

°Catalytic Vapor Filter

MODEL
CVF400-V



CVF400-V

POWER AND INPUT

100-240 VAC 50/60 Hz 240 W

USB interface - Modbus communication

FEATURES

- Complete removal of Butanol or Propanol vapor (99.99 %)
- Max flow rate 4 L/min STP
- In-built flame arrestor & safety valve
- USB interface for remote control
- Can be used upstream or downstream of CPC pump
- Rack mountable
- Use for multiple CPC
- Display for easy temperature monitoring

BENEFITS

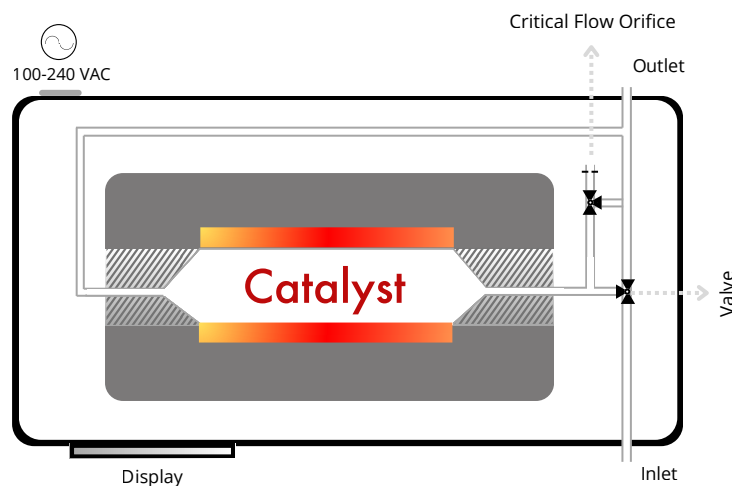
- Portable and easy-to-use
- Compatible with all commercial CPCs
- No consumable parts
- No servicing required
- Remote data logging with USB
- Built in safety: Safety valve bypasses the catalyst in case of an error to avoid damage or overheating
- Service recommended: every 2 years for 24/7 operation or 5 years for laboratory use.

The °Catalytic Vapor Filter (CVF) uses a heated catalytic element to convert CPC exhaust to clean air. The exhausts of Condensation Particle Counters (CPCs) often contain noxious butanol or isopropyl vapor which can contaminate ambient air or cleanrooms, biasing measurements, impairing work place safety.

Back view



Illustration



APPLICATIONS

- Exhaust measurements
- Ultrafine particle roadside measurements
- Public spaces
- Clean-room/chamber studies
- Remote sites
- Proximity to mass spectrometry

TO ORDER

CVF400-V

H x W x D (mm)

150 x 440 x 250

Weight (kg)

9.5

Inlet

6 mm

Swagelok

°Catalytic Instruments®
hot technologies • clean solutions

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°Catalytic Vapor Filter

MODEL
CCVF100



CCVF100

POWER SUPPLY

24 VDC power supply
(100-240 VAC 50/60 Hz) 50 W max.

FEATURES

- Complete removal of Butanol or Isopropanol vapor (99.99 %)
- Max flow rate 1.5 L/min STP
- For one CPC
- Built-in flame arrestor
- Can be used upstream or downstream of CPC pump

BENEFITS

- Portable and easy-to-use with automatic temperature control
- Compatible with all commercial CPCs
- No consumable parts
- Alarm function and relay for error transmission/remote logging
- Low power consumption < 20 W
- Service recommended: every 2 years for 24/7 operation or 5 years for laboratory use

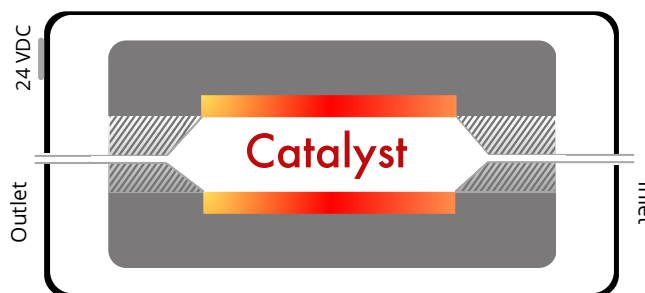
The **Compact °Catalytic Vapor Filter** (CCVF) uses a heated catalytic element to convert CPC exhaust to clean air.

The exhausts of Condensation Particle Counters (CPCs) often contain noxious butanol or isopropanol vapor which can contaminate ambient air or cleanrooms, biasing measurements and impairing work place safety.

Back view



Illustration



APPLICATIONS

- Exhaust measurements
- Ultrafine particle roadside measurements
- Clean-room/chamber studies
- Remote sites
- Ambient air monitoring
- Proximity to mass spectrometry
- Health effect studies

TO ORDER

CCVF100

H x W x D (mm)
138 x 303 x 138

Weight (kg)
4.5

Inlet
1/4"

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