

MOBILE FOAM EXTINGUISHING DEVICE MANUAL



FKFM150

SYSTEM INTRODUCTION



Mobile foam storage device, also known as pipeline foam fire extinguishing system, is used to connect the fire hose interface and the fire hydrant interface in series. It is mainly used for extinguishing class A, B and C non water soluble liquid fires and places where class A, B and C liquid loading and unloading areas and storage areas are prone to leakage.


The device is suitable for municipal residential areas, factories and mining enterprises, oil depots, chemical departments, heat treatment workshops, gas stations and other places. The water supply source is used by underground ground fire hydrants, indoor fire hydrants, motor-driven water pumps and fire water tankers.


The mobile foam storage device has the characteristics of low price, convenient operation and maintenance, long injection time and high fire extinguishing performance. It is an ideal fire fighting equipment for enterprises and a fire fighting fluid point attached to the professional fire brigade of the city.

If the device is equipped with kj50 / 65 reducing interface, it can be used for the fire hydrant interface in different places. The device is generally operated by two people, one is connected with the water hose of the fire gun and the other is connected with the water hose of the fire hydrant and the ball valve of the fire hydrant is opened for water supply.



 www.amanfire.com  info@amanfire.com

 +971 4 258 0090

 DUBAI, UAE

WORKING PRINCIPLE

The fire hydrant provides water supply to the inlet interface of the device and provides pressure water of not less than 0.20MPa. When the pressure flow reaches the negative pressure of the low pressure cavity through the proportional mixer low pressure cavity, the foam liquid is sucked out and automatically mixed in a certain proportion. The mixture flows through the water belt to the foam launching gun, and the mixture is ejected through the foam launet gun throat. Mix with air again for foaming, and finally mix the foaming liquid and spray it out from the muzzle to extinguish the fire.

PERFORMANCE PARAMETERS

1. Overall dimension (mm): L×w×H=1260×550×880
2. Total mass of equipment (kg): 200kg
3. Operating temperature range (°C): + 4 °C ~ + 49 °C
4. Optimal water supply pressure (MPA): 0.30-0.50mpa
5. Maximum water supply pressure (MPA): ≤ 1.0MPa
6. Foam liquid mixing ratio: 6%--7%
7. Total volume of storage tank (L): 150L
8. Storage of foam liquid (kg): 150kg
9. Filling foam class: protein foam solution Fluorine protein foam solution 3% water film forming foam solution (to replace product spare parts).
10. Effective spraying time (min): ≥ 15min
11. Effective range (m): ≥ 10m