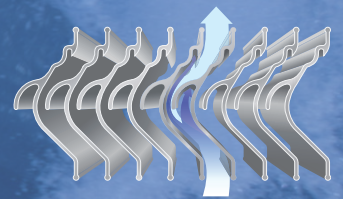
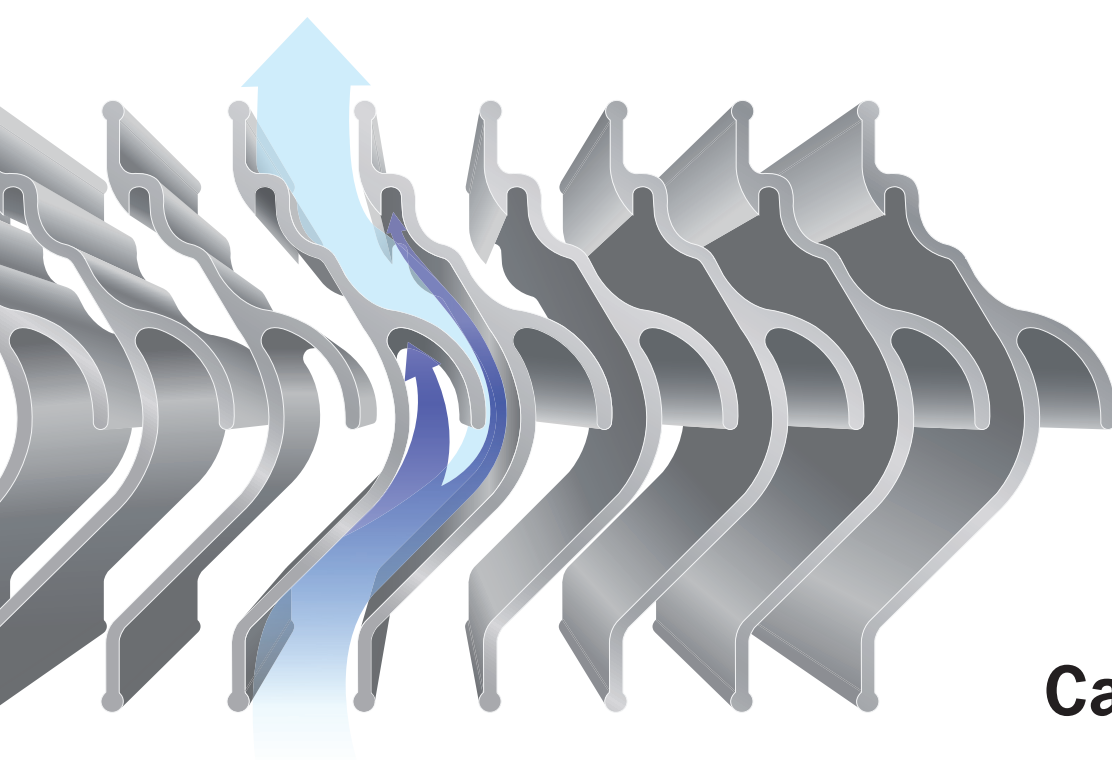


Rain, fog, and mist  
separator



Clean air solutions for turbomachinery





# CamVane

for turbomachinery



To maintain optimal engine performance and long maintenance intervals, gas turbines and other machinery must have the best available protection at a minimum resistance. When exposed to water from heavy rain, fog, and mist, the filtration system in the air intakes should be protected by a water and moisture eliminator system. This ensures better efficiency of the filters, lower system resistance, and less particulates from entering the system.



The CamVane droplet separator is a highly efficient moisture eliminator for air intake velocity of up to 5 m/s. Low operating pressure drop makes it a cost-effective first separator to any air intake system.



Key features:

- High separation efficiency
- Low pressure drop
- Wide velocity range
- Non-corrosive materials
- Wide range of dimensions
- Low noise level
- Minimized freezing risk

## Application areas

The CamVane droplet separators are used both in barrier (static) and self-cleaning air filter systems. It is recommended to use a moisture separator on most sites exposed to rain, fog, and mist.

For the past forty years, Camfil Power Systems has been developing and supplying air intake systems to a large number of gas turbine installations around the world. We work in close collaboration with all major turbine manufacturers.

## OEM REFERENCES

Siemens

General Electric

Nuovo Pignone

MAN Turbomaschinen

Rolls Royce

Dresser-Rand

Pratt & Whitney

Wärtsilä NSD

Hitachi

Solar Turbines

**Features**

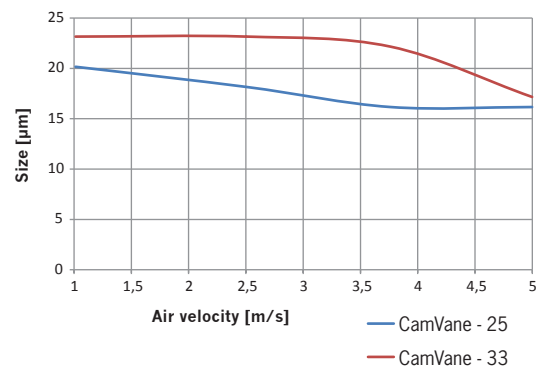
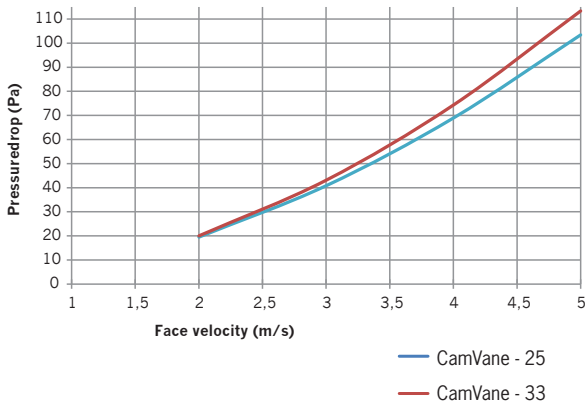
The CamVane has specially designed profiles where the air is forced into turbulence. Because of inertia, the water droplets are caught up in the vertical profiles while the airstreams continue in the inlet. With gravity, the collected water is directed to the bottom drainage system and removed. Compared to horizontal outer grids, vertical profiles have the advantages of stopping droplet formation and freezing.

The frame is available in extruded high-grade marine aluminium or a seamless stainless steel profile, making it a light, rigid construction. One or more drains, depending on the size of the frame, are placed on the bottom. The frame is provided with drilled or undrilled flanges on the air entering or outlet sides. Mounting is normally done by clamping to this flange. In order to optimize efficiency and/or pressure drop, the CamVane is available in two different profile spacings, 25mm and 33mm.



**Pressure drop**

**Droplet separation efficiency**



<b>Type</b>	Vertical vane droplet separator	<b>Vane profiles</b>	Extruded black polypropylene, strengthened with talcum (PP T30), stainless steel 304L /316L or high-grade marine aluminium
<b>Frame</b>	High-grade aluminium, stainless steel 304L/316L or painted carbon steel		
<b>Size width</b>	min. 300 mm, max. 2400 mm	<b>Spacer</b>	Black polypropylene strengthened with talcum or high-grade marine aluminium. Spacers available for equidistant spacing of 33 mm and 25 mm.
<b>Size height</b>	min. 300 mm, max. 3000 mm		
<b>Drain</b>	30 mm pipe construction		

<b>Application</b>	All installations with a need for rain, fog, and mist separation
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# Camfil Power Systems

## **Camfil – a global leader in air filters and clean air solutions**

For more than half a century, Camfil has been helping people breathe cleaner air. As a leading manufacturer of premium clean air solutions, we provide commercial and industrial systems for air filtration and air pollution control that improve worker and equipment productivity, minimize energy use, and benefit human health and the environment. We firmly believe that the best solutions for our customers are the best solutions for our planet, too. That's why every step of the way – from design to delivery and across the product life cycle – we consider the impact of what we do on people and on the world around us. Through a fresh approach to problem-solving, innovative design, precise process control and a strong customer focus we aim to conserve more, use less and find better ways – so we can all breathe easier.

The Camfil Group is headquartered in Stockholm, Sweden, and has 31 manufacturing sites, six R&D centres, local sales offices in 35+ countries, and 5,200 employees and growing. We proudly serve and support customers in a wide variety of industries and in communities across the world. To discover how Camfil can help you to protect people, processes and the environment, visit us at [www.camfil.com](http://www.camfil.com).

[www.camfil.com](http://www.camfil.com)

For further information please contact your nearest Camfil office.