

Description

The high expansion foam generator model FI-HEG is a static-type generator which, thanks to its very high expansion ratio (liters of foam produced from each liter of water-foam solution), is used for saturating large enclosed spaces. These high performances are achieved without any external power source or moving parts, which provides advantages during installation and reduces maintenance requirements over time.

The FI-HEG high expansion foam generator, in its single-unit version, is available in 3 different flow rate configurations.

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-HEG generator is used in a wide range of applications, including:

- Fuel and flammable liquid storage facilities
- LNG/LPG plants
- Warehouses
- Hangars

Use and Maintenance

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



Certifications



Bureau Veritas

The FI-HEG4 generator is certified in accordance with EN 13565-1 for use with hot smoke, with installation fully in enclosed environments. For detailed information on technical data and performance, please refer to the following certificates:

- Approval certificate M63028/22/MN/mn
- Approval certificate M63140/24/MN/mn
- Approval certificate M63077/21/MN/mn

Compatibility with fluorine-free foams

The FI-HEG generator is certified and tested with specific fluorine-free foam concentrates. For further detailed information, please contact the Company.

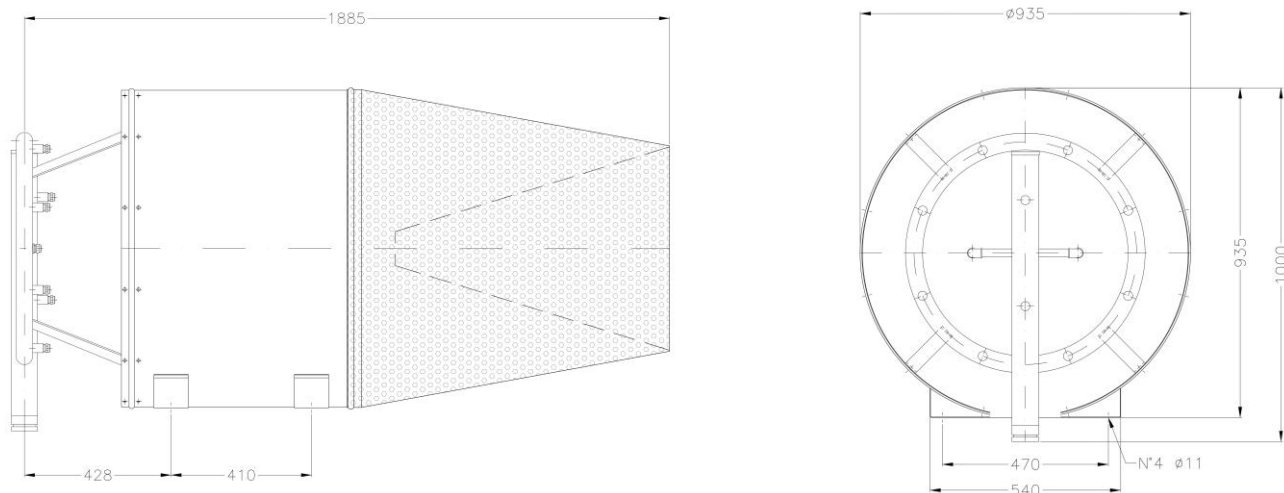
Technical Characteristics	
Materials	Body in stainless steel AISI 430 Nozzle riser in painted carbon steel Brass nozzles On request, the body, riser, and nozzles can be manufactured in AISI 304 or 316 stainless steel
Inlet connection	FI-HEG 2-4: 2 1/2" grooved, flanged or threaded FI-HEG 8: 3" grooved, flanged or threaded
Weight	FI-HEG 2-4: 55 Kg FI-HEG 8: 200 Kg
Installation	Vertical or horizontal. The nozzle riser can be rotated to allow the connection to be oriented along the four axes
Painting cycle	Nozzle riser red RAL 3000 Body natural finish (not painted)

Performances

Model	Nominal flow rate (lt/min)	Expansion ratio*
FI-HEG 2	260 at 5 bar	1÷450-750
FI-HEG 3	305 at 5 bar	1÷450-750
FI-HEG 4	400 at 5 bar	1÷450-750
FI-HEG 8	800 at 5 bar	1÷450-750

* 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-HEG 2-4



Dimensions FI-HEG 8

