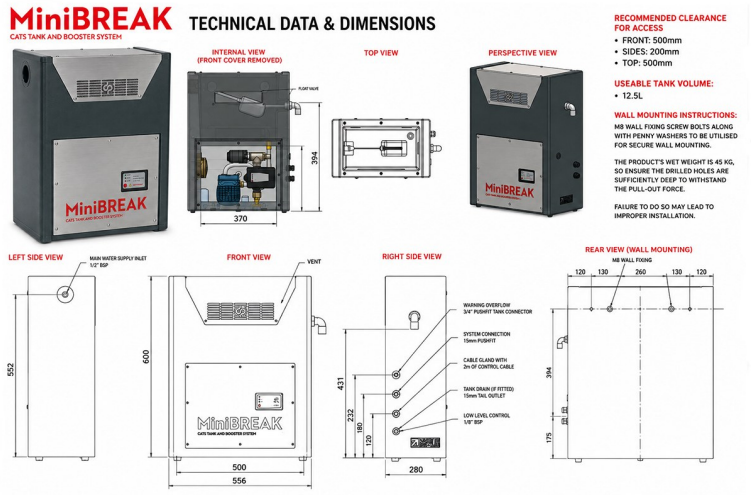
Washware Essentials
5 Brearley Court, Baird Road Waterwells Business Park Gloucester GL2 2AF
Phone: 01275 400456
Web: https://www.washwareessentials.co.uk
Email: enquiries@washwareessentials.co.uk

CAT5 Protection Unit for Safety Eyewash Equipment





Product Code: CAT5-EW

CAT5 Protection Unit for Safety Eyewash Equipment

Product Code: CAT5-EW

MiniBREAK Break Tank & Booster Set

Designed for emergency eyewash equipment installations, the MiniBREAK MB1-38M-S provides compliant Fluid Category 5 (CAT5) backflow protection where direct mains connection is not permitted.

This compact packaged break tank and booster system uses a Type AB air gap to help protect the potable water supply from contamination risks associated with eyewash stations, laboratory environments and industrial wash applications.

Supplied as a complete enclosed unit, the MiniBREAK is suitable for both wall and floor mounting and offers a simple solution for installations requiring CAT5 compliance under the Water Supply (Water Fittings) Regulations 1999.

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.

What is CAT5 Protection?

Fluid Category 5 is the highest level of backflow risk classification under UK water regulations. It applies where water could become contaminated by substances that present a serious health hazard, including chemicals, biological contaminants or industrial processes.

Emergency eyewash equipment can require CAT5 protection where there is a possibility of contaminated water flowing back into the mains water supply.

The MiniBREAK MB1-38M-S provides CAT5 protection by incorporating a Type AB air gap break tank arrangement, physically separating the incoming mains water from the boosted outlet supply.

This makes it suitable for a wide range of commercial and industrial safety wash applications where compliance with UK water regulations is required.

Typical Applications

The MiniBREAK MB1-38M-S is suitable for:

Emergency eyewash stations
Safety shower systems
Laboratory wash stations
Healthcare facilities
Industrial wash-down areas
Dental rinse equipment
Mortuaries and abattoirs
Animal care and zoo environments
Single hose wash applications

Key Benefits

Designed for Safety Wash Installations

Provides a practical CAT5 solution for eyewash and emergency wash equipment installations where backflow protection is required.

Compact Space-Saving Design

The enclosed cabinet design allows installation in plant rooms, service areas and commercial environments where space is limited.

Type AB Air Gap Protection

Helps safeguard the mains water supply using recognised Fluid Category 5 backflow protection methods.

Reliable Automatic Operation

The intelligent controller automatically starts the pump on pressure drop and stops the unit when flow ceases.

Built-In Pump Protection

Integrated low-water protection helps protect the pump during operation.

Suitable for Commercial Environments

The IP65-rated controller and robust construction make the system suitable for demanding industrial and healthcare settings.

Performance & Flow Rates

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

Typical performance figures are based on the manufacturer's published duty data.

Technical Specification

Specification	Details
Model	MiniBreak
Number Of Pumps	1
Break Tank Capacity	23 Litres
Useable Tank Volume	12.5 Litres
Power Rating	0.37 KW
Input Current	2.5A
Electrical Supply	Single Phase
Controller Protection Rating	IP65
Noise Level	70 LpA dB (+/-2)
Unit Weight	20 kg
Housing	LDPE
Pump Body	PPE and brass
Pipework & Fittings	Copper, brass & stainless steel

Connections & Installation

Connection	Details
Mains Water Inlet	1/2" BSP
System Outlet Connection	15mm Push Fit
Overflow Connection	3/4" push fit tank connector

Approximate unit dimensions:

- Height: 660mm
- Width: 500mm
- Depth: 280mm

Recommended service clearances:

- Front: 500mm
- Sides: 200mm
- Top: 500mm

The unit can be wall mounted or floor mounted depending on the installation requirements.

Important Installation Information

CAT5 requirements can vary depending on the application, installation layout and local water authority requirements.

We recommend that all CAT5 protection systems are specified and installed by suitably qualified professionals who can confirm compliance with current regulations.

If you are unsure whether your eyewash equipment requires CAT5 protection, our team can help advise on the correct solution.

Delivery Information

From stock usually 3 to 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.**