FOAM DISCHARGE EQUIPMENT

Model AG-HEX

High expansion foam generator

AG-HEX 250 / AG-HEX 300 / AG-HEX 400

PRODUCT DESCRIPTION

The AG Fire Sprinkler high expansion foam generator model AH-HEX is used in fixed installations protecting enclosed rooms where it is necessary to extinguish the entire fire volume. The generator is designed to expand the foam into a large volume of bubbles with expansion ratios up to 725:1. All this is achieved without the need for moving parts or external power sources which offers advantages in both installation and maintenance of the device.



SPECIFICATIONS

The device is constructed with different corrosion resistant materials, the body is made of AISI 304L stainless steel, the manifold is made of S195T carbon steel and the nozzles are made of brass with low zinc content (less than 15%).

It has a standard 2-1/2" grooved connection, although ANSI or DIN flange connection is available as an option.

APPLICATIONS

High expansion generator model AG-HEX can be used in warehouses, flammable liquid tanks, tunnels, marine engines and pump rooms. In addition, it is also useful as Class A and B firefighting agent, controlling Liquefied Natural Gas (LNG) fires by blocking the thermal feedback of flames into the LNG and helping to control the release of combustible vapors.

OPERATION MODE

The foam solution enters the device's inlet manifold and is distributed through the manifold nozzles. Air is introduced into the discharge solution stream from the nozzles due to the Venturi effect that occurs due to the expulsion of the foam solution. The resulting aspirated solution passes through the discharge grid and the finished foam is expanded.

TECHNICAL DATA

-Model: AG-HEX.

-Connections: Grooved 2-1/2" or flanged ANSI or DIN optional.

-Work pressure: 3 to 7 bar.

-Expansion rate: 1:400-725

-Materials: Stainless Steel AISI 304L body, carbon Steel S195T manifold and brass nozzles (<15% zinc).

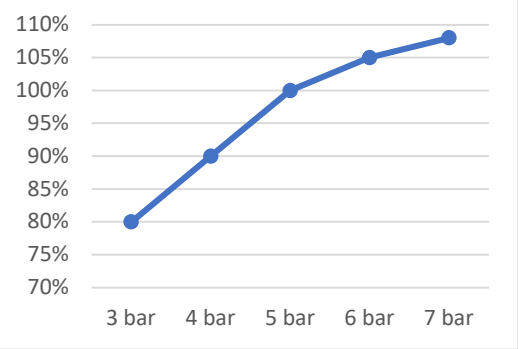
-Weight (aprox.): 64,5 kg.

-Finish: Manifold Red RAL 3001 and natural body.

FLOW RATE

Model	Flow @ 5 bar
AG-HEX 250	250 lpm
AG-HEX 300	300 lpm
AG-HEX 400	400 lpm

EXPANSION



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INSTALLATION, TESTING AND MAINTENANCE

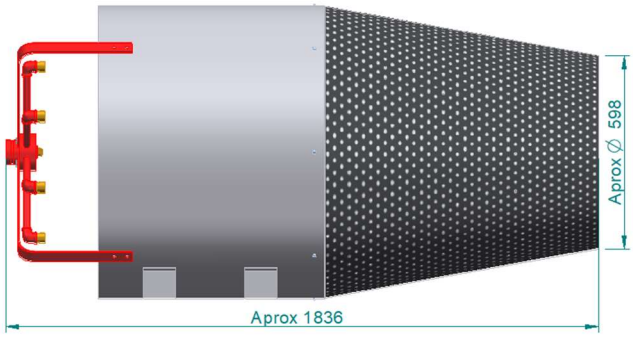
The foam generator must be installed, inspected and monitored by a qualified and trained person.

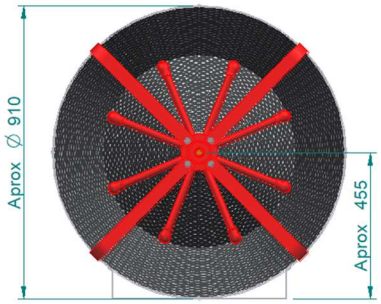
It should be inspected regularly for damage or soiling. If abnormal conditions such as low discharge, excessive wear, water leakage, corrosion effect, damage, etc. are observed. The generator should be removed from service and repaired by a qualified technician or replaced if necessary.

When removing the equipment for maintenance, be careful not to damage connections and lines.

The owner is responsible for maintaining the foam generator in proper operating condition.

DIMENSIONS





ORDERING INFORMATION

FLOW	CODE
250 lpm	AG-HEX250
300 lpm	AG-HEX300
400 lpm	AG-HEX400

Please specify the following when ordering:

Model	
Quantity	
Flow	
Connection	

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