

“Midi-Break®” - Break Tank & Booster Set –

Model BTMIDI – Overview – Datasheet Page 1 of 2

Description

Midi-Break® – Wall-Mounted Break Tank & Pump Assembly (Fluid Category 5)

Wall-mounted, stainless steel unit with integral **Type AB** air gap (BS EN13077:2023 compliant), designed for **light industrial use** in frost-free environments.

Provides **backflow protection** and **cold water at a known outlet pressure**. For hot water, see *Ablution Plant – BTHW*.

Available in **three models** with varying flow rates (see graph). The **Midi-3A** offers enhanced features for commercial use (see *Codes & Descriptions*). For **higher flow** (e.g. multiple taps or hose guns), use **Boost-A-Break®** models (BTAB900, BTAB1200, BTAB3-10).

Pump features:

- **Quiet operation** (anti-vibration mounts, stainless braided hoses)
- **Automatic control** via pressure vessel, industrial switch & flow sensor
- **Soft start** for surge protection
- **Low level protection** via float switch (*models 2A & 3A only*)



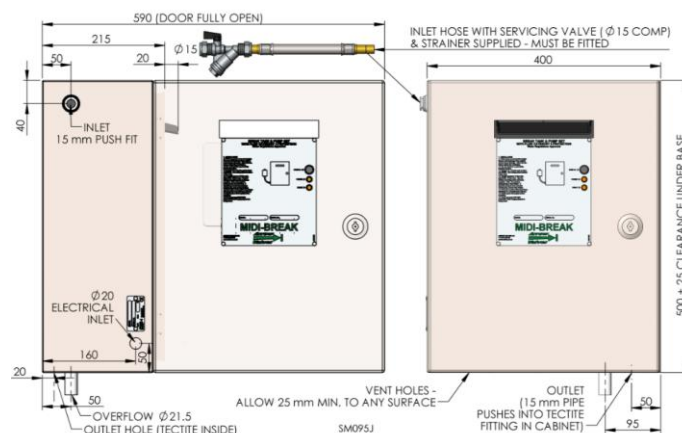
BTMIDI-3A
Stainless steel cabinet
provides neat &
tamperproof installation



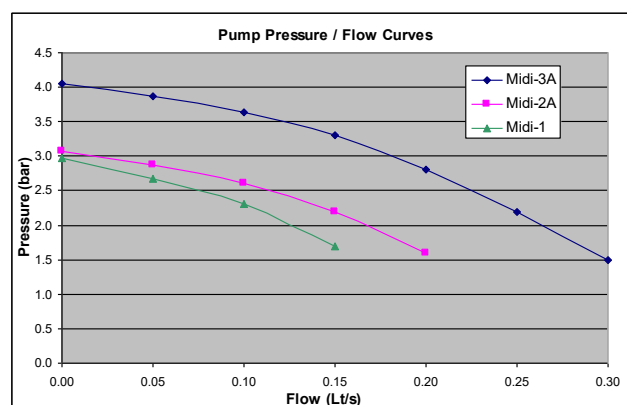
Water Regulations

The Regulations require point of use protection. It is not permissible to use the same Break Tank to serve a bedpan washer (Fluid Category 5) and dishwasher.

Dimensions



Pump Performance



Note – ½" hose gun generally requires 0.3 L/s

Codes and Descriptions

Code	Description
BTMIDI-1	Break Tank & Pump MIDI-1 AB 230 V With Quick-Fit Wall Bracket
BTMIDI-2A	Break Tank & Pump MIDI-2A 230V With Quick-Fit Wall Bracket
BTMIDI-3A	Break Tank & Pump MIDI-3A 230V With Quick-Fit Wall Bracket

Applications

The following are Fluid Category 5 examples see *Water Regulations (Table 6.1e)* -

- Waste bin washing – use *Midi-3A single tap only*
- Hose union tap – non-domestic – use *Midi-3A single tap*
- Wash-down – animals or any FC 5 – see “*Boost-A-Break®*”
- Sinks with hoses
- Bidets – ascending spray – see *Ablution Plant - BTHW*
- Vegetable washing
- Butchery & meat equipment / Slaughterhouse
- Laboratories
- Clothes & Dish washing machines – healthcare premises
- Instantaneous showers and heaters - care premises
- Applications deemed to be Category 5 by water company

Arrow Valves Ltd

Tel: 01442 823123 Fax: 01442 823234
www.arrowvalves.co.uk

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All unit-less dimensions in mm.
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“Midi-Break®” - Break Tank & Booster Set – Model BTMIDI – Options – Datasheet Page 2 of 2

Options

- BMS fault monitor (BTBMS3B) * - volt free with changeover. Activates fault lamp and BMS relay if tank water level is too high or low, or if there is a low pressure fault.
- Frost protection system (BTFPS2)*. Recommended for unheated areas such as bins stores. For external installations, specify BTFPS2 and Wall Cover.
- GRP Wall Cover (BTCAB4) - *Not possible with drip tray.*
- Drip Tray (BTDT3) - *Not possible with wall cover.*

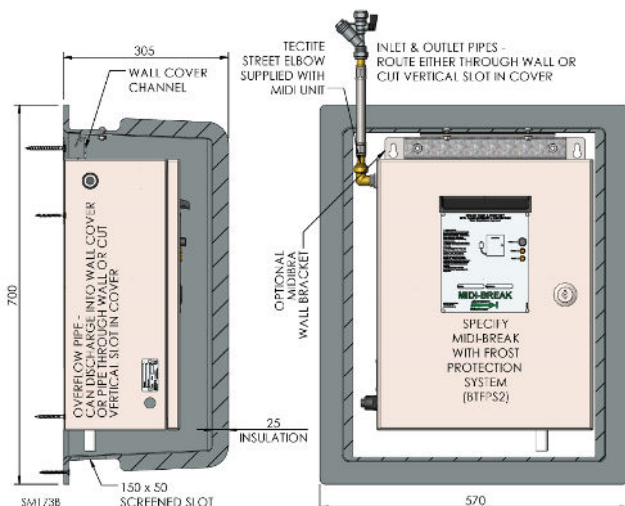
Code	Description	Compatible Models
BTBMS3B	BTMD/BTHW Alarm BMS – Volt Free	MIDI-2 and 3 only
BTFPS2	BTMIDI Frost Protection System	MIDI-2 and 3 only
BTCAB4	Wall Cover for Midi-Break	MIDI-1, 2 and 3
BTDT3	Drip Tray for Midi range Stainless	MIDI-1, 2 and 3

GRP Wall Cover

BTCAB4 – Insulated GRP Wall Cover, for use with the MIDIBRACKET Wall Mounting Bracket. The GRP colour is BS 00-A-05 (RAL equivalent is 7038). Integrated Frost Protection System (BTFPS2 – see below) can be added to the Wall Cover. Ideal for bin stores and external installations. Not suitable for use with the BTDT3 Drip Tray.



Dimensions



Frost Protection System

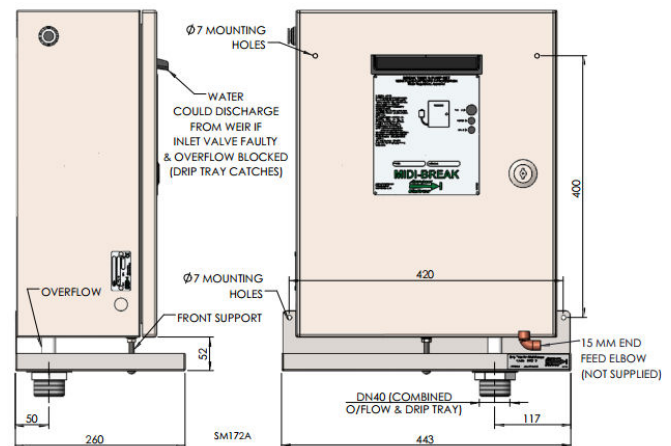
BTFPS2 - A thermostat attached to the control box will cause the pump to run against a closed head to generate heat.

Drip Tray

BTDT3 – Stainless steel 304 Drip Tray. Catches any water discharged through weir if inlet valve is faulty and overflow blocked. Not suitable for use with the BTCAB4 Wall Cover.



Dimensions



Note – the Drip Tray can be fitted in the shown position when using a 15 mm End Feed Elbow to bring the outlet pipe out between the Drip Tray and Cabinet. If this is not possible, we recommend fitting the Drip Tray as close as possible with a suitbale outlet.

Features and Benefits

The BTMIDI-3A is normally specified, featuring a reliable tank filling arrangement in place of a Torbeck float valve. The BTMIDI-2A could be considered for low flow rate applications.

Feature	BTMIDI-3A	BTMIDI-2A	BTMIDI-1
Power indicator neon	•	•	
Fault indicator neon	•	•	
Low tank level switch	•	•	
High output (0.3 Lt/s)	•		
Electronic & Solenoid filling	•		
BMS fault monitor – BTBMS3B	Optional	Optional	
Frost protection system	Optional	Optional	

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