100 mb
Operating Humidity	0-95% RH non-condensing
Physical Size	5.3 x 4.4 x 4.51 in/ 13.5x11.2x11.5 cm
FILT Weight w/o Display	2.18 lbs/987 g
Display Weight	0.25 lbs/112 g
Tablet PC Weight (option)	1.27 lbs/574 g
Supply voltage	12 VDC (9-16 VDC)
Power usage	10 watts
Mounting	Multiple hard mounting points on main bracket

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\*Some products may be shown with optional accessories, which are sold separately. Items shown may not be to scale.

## Applications

- Mobile platform sampling: UAVs, Balloons, Kites, Aircraft, Vehicles
- Personal exposure monitoring
- Climate change field studies
- Air quality monitoring
- Studies of health impacts by aerosols

## How to Order

Part No.	Description
9401	8-channel Filter Sampler
CHEM-FIL100	Package of 100 sample filters for 9401 Filter Sampler
ACC-FILKit	Maintenance kit for 9401 Filter Sampler
ACC-PWR	External 12VDC power supply for ground operation of any 94XX series instrument
ACC-PC	Computer with 94XX series control software
8008	Particle Round Jet Impactor (0.5 µm cut size, 0.7 lpm flow)
8009	Particle Round Jet Impactor (1.0 µm cut size, 0.7 lpm flow)
8010	Particle Round Jet Impactor (1.0 µm cut size, 2.0 lpm flow)
8011	Particle Round Jet Impactor (2.0 µm cut size, 2.0 lpm flow)