TANK AND CONTAINER PROTECTION

Model FES-050U & FES-065U
Foam maker
Carbon Steel / Stainless Steel



PRODUCT DESCRIPTION

Foam makers model FES-050U and FES-065U from AG Fire Sprinkler are designed as an air aspirating discharge used principally for the protection of open floating roof storage tanks.

The flow rate of the foam maker is determined by the orifice size and the inlet pressure, with nominal flow rates ranging from 70 to 560 lpm.

The air inlet screen conforms to the body of the foam maker and prevents damage by the entrance of foreign material.

The foam pourer is a part of the typical installation of the foam maker.

The foam maker is used for coverage of bounded areas or to protect floating roof, flammable liquid storage tank. It is located outside the diked area surrounding the storage tank. They can be used with various types of proportioning equipment including bladder tanks, inline foam inductors and balance pressure foam proportioning system.

The foam maker should be installed in accordance with NFPA 11.

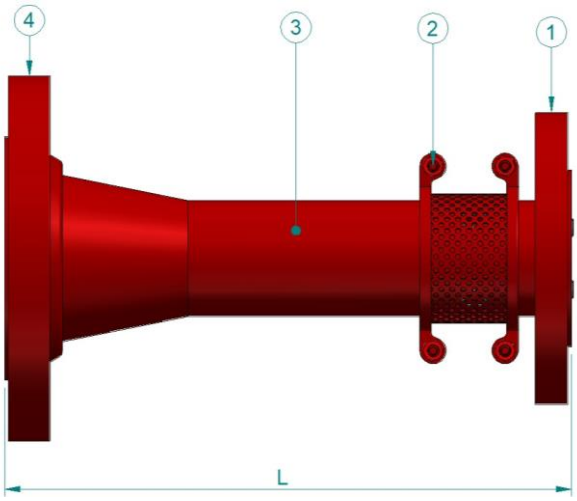
Additional applications include protection of diked flammable liquid storage and spill areas.

TECHNICAL DATA

Models	FES-050U /, FES-065U: Carbon Steel FEI-050U,/ FEI-065U: Stainless Steel
Sizes	FES-050U & FEI-050U: Inlet 2” DN50 – Outlet 3” DN80 FES-065U & FEI-065U: Inlet 2,5” DN65 – Outlet 4” DN100
Working pressure	2,5 Kg/cm² (35,5 psi) – 7,5 Kg/cm² (106,6 psi)
Flange connection	ANSI B16.5 Class 150#
Flow	FES-050U & FEI-050U: 70-325 lpm FES-065U & FEI-065U: 100-560 lpm
Weight (approx.)	FES-050U & FEI-050U: 11 Kg FES-065U & FEI-065U: 15 Kg
Finish	Red RAL 3000

C/Alfoz de Bricia nº4 | P.I. Villalonquéjar | 09001 Burgos (Spain) | Tlfno: +34 947 28 11 08

DIMENSIONS

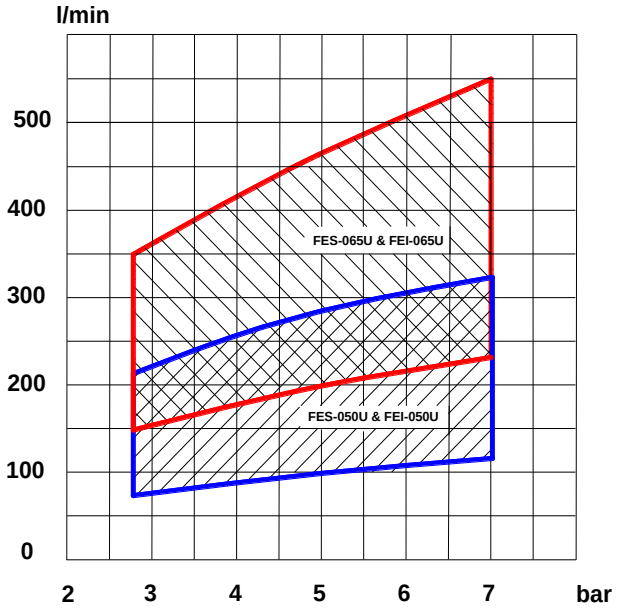


FOAM MAKER SIZE	INLET (1)	OUTLET (4)	L
2” DN50	2” DN50	3” DN80	300 mm
2 ½” DN65	2 ½” DN65	4” DN100	400 mm

MATERIALS

ITEM	DESCRIPTION	MATERIAL	
		FES	FEI
1	Inlet flange	Steel	Stainless Steel
2	Strainer assembly	Stainless Steel	Stainless Steel
3	Foam making chamber	Steel Pipe	SS Pipe
4	Outlet flange	Steel	Stainless Steel

CAPACITY RANGE FOR FOAM MAKER



C/Alfoz de Bricia nº4 | P.I. Villalonquéjar | 09001 Burgos (Spain) | Tlfno: +34 947 28 11 08

FACTOR K

To select the size of the Foam Maker use the following formula:

FOAM MAKER SIZE	K FACTOR (UL LISTED)
2” DN50	45 to 127
2 ½” DN65	90 to 208

TESTING AND MAINTENANCE

The system must be installed, inspected and tested by a qualified and trained person. It is recommended to carry out physical inspection of the system regularly, at least once in a year or in accordance to standards of the organization having local jurisdiction.

Do not turn off the system or any valve to make repair or test the system, without placing a roving Fire Patrol in the area covered by the system. The Patrol should continue until the system is put back in service. Also inform the local security guard and control alarm station, so as to avoid false alarm.

Each system is to be flushed properly. To test the Foam Maker without discharging the foam into the tank seal area, the foam maker is to be rotated 180º away from the wind shield. The air screen is to be inspected periodically for obstruction of air inlet holes. If any obstruction is noticed, remove the same and flush if necessary. The foam maker outlet and pourer, if exposed to atmospheric condition, should be periodically inspected for nest and other obstructions. Any obstruction if noticed must be removed and flushed to clear the discharge path.

NOTE:

A provision is to be made for pressure gauge mounting at inlet of foam maker, which may be plugged after successful commissioning of the system. This will help to analyze the system while commissioning.

The owner is responsible for the testing, inspection and maintenance of the foam maker and the system.

ORDERING INFORMATION

INLET / OUTLET	MATERIAL	
	CARBON STEEL	STAINLESS STEEL
2” DN50 / 3” DN80	FES-050U	FEI-050U
2 ½” DN65 / 4” DN100	FES-065U	FEI-065U

Specify:

Model	
Quantity	
Inlet Size	
Inlet pressure	
Flow solution	
Flow required	
Inlet and outlet flange	
Type of foam concentrate used	

C/Alfoz de Bricia nº4 | P.I. Villalonquéjar | 09001 Burgos (Spain) | Tlfno: +34 947 28 11 08

AG FIRE SPRINKLER

AG Fire Sprinkler offers a wide selection of components. Then a list of products is presented by AG Fire Sprinkler, we can offer all these components, made with precision to protect people, anywhere, anytime.

- Sprinklers
  - Standard Coverage
  - Extended Coverage
  - Storage
  - Dry
  - Accessories
- System Valves
  - Wet
  - Dry
  - Preaction Equipment
  - Accessories
- Spray System Open Nozzles
  - High Velocity Nozzles
  - Medium Velocity Nozzles
  - Window Nozzles
  - Hydroshield Nozzles
  - Mushroom Type Nozzles
- Foam equipment
  - Tanks
  - Proportioners
  - Foam Discharge Equipment
  - Foam Concentrates
- Deluge equipment for Water Spray and Foam
  - Clapper Deluge Valves
  - Diaphragm Deluge Valves
- Monitors
  - Manual Monitors
  - Remote Monitors
  - Monitor Nozzles
  - Towers and Trolleys
- Valves
  - Butterfly Valves
  - Gate Valves
  - Check Valves
  - Pressure Control Valves
  - Test and Drain
  - Hose, Hydrant and Fire Connection Valves
  - Fire Department Connections

The equipment presented in this bulletin is to be installed in accordance with the latest published Standard of the National Fire Protection Association, Factory Mutual Research Corporation, or other similar organizations and also with the provisions of governmental codes or ordinances whenever applicable.
This documentation is not contractual. AG Fire Sprinkler reserves the right to any kind of change without notice.

C/Alfoz de Bricia nº4 | P.I. Villalonquéjar | 09001 Burgos (Spain) | Tlfno: +34 947 28 11 08