

VENTUS

Biofilter solutions

- high efficiency
- compact design
- solid construction
- trouble free operation
- long service life



PURECO 
THE PURE ECO

www.pureco.hu

VENTUS

Biofilter solutions

VENTUS A; P

The Ventus compact biofilter units are designed to treat medium volume airstreams wherever odor emissions occur, particularly in wastewater treatment plants, pumping stations, sludge handling units, sewage storage systems where putrefaction potential exist.

These filters are developed for our own constructed WWTP-s, of course we are open to offer for the market our well tested and tried units. The devices can be used for other fields such as the food, and chemical industry etc.

There are two types of operational modes for this equipment, an active and passive mode. This is determined by the type of the flow through the equipment, our



passive units can be easily upgraded to active, the main body remains the same the additional parts are the fan, control panel, and the automatic humidity control unit.

VENTUS units can handle from 10 to 500 m³/h, for higher airstreams you can multiply and increase the stages.

VENTUS G

The PURECO's VENTUS G is especially designed against the canalization of odor problems. Where due to the combined sewer (waste- and storm water together) odor emission through the open manhole covers is a possibility, the utilization of VENTUS G is recommended. It is easy to fit into the gully hole because it fits into the wastebasket place, during the maintenance it is easy to remove and replace. Standard size is for 600 mm covers, special sizes are available upon request.

VENTUS-Pipe

These biofilter units have been developed to reduce odors from various vent pipes and small pumping units. They fit easily and simply into the vent pipe or can be

placed into the pumping station cover through a hole.

Standard size is from 100 to 300 mm, air-flow 3-11 m³/h, custom sizes are available upon request. The filter media lifetime is between 5-7 years, depending on the weather conditions.

VENTUS-C

These filter containers are specifically designed to accommodate our customer's request, up to 10 000 m³/h, from the basic design to the fully equipped ones. Optional parts are:

- Reverse-flow scrubber
- Air distributor (multiple units)
- Operating cost optimization (container can be run separately).

The units are made from special, reinforced HDPE wall blocks, thus it is chemical proof and robust. The deluxe equipment operates automatically with practically no need for maintenance.

Name: VENTUS A;P		
Types	P	A
Capacity	10-500 m ³ /h	
Circulation type	flow forced	fan-driven
Material	polyethylene	
Efficiency	95%	95%
Dimensions		
Diameter	500 - 2100 mm	
Height	1100 - 2350 mm	
Weight	30-1900 kg	

* A and P meaning is active and passive.

Name: VENTUS G	
Types	for gullies
Capacity	10 m ³ /h
Circulation type	flow forced
Material	polyethylene
Efficiency	95%
Dimensions	
Diameter	490 mm
Height	600 mm
Weight	20 kg

Name: VENTUS Pipe	
Types	for vent pipes
Capacity	3-11 m ³ /h
Circulation type	flow forced
Material	polyethylene
Efficiency	95%
Dimensions	
Diameter	110 - 315 mm
Height	1100 mm
Weight	6-30 kg

address: H-1118 Budapest, Rétköz u.5. • BudaWest Office Building • phone: +36 1 224 0670

fax: +36 1 224 0679 • e-mail: info@pureco.hu • web: www.pureco.hu

The figures are for illustration. The technical changes, errors and typographical errors subject to change.

Published by Pureco Ltd. Copies: 15 000