

Description

The FI-GEA VENT 1 high-expansion foam generator is a static-type generator designed for saturating enclosed spaces of small to medium size.

This generator is particularly valued for its compact dimensions, which allow installation in confined spaces.

The FI-GEA VENT 1 generator requires no external power source and has no moving parts, providing advantages during installation and reducing maintenance needs over time.

The generator must be used in combination with a suitable foam proportioning system. Foam concentrates specifically developed and tested for use in high expansion systems must be employed, selecting combinations of generator and concentrate that have been tested together, in order to ensure the achievement of critical parameters such as the expansion ratio and the desired submersion height.

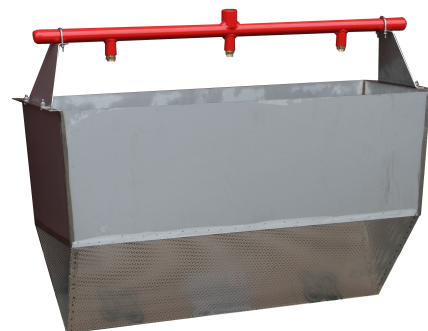
Applications

The FI-GEA VENT 1 generator is used in a wide range of applications, including:

- Fuel and flammable liquid storage areas
- LNG/LPG plants
- Small to medium-sized warehouses
- Paint booths

Use and Maintenance

For detailed installation, operation, and maintenance procedures, please refer to the FI-GEA VENT 1 operation and maintenance manual.



Compatibility with fluorine-free foams

The FI-GEA VENT 1 generator has been tested with specific fluorine-free foam concentrates. For further detailed information, please contact the company.

Technical characteristics	
Materials	Body in stainless steel AISI 304 Nozzle riser in painted carbon steel Brass nozzles On request, the body, riser, and nozzles can be manufactured in AISI 304 or 316 stainless steel
Inlet connection	1" threaded BSP F. Available upon request with a grooved or flanged connection
Weight	14 kg
Installation	Vertical or horizontal
Painting cycle	Nozzle riser red RAL 3000 Body natural finish (not painted)

Performances

Model	Nominal flow rate (lt/min)	Expansion ratio*
FI-GEA VENT 1	110 a 5 bar	1÷400-600

* The expansion ratio depends on the foam concentrate and on the installation conditions. It is recommended to supply the generator with clean air to achieve optimal performance.

Dimensions FI-GEA VENT 1

