

phoebe

## DV1 – TECHNICAL SHEET

**Product line:** Phoebe

**Family:** filtering unit

**Model:** DV1

### DESCRIPTION

Phoebe DV1 is a filtering module with 6,5 x 6,5 cm photocatalytic honeycomb filters designed to be connected to the common air treatment ducts for indoor air purification.

### TECHNICAL SPECIFICATIONS

Phoebe DV family is designed to be adapted to every kind of air duct, it is modular and can be adapted according to need. The present model represent one available option.

Width

24,3 cm

Height

28,4 cm

Depth

40 cm

Weight

1 Kg/module

Flow rate

Fans not included, it is exploited the flow rate of the duct. Suited to flow rate up to about 730 m3/h.

Energy consumption

145 W

Ceramic filters

32 of size 6,5x6,5x2 cm

Electrostatic filter

No (Available)

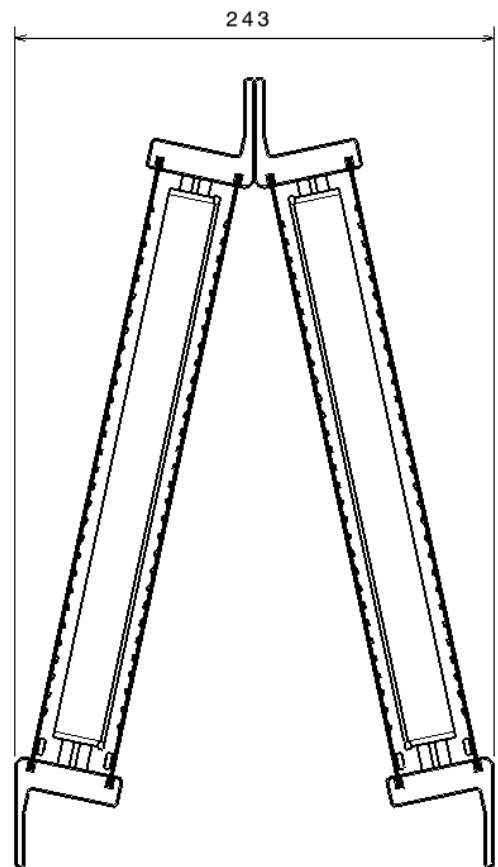
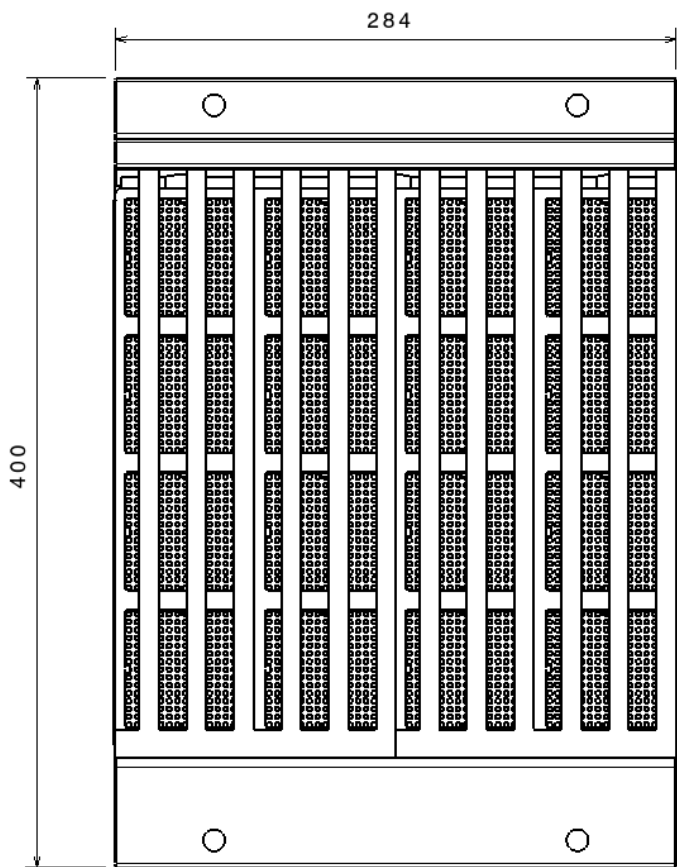
Power supply

220V

Warranty

24 months

TECHNICAL DRAWINGS



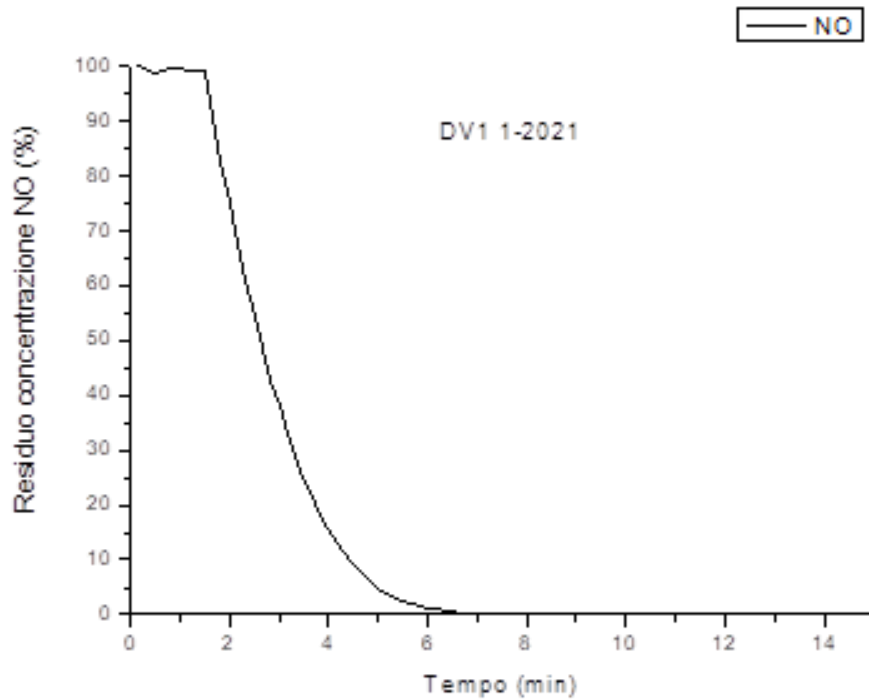
MAINTENANCE

The ceramic filters are low maintenance.

We advise to “regenerate” the ceramic filters one or twice a year typically, depending on the pollution of the environment, in order to restore the original performance that could decrease with time because of waste deposited with the purification. The procedure require to put the filters in a common kitchen oven at 200°C for 2 h and then put them back in their place.

ABATEMENT TEST

Abatement test of 100 ppb of NO in sealed chamber of 1 m<sup>3</sup> with a flow rate of about 290 m<sup>3</sup>/h. The NO in the chamber is completely shot down in about 6 minutes.



Abatement test of 500 ppb of NO in sealed chamber of 1 m<sup>3</sup> with a flow rate of about 310 m<sup>3</sup>/h (linear speed = 2 m/s) and 464 m<sup>3</sup>/h (linear speed = 3 m/s). The NO in the chamber is completely shot down in about 27 minutes.

