

## SECTION THREE B – DELTA AUTOMATIC ATTACK 500 MAINLINE BRANCH

### INTRODUCTION

The Delta Automatic Attack 500 mainline branch is introduced to replace the Akron Turbojet and Marauder branches on all pumping appliances.

### DESCRIPTION

The Delta Automatic Attack 500 mainline branch is of rugged construction and incorporates a stainless steel ball valve which requires minimum maintenance. A stainless steel mesh filter and wide flush setting stop any obstruction of the water flow when in use.

In addition the branch has stainless steel spinning turbine teeth to produce a dense fog pattern and multiple 'click' settings with positive action to adjust the jet/spray pattern.

Selectable flow range options are available offering 125, 250, 375 and 500 l/pm. The normal operating pressure is 5 to 8 bar but the branch will remain fully operational at pressures as low as 3.5 bar.

### LOCATION

Each pumping appliance will carry two Delta Automatic Attack 500 mainline branches, one on either side of the appliance.

### USE

The branch is turned on and off by use of a lever mounted above the handle. The lever is marked **ON** and **OFF** and is controlled by a series of 'click' settings.

The stream may be altered from jet to spray by rotating the nozzle in line with the symbols indicated around the periphery. The optimum spray pattern for use in preventing flashover situations is indicated by a positive click setting. The flush setting may be obtained by rotating the nozzle fully clockwise until it stops.

The branch may be used to deliver a flow rate of between 125 to 500 l/pm depending on conditions.

## **SAFETY**

- A charged jet should never be pointed at personnel.
- Branches should always be opened and shut slowly to counteract the effects of jet reaction.

## **MAINTENANCE AND TESTING**

The branch should be tested in accordance with the Fire Service Manual Volume 1 and the test record on forms:

**FB77(W) – Rescue Pump – Weekly Standard Test Record**

or

**FB89(W) – Water Tender Ladder – Weekly Standard Test Record.**

Defective branches should be reported to Technical Services who will arrange for a replacement to be issued and the defective branch will be repaired by Workshops.