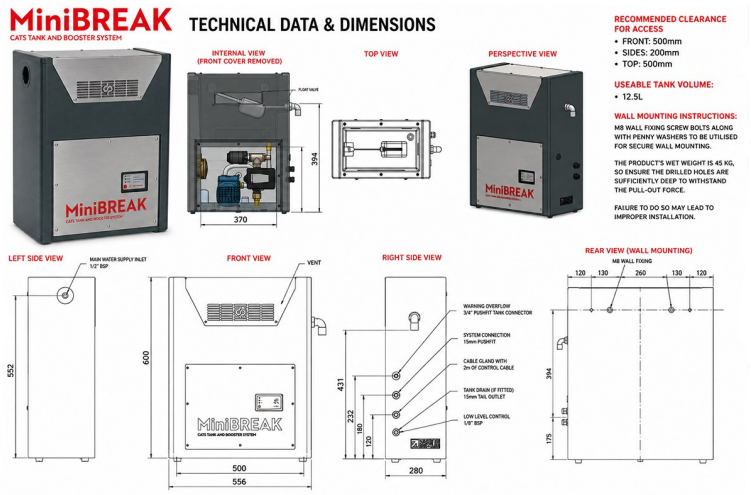
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# CAT5 Protection Unit for Safety Eyewash Equipment




Product Code: CAT5-EW

### CAT5 Protection Unit for Emergency Eyewash Systems

MiniBREAK Break Tank & Booster Package

The MiniBREAK is a compact CAT5 backflow protection unit designed specifically for emergency eyewash stations, safety showers and industrial wash systems where direct mains connection is not permitted.

Using a Type AB air gap break tank arrangement, the system helps prevent contamination of the potable water supply while maintaining reliable water delivery to emergency wash equipment.

Supplied as a fully packaged booster and break tank set, the MiniBREAK provides a practical and compliant solution for installations requiring Fluid Category 5 protection under current UK Water Supply Regulations.

Emergency eye/face wash equipment installed to ANSI Z358.1 guidelines is typically required to deliver a minimum flow rate of 12 litres per minute for a continuous 15-minute flushing period. The MiniBREAK is capable of delivering flow rates of up to 24 litres per minute (0.4 l/s) depending on operating pressure, making it suitable for supplying ANSI-compliant eye/face wash equipment while also providing CAT5 backflow protection via its integrated Type AB air gap break tank arrangement. Final suitability should always be confirmed against the specific eyewash equipment requirements and installation conditions.

### Understanding CAT5 Backflow Protection

Fluid Category 5 represents the highest level of backflow risk under UK water regulations. It applies where water contamination could pose a serious risk to health due to chemicals, bacteria, industrial fluids or other hazardous substances.

In many industrial, laboratory and healthcare environments, emergency eyewash and safety shower systems may require CAT5 protection to prevent contaminated water from re-entering the mains supply.

The MiniBREAK MB1-38M-S achieves this protection through an integrated Type AB air gap, creating a physical separation between the incoming mains water and the boosted outlet supply.

This makes the unit ideal for commercial and industrial safety wash applications where regulatory compliance is essential.

### Suitable Applications

The is suitable for a wide range of CAT5 safety wash installations, including:

Emergency eyewash stations
Safety shower systems
Laboratory wash areas
Industrial wash-down systems
Healthcare and medical facilities
Dental rinse systems
Mortuary and abattoir environments
Veterinary and animal care facilities
Single hose wash stations

## Main Features & Benefits

**Purpose Designed for Safety Wash Equipment**

Developed specifically for emergency wash and eyewash installations requiring compliant CAT5 backflow protection.

**Compact Integrated Design**

The enclosed cabinet construction allows easy installation in restricted plant rooms, service cupboards and commercial environments.

**Type AB Air Gap Protection**

Provides recognised Fluid Category 5 protection to help safeguard the mains water supply against contamination.

**Automatic Pump Control**

The intelligent control system automatically activates the pump when demand is detected and shuts the unit down when flow stops.

**Low Water Pump Protection**

Integrated safety controls help protect the pump during operation and reduce the risk of damage.

**Built for Commercial Environments**

Featuring a robust construction and IP65-rated controller, the unit is suitable for industrial, healthcare and commercial applications.

## Performance Data

Flow Rate @ Operating Pressure

0.2 l/s @ 2.5 bar
0.3 l/s @ 1.8 bar
0.4 l/s @ 1.2 bar

Performance figures are based on published manufacturer duty data.

## Technical Specification

Model: MiniBreak
Number of Pumps: 1
Break Tank Capacity: 23 Litres
Usable Water Volume: 12.5 Litres
Power Rating: 0.37 kW
Input Current: 2.5A
Electrical Supply: Single Phase
Controller Rating: IP65
Noise Level: Below 70 LpA dB (+/-2)
Unit Weight: 20 kg
Cabinet Material: LDPE
Pump Construction: PPE & Brass
Pipework & Fittings: Copper, Brass & Stainless Steel

## Connections & Installation

Connection Type: Size
Mains Water Inlet: 1/2" BSP
Outlet Connection: 15mm Push Fit
Overflow Connection: 3/4" Push Fit Tank Connector

## Approximate Dimensions

Height: 660mm
Width: 500mm
Depth: 280mm
Recommended Service Access
Front Clearance: 500mm
Side Clearance: 200mm
Top Clearance: 500mm

The unit may be installed as either a wall-mounted or floor-mounted system depending on site requirements.

## Installation Guidance

CAT5 protection requirements can vary depending on the installation type, application and local water authority guidance.

We recommend that all CAT5 systems are specified and installed by suitably qualified professionals to ensure compliance with current UK regulations.

If you are unsure whether your emergency eyewash or safety shower installation requires CAT5 protection, our team can assist with product selection and compliance guidance.

## Delivery

Typically available from stock with delivery in approximately 3–5 working days.

**All pictures shown are for illustration purpose only and may be subject to change without notice. Actual product may vary due to product enhancement.
All dimensions shown are for guidance only and may be subject to change or alteration without notice. All items manufactured or purchased separately from a third party to fit our products should be checked against the actual dimensions of the physical product before purchase. We will not be liable for third party costs and consequential loss associated with the items not fitting third party components.**