# 42001

### a.b.s. S.r.l. (Milan) Italy

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## Foam water sprinkler

#### **TECHNICAL DATA**

Model Mounting

**Operating Pressure** 

Max. Working Press.

Connection

Material

K-Factor

Finish Weight Ordering Information F

Pendent

**Min.** 2.1 Bar (30 PSI) **Max.** 4.2 Bar (60 PSI) 12 Bar (175 PSI) 3/4" BSPT

(3/4" NPT Optional)

Brass

K-113 standard Other K-factor can

be provided as optional Natural Brass finish (Approx) 0.750 Kg Specify Model, end

connection



The Foam-Water Sprinklers are used in the deluge foam system to protect the risk where foam is required to be applied from overhead sprinklers and is to be followed with plain water in a standard sprinkler pattern.

Foam Water Sprinklers protect the loading and unloading area in the event of a spill fire with low expansion foam systems.

These are useful in other wide applications including AirCraft Hangars.

### **SPECIFICATION**

Foam Water Sprinklers are open and air aspirating type. The pattern of coverage is similar to the conventional sprinkler head.

The Foam Water Sprinkler has standard orifice with K-factor of 113.

Foam Water Sprinklers are designed to operate at a minimum of 2.1 bar pressure and maximum of 4.2 bar. The standard coverage per Foam Water Sprinkler is 9.3 sq.m. (100 sq.ft.)

### SYSTEM DESIGN

The following are a few guidelines for minimum requirement of foam system design.

- a) Foam solution discharge rate : Area of hazard X application rate.
- b) Minimum foam solution application rate required is 6.5 LPM/sq.m. for the area of hazard to be protected.



### **MAINTENANCE**

The water foam sprinkler must be handled with care. For best results, the storage as well as any further shipment be made in original packing only.

Water foam sprinkler which is visibly damaged should not be installed.

Use Teflon tape or soft thread sealant on male thread of the sprinkler.

The sprinkler must be hand tightened into the fitting. Excessive tightening torque may result into serious damage to sprinkler arms and the deflector which may affect spray pattern of the nozzle and it's performance.

It is recommended that water foam spray system be inspected regularly by authorised technical personnel. The nozzle must be checked for atmospheric effects, external and internal obstruction, blockage if any. The nozzle should be cleaned or replaced if required.

The system must be operated with optimum water flow at least twice in a year.









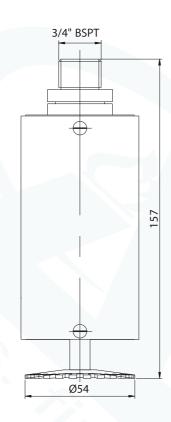


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### **DIMENSIONS**



## Sprinkler coverage radius [m]

