|  |  |  |
| --- | --- | --- |
|  |  | C:\Users\mmarucci\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\SYFR_cmyk portrait.png |
|  | South Yorkshire Fire and RescueOperational Guidance |
|   |
|  |
|  |  |
|  | Equipment Manual |  |
|  |  |  |
|  | **Dry Powder Fire Extinguisher****Jewel 6Kg ABC Powder 183B**Equipment Category: Branchpipes, Hose and Media  |  |
|  |  |
|  |  |  |  |
|  | Operational Guidance  |  |

Equipment Manual

Fire and Rescue Service

Operational Guidance

**Dry Powder Fire Extinguisher**

Jewel 6Kg ABC Powder 183B

Table of Contents

1 General Description and Primary Function 3

2 Hazards 3

2.1 Control Measures 4

3 Construction 4

3.1 Features 4

3.2 Diagram 5

4 Operation 5

4.1 Basics of Operation 6

4.2 Replenishment Policy 6

5 Tests 6

6 Technical Information 6

7 Further Reading 7

Equipment Manual

Fire & Rescue Service

Operational Guidance

**Dry Powder Fire Extinguisher**

Jewel 6Kg ABC Powder 183B

# General Description and Primary Function

The Jewel 6Kg Dry Powder Extinguisher is carried by all Scania Rescue Pumps and HRPs.

It can be used against Class A, B, C and Electrical fires.

# Hazards

|  |  |
| --- | --- |
|  | The following hazards are associated with the Dry Powder Extinguisher:* Projectile particulates causing damage to eyes or the respiratory system;
* dry powder extinguishers can trigger asthma;
* manual handling; and
* noise.

A full risk assessment of all hazards and control measures is available upon request to Technical Services, Health and Safety or via Masterisk. |

## Control Measures

|  |  |
| --- | --- |
|  | * Only trained personnel should use this equipment.
* Pay close attention to all safe working practices and manual handling techniques learned during training;
* a minimum number of people should be in the risk area;
* this equipment should be inspected, maintained and undergo a system of planned preventative maintenance according to the standard test schedule.

PPE:* Fire tunic and leggings;
* structural firefighting gloves and boots; and
* helmet with visor down and goggles.

When equipment is used at an incident also refer to all incident specific PPE and/or directions according to the discretion of the Incident Commander. |

# Construction

## Features

* Manufactured to BS EN3 and CE1266;
* corrosion resistant finish and plastic safety base;
* pressure gauge showing cylinder content;
* the 6Kg content of the extinguisher can be used within 19 seconds of use at full power; and
* the dry powder is non-toxic and non-hazardous, or though in an enclosed space the dry powder can trigger reaction in asthmatics.

## Diagram

|  |
| --- |
| Figure 1 – Diagram of the Jewel 6Kg ABC Powder 183B Fire Extinguisher  |
|  |
| Component parts |
| A | Control Handle  | **B** | Pressure Gauge |
| C | Nozzle | **D** | Extinguisher Type Information  |
| E | Fire Type Information  | **F** | Usage Information |

# Operation



|  |  |
| --- | --- |
|  | * Dry powder extinguishers are very messy. The powder will stick to anything static (televisions, computers etc.); and
* the powder can bring on breathing difficulties for asthma sufferers.
 |

## Basics of Operation

1. Remove safety tag;
2. remove safety pin;
3. aim the hose at the base of the fire; and
4. squeeze the control handle.

External video: (Ctrl + Click)

* <https://youtu.be/sN44j5zp8cQ>

## Replenishment Policy

To replace a dry powder extinguisher, put in a web request on Integra Web Basket (link below). Place the spent extinguisher in the stores cadge, the swap will occur on the next stores run.

* <http://syfireweb1/siteforward?site=integra-live> (Ctrl + Click)

NOTE: All spent extinguishers are taken by Jewel to be reused and recycled.

# Tests

Test the in accordance with Standard Test Schedule 25.

# Technical Information

|  |
| --- |
| Table 1 – Technical Specification of the Jewel 6Kg ABC Powder183B Fire Extinguisher  |
| Media Capacity | 6 Kg |
| Charged Weight | 9.5 Kg |
| Operating Pressure | 14 bar |
| Discharge Time | 19 Seconds |
| Range of Throw  | 6 m |
| Dimensions (H x W) | 520 x 180 mm |

#

# Further Reading

|  |  |
| --- | --- |
|  | Further information regarding this equipment and the principles of operation can be found in the following documents:* Equipment Risk Assessment;
* Technical data from the manufacturer <https://www.safefiredirect.co.uk/Downloads/Public/6%20kg%20powder.pdf>
* Standard Test Schedule 25; and
* <https://youtu.be/sN44j5zp8cQ>
 |