

## SECTION FOUR – FOAM UNIT

### INTRODUCTION

The Foam Unit is crewed by Telford Central Fire Station. It is designed to transport bulk stocks of foam and foam producing equipment to large or protracted incidents involving flammable liquid fires, or flammable or toxic liquid spillages.

The Foam Unit is part of the pre-determined attendance to specific risks within the County. It is also available on request by any Incident Commander.

### DESCRIPTION

The Foam Unit is based on a demountable flat bed Multilift unit. It consists of 4 x 1000 litre glass reinforced plastic (GRP) bulk containers which are located on the rear deck, and a walk in locker for stowage of foam equipment. The four bulk containers are secured by locating plates on the floor and held down by ratcheted cargo straps. They are protected by individual galvanised steel cages which incorporate a steel pallet. Access to each container is by a top 150mm opening fitted with a plastic screw cap. The containers may be drained if required by means of a 50mm tap at the base, the tap should normally be kept locked by means of a fitted screw lock to avoid accidental opening. The containers are colour coded as shown below, to indicate the type of foam contained and a key to the colours appears inside the lockers.

YELLOW	-	Low/medium expansion fluoroprotein foam compound
WHITE	-	High expansion synthetic foam compound
GREEN	-	Film forming fluoroprotein foam compound.

Located on the nearside of the outside of the front headboard of the unit is a hatch which contains a retractable lead to be connected to a remote 110v generator to run the unit's self contained lighting system. Also contained in the hatch is a residual circuit breaker switch. Inside the walk in locker are two 110v bulkhead lights, with two more on the outside of the rear locker bulkhead to illuminate the deck. The switches for all lights are inside the nearside locker door.

## **SAFETY**

### **ONLY PERSONNEL TRAINED IN THE USE OF THE UNIT SHOULD DEMOUNT THE SYSTEM.**

- Prior to setting up the unit for foam delivery, the rear safety rail and at least one of the side rails must be removed to give access to the bulk containers. The safety rails must be lifted by two people and are labelled as such.
- Head protection must be worn inside the locker.
- When locker doors are open they must be secured using the hooks and chains provided.
- The lighting system must be run by 110v generator only.

## **INVENTORY OF FOAM UNIT EQUIPMENT**

### **BULK CONTAINERS**

2 x 1000L Low/Medium expansion fluoroprotein foam  
1 x 1000L Film forming fluoroprotein foam  
1 x 1000L High expansion foam

### **EQUIPMENT**

#### **Foamaster Foam Branches**

2 x F225 All yellow  
2 x F450 Yellow with red band  
2 x F900 Yellow with blue band

#### **Inductors**

3 x Ind 450 Yellow with red band  
2 x Ind 900 Yellow with blue band  
6 x Dip tubes  
2 x Hose Beckets  
1 x Medium expansion branches M.Ex 450

#### **High Expansion Foam Equipment**

2 x Generators  
2 x Z2 H.E. Inductors all red  
2 x H.E. Dip tubes  
2 x 10m Layflat ducting (disposable)  
4 x Net Assemblies  
2 x Smoke extraction duction  
Lanyard cord  
4 Hose Beckets  
2 Dividing Breechings