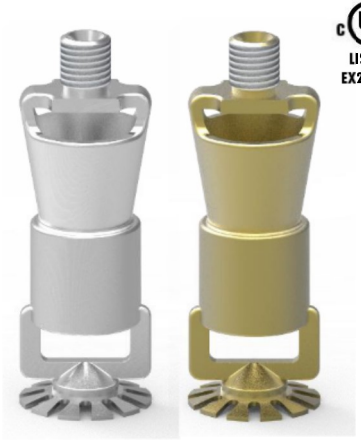
DISCHARGE EQUIPMENT

Model REB-015U & REI-015U

Low expansion foam sprinkler



LISTED
EX26768

DESCRIPCIÓN

Foam-Water Sprinklers models REB-015U and REI-015U are open and air aspirating type. They are used in deluge foam systems. The Foam-Water Sprinkler has standard orifice with K-factor of 42.

Foam-Water Sprinklers are designed to operate at a minimum pressure of 2,2 bar (32 psi) and a maximum of 4,4 bar (64 psi). The Foam-Water Sprinkler with K-42 will deliver about 61 lpm at 2 bar pressure. The standard coverage per Foam-Water Sprinkler is 9.3m^2. (100sq.ft.).

TECHNICAL DATA

Model	REB-015U - Bronze REI-015U - Stainless Steel
Mounting	Pendent
Maximum working pressure	12 bar (175 psi)
Operating pressure	2,2 bar (32 psi) - 4,4 bar (64 psi)
End connection	1/2" BSPT (1/2" NPT Optional)
K-Factor	K-42 standard Other K-factor can be provided as optional without UL Listing
Discharge angle	100º
Finish	Natural finish
Weight (Approx.)	0,5 Kg

SYSTEM DESIGN

Below is shown few guidelines of the minimum requirements of the foam system design.

a) Foam solution discharge rate: Area of hazard X application rate.

b) Minimum foam solution application rate required as per NFPA is 6,5 lpm/m^2 for the floor area of hazard to be protected.

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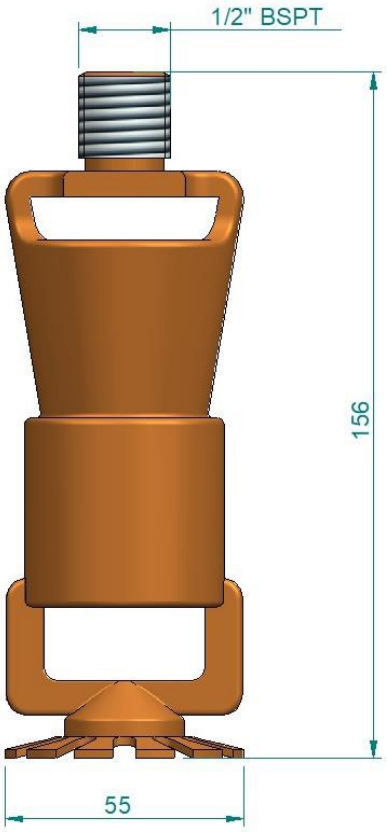
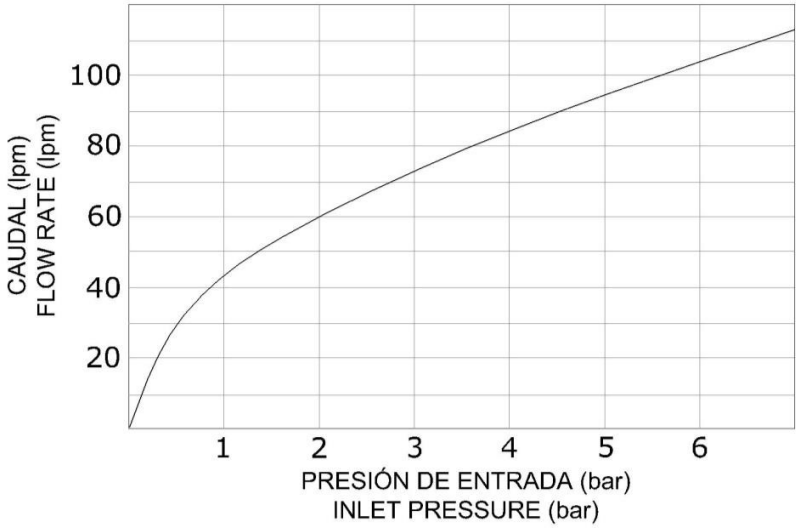
DIMENSIONS



PRESSURE VS FLOW PERFORMANCE CHARACTERISTIC



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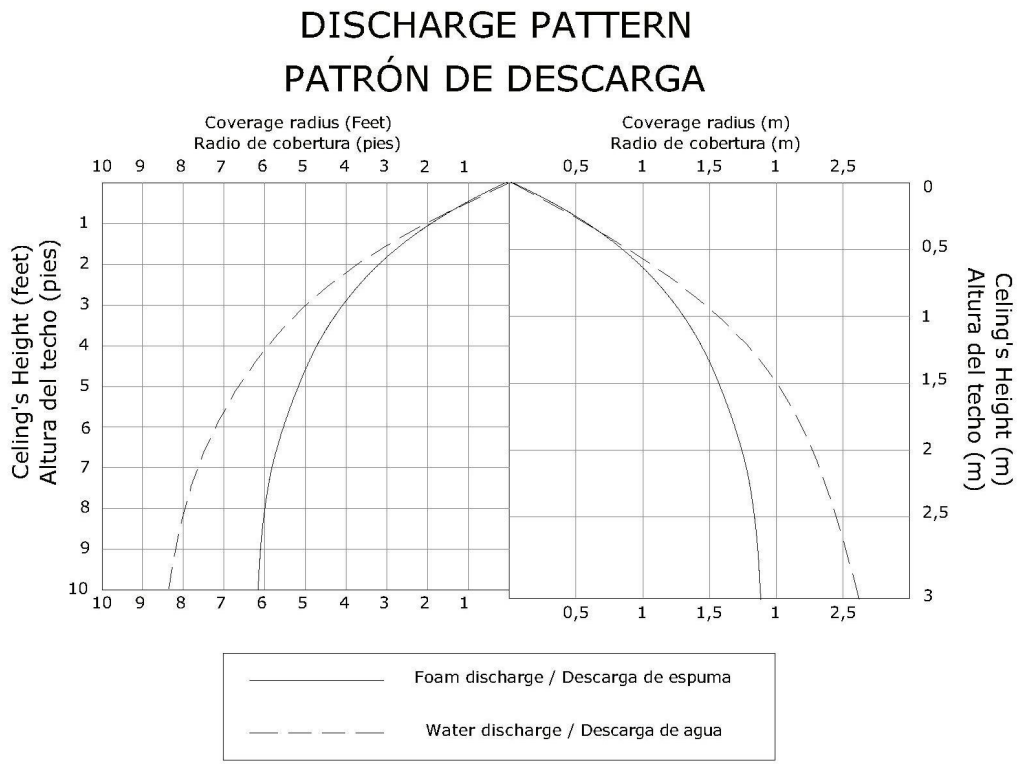
DISCHARGE PATTERN



INSTALLATION AND MAINTENANCE

The low expansion foam water sprinkler from AG Fire Sprinkler must be handled with special care.

If the low expansion foam water sprinkler is damaged should not be installed.

The sprinkler must to be tightened in to fitting using Teflon tape on the male thread of the sprinkler to seal the fitting. If the torque applied is excessive it could cause serious damage to sprinkler arms and the deflector which may affect spray pattern of the nozzle and its performance.

The foam spray system should be inspected regularly by a qualified and authorized technician. The nozzle must be checked for atmospheric effects, external and internal obstruction, blockage if any. The nozzles should be cleaned or replaced in case it would be required. The system must be operated with optimum water flow, at least, twice in a year or as per the provisions of NFPA or as per authority having jurisdiction.

The owner is the only responsible for the testing, inspection and maintenance of the Foam-Water Sprinkler and system.

ORDERING INFORMATION

SIZE	MATERIAL	
	STAINLESS STEEL	BRONZE
½" DN15	REI-015U	REB-015U

Specify:

Model	
Material	
End Connection	
K-factor	

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- 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

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