

“Boost-A-Break®” - Break Tank & Booster Sets

Model BTAB — Fixed and Variable Speeds Overview — Datasheet Page 1 of 8

Overview

Break Tank assembly with Fluid Category 5 protection by virtue of the integral Type AB air gap. The unit is supplied as a complete package on a stainless base ready for installation.

The primary purpose is to provide backflow protection in accordance with the latest Water Regulations. The BTAB unit also boosts the water pressure for elevated areas or where a high flow rate is required – e.g. wash-down.

The cistern has a screened overflow and weir, making it suitable for unorthodox applications, which require a “Hygienic Type AB air gap” – e.g. butchery and vegetable preparation.

The unit is quiet by virtue of a centrifugal pump, anti-vibration rubber feet and flexible stainless braided connection hoses. There is a range of fixed and variable speed (inverter) pumps. The variable speed range has the compactness of the fixed speed range plus additional benefits – see page 3.

*For higher flow rates and variable speed pumps see page 3.
For domestic boosting use “Pent-A-Boost” model BTAF.*

Applications

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

- Waste bin washing
- Hose union taps – non-domestic
- Wash-down – animals or any Fluid Category 5
- Underground or surface irrigation – *see HUBG*
- Laboratories
- Baths in health care premises
- Showers health care – *see Care Shower*
- Sinks with hoses
- Bidets
- Bedpan washing
- Vegetable washing
- Butchery & meat equipment / Slaughterhouse
- Clothes washing machines – healthcare premises
- Dish washing machines – healthcare premises
- Applications deemed to be Category 5 by water company

Water Regulations

The assembly is fully Water Regulations approved & complies with the requirements of the Water Regulations when installed and used correctly. A Break Tank with a Type AB air gap provides protection against Fluid Category 5 risks - these risks are the highest level. “Boost-A-Break®” can therefore be used for all applications requiring backflow protection – *use “Pent-A-Boost” for drinking water.*

The Regulations require point of use protection. For example, it is not permissible to use the same Break Tank to serve a bedpan washer (Fluid Category 5) and a dishwasher. However several appliances of the same type can be served from the same Break Tank unit – e.g. irrigation network.

Specification

Pressure Supply min.	1.0 bar min. maintained (dynamic)
Pressure Supply max.	10 bar
Pressure Outlet	See flow graph – page 2
Pressure Gauge	63 dia. glycerine filled (except dual)
Vessel Capacity	24 Lt
Cistern Capacity	18 Lt (except 5 series)
(see Inlet Control)	24 Lt (5-4, 5-8, 5-10, 5-16)
Inlet Size	See “Inlet Control” table
Outlet Size	See “Outlet Pressure Control” table
Noise	<58 dBa @ 1 m
Temperature	30° max. ambient
Water Regulations	
Approval	1501308



*Model 1200
Fixed speed.
Stainless
screened slot,
drip tray, base,
and hoses. Only
675 mm high*

Registered UK Design 4036013



*Model 3-7
Variable speed.
Surge free,
quiet and
economical.
Height 775 mm.
Flow output up to
1.2 Lt/s*

Registered UK Design 4036010



*Model 3-10A
Dual Pump
Duty Assist.
Pumps alternate
daily to prevent
stagnation.
Flow output up
to 2.4 Lt/s*

Registered UK Design 4036012



*Optional Wall
Brackets.
Stainless steel tray
With galvanised
brackets code
BTBRA.
Second set can be
located underneath
on floor*

Materials

Base / drip tray / fasteners	Stainless steel 304
Pump (wetted parts)	Stainless steel 304
Pipes / fittings	Copper / Brass / Stainless
Cistern 18 Lt	Polypropylene
Cistern 24 Lt	Chamber - Stainless steel 304

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“Boost-A-Break®” – Break Tank & Booster Set

Model BTAB – Fixed Speed 700, 900, 1200, 4-2, 4-3, 4-4 - Datasheet Page 2 of 8

Description – Fixed Speed

There is a choice of six pump duties – see chart. The units are compact and the pump operation is automatically controlled. The initial cost of fixed speed pumps is less than the equivalent variable speed but fixed speed pumps generally consume more energy over a lifetime. For low use applications or where the demand is high and near constant, a fixed speed pump is adequate. The pumps are self priming.

The relatively large 24 litre pressure vessel allows about 5 litres of water to be supplied before the pump switches on.

Inlet Control

Fast and accurate level control is achieved with a solenoid valve. Electrodes provide on/off full flow control with 60 mm delayed action. The DN20 inlet is equivalent to ten ½” BS1212 HP float valves. DN25 is fitted as standard to high flow models - see table below – and optional on others – e.g. for low pressure supplies. Providing the following minimum dynamic supply pressure is maintained at the inlet, the cistern will not run dry even with an open outlet.

Model	Inlet Size	Minimum Dynamic Pressure	Pipe Velocity m/s
700, 900	DN20 female union	1.0 bar	3.7
1200, 4-2, 4-3, 4-4	DN25 female union	1.0 bar	2.8

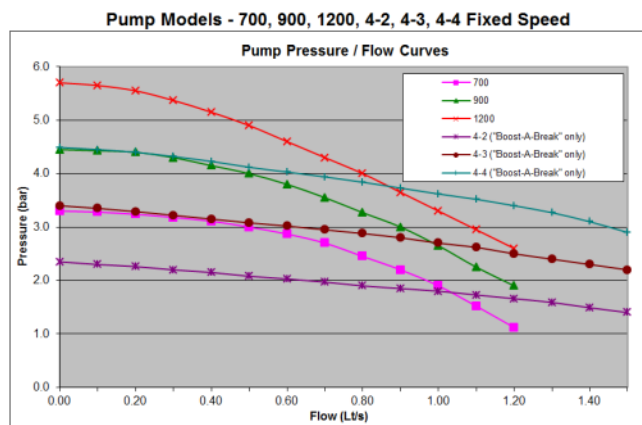
Outlet Pressure Control

The pressure switch is factory set according to the table below. To stabilise the outlet pressure, a factory fitted Pressure Regulating Valve (PRV) is optional – code BTPRV. Or use a variable speed pump – see page 3.

The outlet flow is automatically limited to 1.17 Lt/s or 1.5 Lt/s for the 4- series.

Model	Outlet Size	Pressure Switch on (min.)	Outlet with Optional PRV ¹	Pressure Max ² .	Vessel Pressure ³
700	DN20	2.0 bar	2.0 bar	3.3 bar	1.8 bar
900	DN20	3.0 bar	3.0 bar	4.5 bar	2.8 bar
1200	DN20	4.0 bar	3.0 bar	5.7 bar	3.8 bar
4-2	DN20	1.0 bar	1.0 bar	2.3 bar	0.8 bar
4-3	DN20	2.0 bar	2.0 bar	3.4 bar	1.8 bar
4-4	DN20	3.0 bar	3.0 bar	4.5 bar	2.8 bar

Notes - 1. Adjustable. 2. Without PRV 3. Vessel air pressure with zero water pressure.



Electrical Specification

Motor 2 – Pole 50 Hz IP54, 230 V (1ph) or 400 V (3ph) star

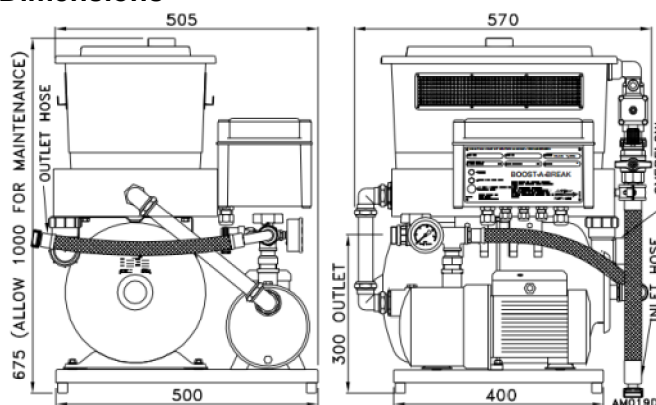
	1 phase			3 phase		Input max
Model	A (Run)	A (Start)		A (Run)		kW
700	3.0	9.8		1.4		0.65
900	4.2	13.8		1.6		0.90
1200	5.4	18.0		2.0		1.20
4-2	3.0	9.8		1.4		0.65
4-3	4.2	13.8		1.6		0.90
4-4	5.4	18.0		2.0		1.20

Class
Run-on Timer
BMS
Low level cut out

Class 1 (requires earth wire)
180 sec
Volt free SPDT for low level alarm
Stops pump via electrodes in tank
(Warning lamp on control box) –
auto reset once tank refilled
M20 hole in control box
IP65 (Enclosure) / IP54 (Pump)

Connection
Protection

Dimensions



Registered UK Design 4036013

Model BTAB 700, 900 & 1200			
Kg Dry	Kg Gross	Base Width	Base Depth
28 - 36	68 - 74	400	500

Connection Pipes

Flexible stainless braided hoses are supplied for the inlet and outlet. These have a female swivel nut (union) and a fibre washer. See Inlet Control and Outlet Pressure Control tables for size. A full bore inlet servicing valve – as required by the Regulations (G16.4) - is fitted upstream of the solenoid filling valve. The Overflow is 40 mm plastic with compression nut.

Codes and Descriptions – Fixed Speed

Inlet Size	Code	Description
DN20	BTAB700	Boost-A-Break® AB Gap 700 Fixed 230 V
DN20	BTAB900	Boost-A-Break® AB Gap 900 Fixed 230 V
DN25	BTAB1200	Boost-A-Break® AB Gap 1200 Fixed 230 V
DN25	BTAB4-2	Boost-A-Break® AB Gap 4-2 Fixed 230 V
DN25	BTAB4-3	Boost-A-Break® AB Gap 4-3 Fixed 230 V
DN25	BTAB4-4	Boost-A-Break® AB Gap 4-4 Fixed 230 V

Optional extras – see page 7 and 8

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“Boost-A-Break®” – Break Tank & Booster Set

Model BTAB – Variable Speed 3-5, 3-7, 3-10, 5-4, 5-8, 5-10, 5-16 - Datasheet Page 3 of 8

Description – Variable Speed

Variable speed pumps provide only the pressure required to meet demand making the unit economical and extending the life of the pump.

There is a choice of 7 variable speed pumps – see chart. The variable speed range has all the benefits of the fixed speed pumps plus -

- Higher flow rate – up to 2 Lt/s output (2.4 Lt/s Dual)
- Variable speed – speed changes to meet demand
- Quiet – especially at low demand
- Surge free – inverter pump avoids high current demand
- Constant supply pressure
- Electronically controlled automatic pump venting system

Inlet Control

Fast and accurate level control is achieved with solenoid valve(s). Level electrodes provide on/off full flow control with 60 mm delayed action. The DN32 inlet on the 5 series is equivalent to more than thirty ½” BS1212 HP float valves.

Model	Inlet Size	Minimum Dynamic Pressure	Pipe Velocity m/s
3-5, 3-7	DN20 female union	1.0 bar	3.7
3-10, 5-4	DN25 female union	1.0 bar	2.8
5-8, 5-10, 5-16	DN32 female union	1.0 bar	2.4

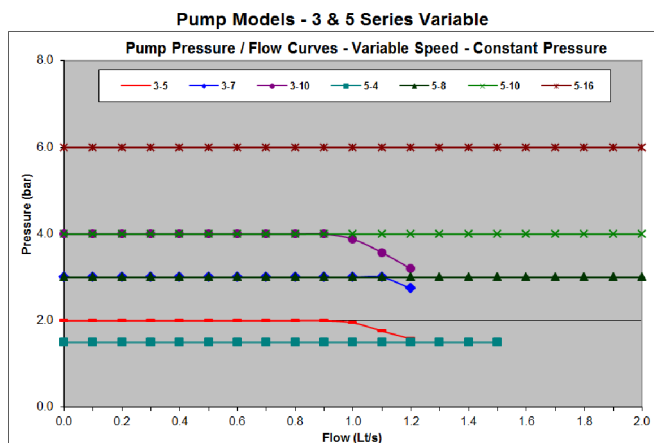
Outlet Pressure Control

The outlet pressure is controlled by a transducer, which is factory set to the “default set point” in the table below and controlled to within a 10% band. The outlet pressure is therefore constant up to the maximum duty of the pump.

Model	Outlet Size	Default Set point	Pressure Switch on (min.) ¹	Pressure Switch off (Max) ¹	Pressure Max ²	Vessel Air Pressure ³
3-5	DN20	2.0 bar	1.8 bar	2.2 bar	2.8 bar	1.4 bar
3-7	DN20	3.0 bar	2.7 bar	3.3 bar	4.6 bar	2.1 bar
3-10	DN25	4.0 bar	3.6 bar	4.4 bar	5.5 bar	2.8 bar
5-4	DN25	1.5 bar	1.4 bar	1.7 bar	2.8 bar	1.1 bar
5-8	DN32	3.0 bar	2.7 bar	3.3 bar	5.0 bar	2.1 bar
5-10	DN32	4.0 bar	3.6 bar	4.4 bar	7.0 bar	2.8 bar
5-16	DN32	6.0 bar	5.4 bar	6.6 bar	11.7 bar	4.2 bar

Notes - 1. Differential +/- 10% of set point. 2. If set to full speed. 3. Vessel air pressure with zero water pressure, 0.7 X set point.

The graph below illustrates the benefit of variable speed pumps. The outlet pressure is constant despite varying flow demand. Illustrated using “default set point”. The set point can be altered at the factory. On-site alterations require a commissioning service. 5-16 limited to 10 bar.



Electrical Specification

Motor 2-Pole 60Hz 230 V 1 ph (3 series & 5-4, 5-8)
415 V 3 ph (5-10, 5-16)

Model	1 phase A (Run)	3 phase A (Run)	Input max kW
3-5	4.2		0.55
3-7	5.5		0.75
3-10	7.5		1.10
5-4 (inverter)	7.5		1.10
5-8 (inverter)	7.5		1.50
5-10 (inverter)		3.7	2.20
5-16 (inverter)		5.0	3.00

Class BMS

Low level cut out

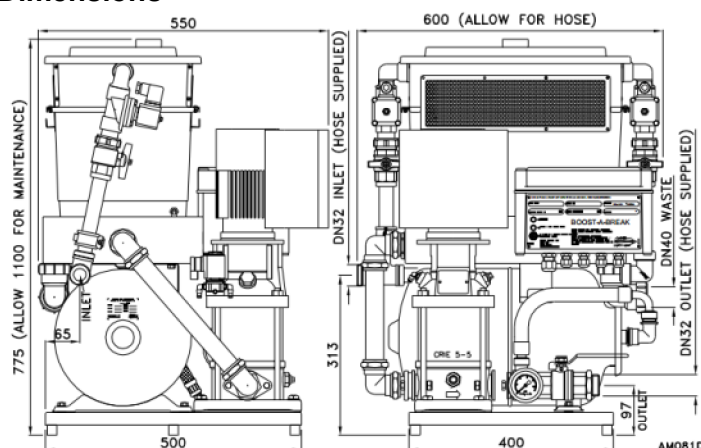
Protection Connection
1 phase
3 phase¹

Class 1 (requires earth wire)
Volt free SPDT relay general fault - pump / inverter / low level alarm
Stops pump via electrodes in tank (Warning lamp on control box) – auto reset once tank refilled
IP65 (Enclosure) / IP55 (Pump)

M20 1 phase + neutral + earth
M20 3 phases + neutral + earth

Note – 1. The control circuit is 230 V so a neutral supply is required

Dimensions



Registered UK Design 4036010

Model BTAB5-8 Shown (Dimensions apply to all Variable Speed units)

Kg Dry	Kg Gross	Base Width	Base Depth
46 - 85	86 - 125	400	500

Connection Pipes

Flexible stainless braided hoses are supplied for the inlet and outlet. These have a female swivel nut (union) and a fibre washer. See Inlet Control and Outlet Pressure Control tables for size. A full bore inlet servicing valve – as required by the Regulations (G16.4) - is fitted upstream of the solenoid filling valve. The Overflow is 40 mm plastic with compression nut.

Codes and Descriptions – Variable Speed

Inlet Size	Code	Description
DN20	BTAB3-5	Boost-A-Break® AB Gap 3-5 Variable 230 V
DN20	BTAB3-7	Boost-A-Break® AB Gap 3-7 Variable 230 V
DN25	BTAB3-10	Boost-A-Break® AB Gap 3-10 Variable 230 V
DN25	BTAB5-4	Boost-A-Break® AB Gap 5-4 Variable 230 V
DN32	BTAB5-8	Boost-A-Break® AB Gap 5-8 Variable 230 V
DN32	BTAB5-10	Boost-A-Break® AB Gap 5-10 Variable 415 V
DN32	BTAB5-16	Boost-A-Break® AB Gap 5-16 Variable 415 V

Optional extras – see page 7 and 8

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“Boost-A-Break®” – Break Tank & Booster Set

Model BTAB – Dual Pump - Duty Standby – Datasheet Page 4 of 8

Description – Dual Pump

Dual pump sets are available as Duty Standby or Duty Assist. Both pumps are variable speed and set to provide constant pressure. Remarkably, the foot print is the same as the single pump set yet the duty is up to 2.4 Lt/s. The parallel mounted pumps draw water from the integral ultra-fast filling tank.

Connection Pipes

Flexible stainless braided hoses are supplied for the inlet and outlet. These have a female swivel nut (union) and a fibre washer. See Codes and Descriptions and Outlet Pressure Control tables for size. A full bore inlet servicing valve – as required by the Regulations (G16.4) - is fitted upstream of the solenoid filling valve. The Overflow is 40 mm plastic with compression nut.

Electrical Specification

Class	Class 1 (requires earth wire)
BMS	Volt free SPDT relay general fault-pump / inverter / low level alarm Volt free SPDT for low level alarm
Low level cut out	Stops pump via electrodes in tank (Warning lamp on control box) – auto reset once tank refilled
Protection	IP65 (Enclosure) / IP55 (Pump)
Connection	
1 phase	M20 1 phase + neutral + earth

Duty Standby

Only one pump runs at any one time. The pumps alternate on a daily basis to avoid stagnation and ensure even use. A manual override switch “hand” allows either pump to be isolated and run only the healthy pump.

Motor

Voltage	230 V 1 phase
Protection	MCB in control box for each pump motors thermal protection (IEC 34-11: TP 211)

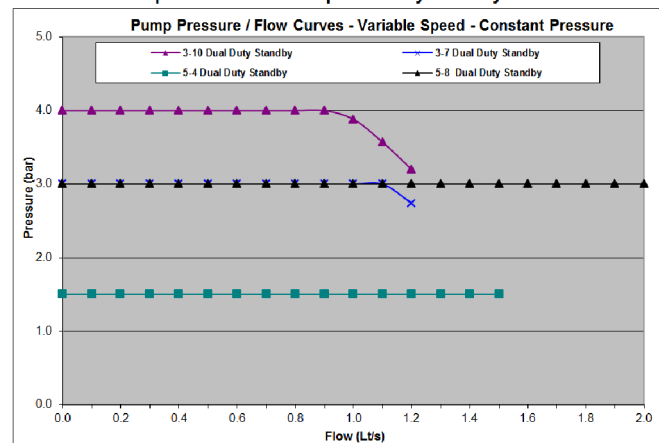
	1 phase		Input max
Model	A (Run)		kW
3-7S	5.5		0.55
3-10S	7.5		1.10
5-4S	7.5		1.10
5-8S	7.5		1.50

Outlet Pressure Control

Model	Outlet Size	Default Set point	Pressure Switch on (min.) ¹	Pressure Switch off (Max) ¹	Pressure Max ²	Vessel Air Pressure ³
3-7S	DN20	3.0 bar	2.7 bar	3.3 bar	4.6 bar	2.1 bar
3-10S	DN25	4.0 bar	3.6 bar	4.4 bar	5.5 bar	2.8 bar
5-4S	DN25	1.5 bar	1.4 bar	1.7 bar	2.8 bar	1.1 bar
5-8S	DN32	3.0 bar	2.7 bar	3.3 bar	5.0 bar	2.1 bar

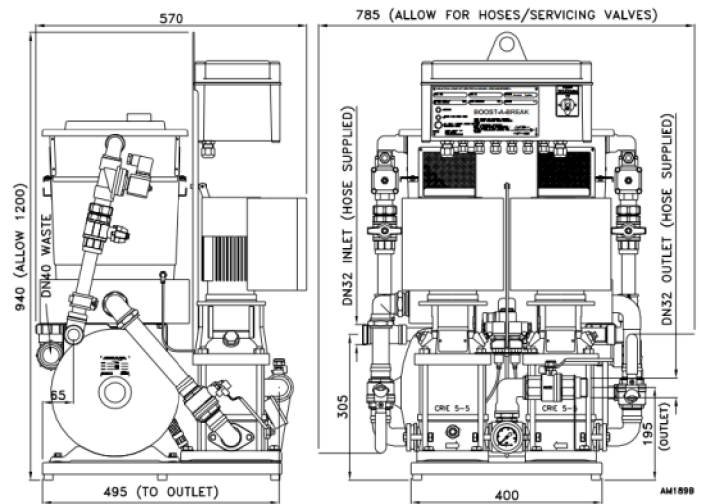
Notes -
1. Differential +/- 10% of set point. 2. If set to full speed.
3. Vessel air pressure with zero water pressure, 0.7 X set point.

Pump Model - Dual Pump Sets Duty Standby



Model 3-7S
Dual Pump
Duty Standby

Dimensions



Registered UK Design 4036011

Model BTAB5-8 Duty Standby Shown

Codes and Descriptions – Duty Standby

Inlet Size	Code	Description
DN20	BTAB3-7S	Boost-A-Break® 3-7 Duty Standby Vari 230 V
DN25	BTAB3-10S	Boost-A-Break® 3-10 Duty Standby Vari 230 V
DN25	BTAB5-4S	Boost-A-Break® 5-4 Duty Standby Vari 230 V
DN32	BTAB5-8S	Boost-A-Break® 5-8 Duty Standby Vari 230 V

Optional extras – see page 7 and 8

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“Boost-A-Break®” – Break Tank & Booster Set

Model BTAB – Dual Pump - Duty Assist – Datasheet Page 5 of 8

Duty Assist

Allows the second pump to automatically switch on when required, thus doubling the output. Alternate starting avoids stagnation and ensures even use. If one pump develops a fault, the controller isolates and continues with the healthy pump (the BMS fault relay activates together with panel lamps). Normal demand is often met with only one small pump running at optimum efficiency, offering substantial energy saving compared to one larger pump. Furthermore smaller pumps are quieter.

Model	Outlet Size	Default Set point	Pressure Switch on (min.) ¹	Pressure Switch off (Max) ¹	Pressure Max ²	Vessel Air Pressure ³
3-5A	DN32	2.0 bar	1.8 bar	2.2 bar	2.8 bar	1.4 bar
3-7A	DN32	3.0 bar	2.7 bar	3.3 bar	4.6 bar	2.1 bar
3-10A	DN32	4.0 bar	3.6 bar	4.4 bar	5.5 bar	2.8 bar

Notes -
 1. Differential +/- 10% of set point. 2. If set to full speed.
 3. Vessel air pressure with zero water pressure, 0.7 X set point.

Specification & Materials

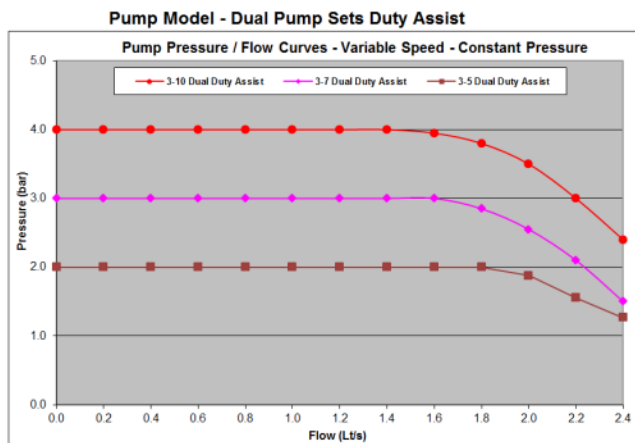
See page 1 and 4

Motor

Voltage 230 V 1 phase
 Protection MCB in control box for each pump

motors thermal protection (IEC 34-11: TP 211)

	1 phase	Input max
Model	A (Run)	kW
3-5A	8.4	1.10
3-7A	11.0	1.50
3-10A	15.0	2.20



Digital Controller

The controller includes a digital display with setting buttons and button lock to prevent tampering. Both pumps can be tested and disabled if necessary via the display. Controller features include pump changeover every 24 hours if continuous draw off causes one pump to run and pump pulse every 24 hours to avoid seizure. The user can also view the set pressure and when the pump was last started and stopped via the display.

Vessel Purge

The digital controller also features an automatic vessel purge facility for Legionella control. Every 24 hours the switch-on pressure is dropped below the vessel pre charge pressure, ensuring the entire contents of the vessel is emptied.

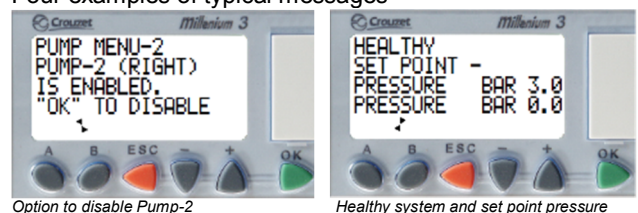
Information display messages include

- Healthy
- Pump-1 running
- Pump-2 running
- Last started
- Last stopped
- Pressure
- Set point pressure

Fault display messages include

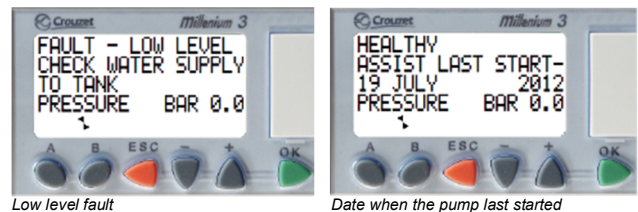
- Pump-1 fault
- Pump-2 fault
- Pump-1 disabled
- Pump-2 disabled
- Low-level fault
- High-level fault

Four examples of typical messages -



Option to disable Pump-2

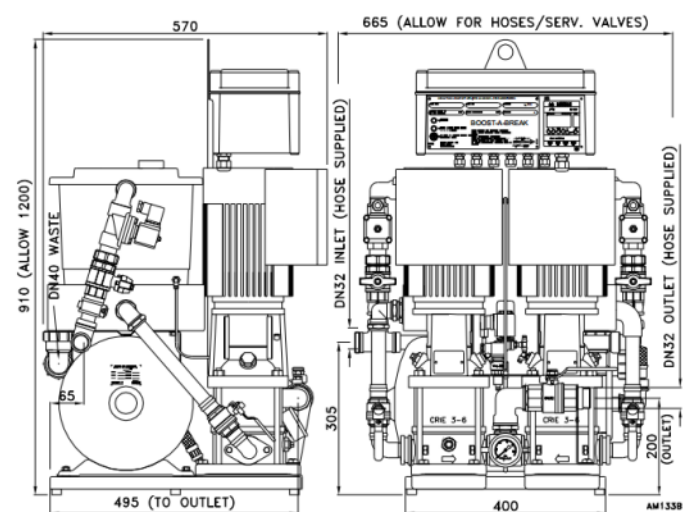
Healthy system and set point pressure



Low level fault

Date when the pump last started

Dimensions



Registered UK Design 4036012

Model BTAB3-7 Duty Assist Shown (Dimensions apply to all Duty Assist Units)

Codes and Descriptions – Duty Assist

Inlet Size	Code	Description
DN32	BTAB3-5A	Boost-A-Break® 3-5 Duty Assist Vari 230 V
DN32	BTAB3-7A	Boost-A-Break® 3-7 Duty Assist Vari 230 V
DN32	BTAB3-10A	Boost-A-Break® 3-10 Duty Assist Vari 230 V

Optional extras – see page 7 and 8

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“Boost-A-Break®” – Break Tank & Booster Set

Model BTAB – Dual Pump – 5-8 Duty Assist – Datasheet Page 6 of 8

5-8 Duty Assist

Remarkably high duty (up to 3.7 Lt/s) for the foot print of the unit, ideal for installing in locations where floor space is at a premium. The skid mounted base occupies less than 0.5m² of floor space and allows the unit to be easily and securely transported. The integral 100 litre GRP break tank is rapidly filled by a triple solenoid valve arrangement. Model 5-8A includes all of the benefits of other Variable Speed Duty Assist units – see pages 4 and 5.

Connection Pipes

DN40 flexible stainless braided hoses are supplied for the inlet and outlet. These have a female swivel nut (union) and a fibre washer. The DN40 inlet connection is reversible, allowing for left or right hand side configurations. A full bore inlet servicing valve – as required by the Regulations (G16.4) – is fitted upstream of each of the three solenoid filling valves. The Overflow is 50 mm plastic with compression nut.

Motor

Voltage 230 V 1 phase
Protection MCB in control box for each pump
motors thermal protection (IEC 34-11: TP 211)

	1 phase		Input max
Model	A (Run)		kW
5-8A	15.0		3.00

Inlet Control

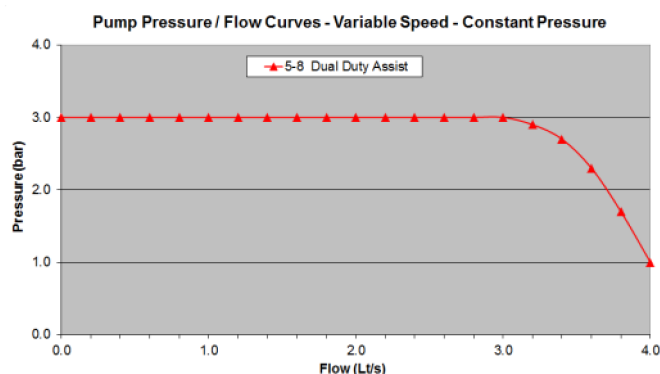
Fast and accurate level control is achieved with three solenoid valves. Level electrodes provide on/off full flow control with 60 mm delayed action.

Outlet Pressure Control

The outlet pressure is controlled by a transducer, which is factory set to 3 bar (the “default set point”) and controlled to within a 10% band – see table below. The outlet pressure is therefore constant up to the maximum duty of the pumps. The set point can be altered at the factory, on-site alterations require a commissioning service.

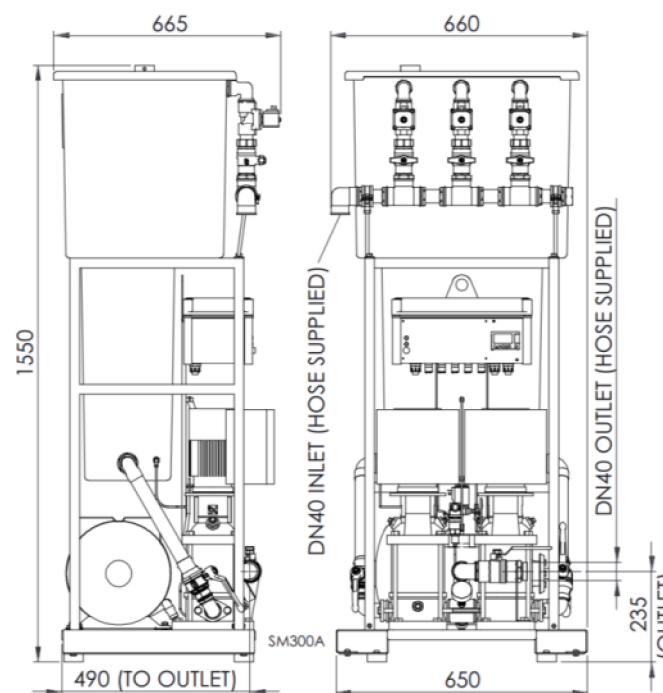
Model	Outlet Size	Default Set point	Pressure Switch on (min.) ¹	Pressure Switch off (Max) ¹	Pressure Max ²	Vessel Air Pressure ³
5-8A	DN40	3.0 bar	2.7 bar	3.3 bar	5.0 bar	2.1 bar

Notes -
1. Differential +/- 10% of set point. 2. If set to full speed.
3. Vessel air pressure with zero water pressure, 0.7 X set point.



Screened Weir Overflow in the rear of the Cistern provides Type AB Air Gap

Dimensions



Registered UK Design 4036009

Codes and Descriptions

Inlet Size	Code	Description
DN40	BTAB5-8A	Boost-A-Break® 5-8 Duty Assist Vari 230 V
Optional extras – see page 7 and 8		

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“Boost-A-Break®” - Break Tank & Booster Set

Model BTAB – Options – Datasheet Page 7 of 8

Options

- High level alarm relay (volt free) - recommended to minimise the risk of water damage.
- Pressure Regulating Valve (PRV) – constant outlet pressure – factory fitted – *fixed speed only*
- Wall Brackets – *not suitable for 5-10, 5-16 or duals*
- GRP Drip Trays – *all fixed speed and up to 3-7 single*
- GRP Wall Covers – *use wall brackets* – e.g. bin store
- GRP Enclosures – for exterior use
- 3 phase pumps – *standard on 5-10 and 5-16*
- Pulse timer – prevents pump sticking if infrequently used – *all except dual (already included)*.
- Additional vessel (accumulator) – reduces pump starts
- Wash down guns – industrial brass rubber coated

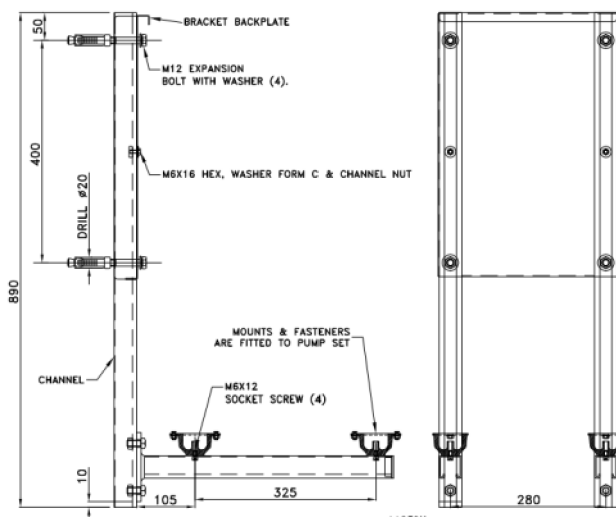
Suitability	Code	Description
Up to 5-8 single	BTBRA	Wall Bracket for Break Tanks AV Mounts
All except dual	BTPT	Pulse Timer - Infrequent Use/Anti Seize
All DN20	BT20-25	Upgrade from DN20 to DN25 Solenoid
All fixed speed	BT2-3	Upgrade to 3 phase pump
Up to 3-7 single	BTDT1	GRP Drip Tray c/w Float Switch (up to 3-7)
Up to 3-7 single	BTDT2	Controller & Additional Sol for Drip Tray
All fixed speed	EVUP100V	Exp. Vessel 10 bar Ø450X910 High Vert
All fixed speed	BTPRV	PRV for Fixed Speed Break Tank
Up to 3-10A	BTCAB1	Enc. 1150x1150x1050 GRP c/w Heating
Up to 5-8 Single	BTCAB2	Enc. 660x600x780 GRP c/w Frost Protection
Up to 5-8 Single	BTCAB3	BT Wall Cover 1035x735Wx610D
5-8A	BTDUALCAB	Enc. 1150x1150x2100 GRP c/w Heating
All except BTCAB1	BTFPS	BT Frost Protection System
Fixed Speed	BTBMS1	BT High alarm BMS –Fixed speed pumps
Variable Speed	BTBMS2	BT High alarm BMS – Variable speed pumps

Wall Brackets

BTBRA - Galvanised Steel Wall Mounting Brackets with Anti Vibration mounts. For use with all single pump Boost-A-Break® units, except for the BTAB5-10 and 5-16. Not suitable for dual pump units.



Dimensions

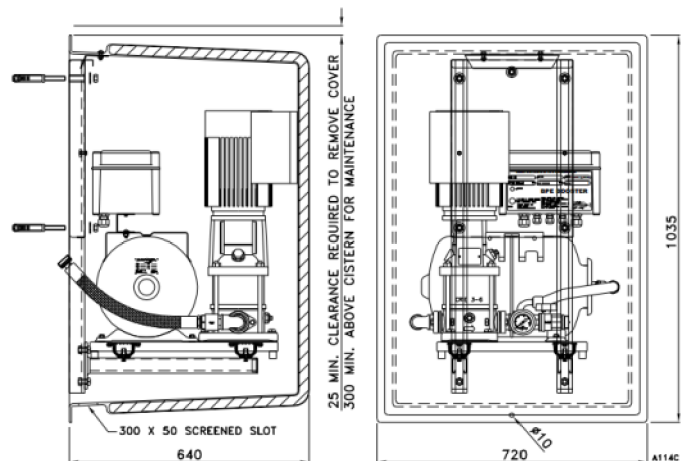


GRP Wall Cover

BTCAB3 – Insulated GRP Wall Cover, for use with the BTBRA Wall Mounting Brackets. The GRP colour is BS 00-A-05 (RAL equivalent is 7038). Integrated Frost Protection System (BTFPS – see BTCAB2 section below) can be added to the Wall Cover. Not suitable for dual pump units or the BTAB5-10 or 5-16.



Dimensions



GRP Enclosures

BTCAB2 – Lift Off GRP Enclosure for exterior use, supplied with a Padlock and Integrated Frost Protection System. A thermostat attached to the control box will cause the pump to run against a closed head to generate heat. The colour of the enclosure is RAL 6005, it is not suitable for dual pump units or the BTAB5-10 or 16.



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All unit-less dimensions in mm.

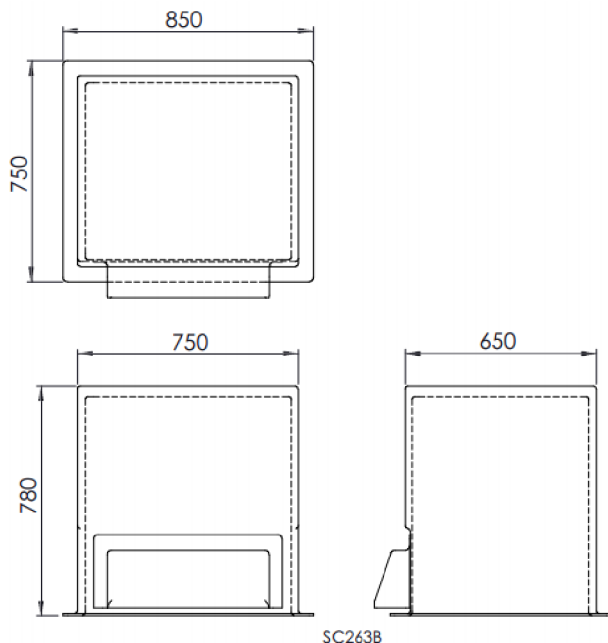
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“Boost-A-Break®” - Break Tank & Booster Set

Model BTAB – Options (Continued) – Datasheet Page 8 of 8

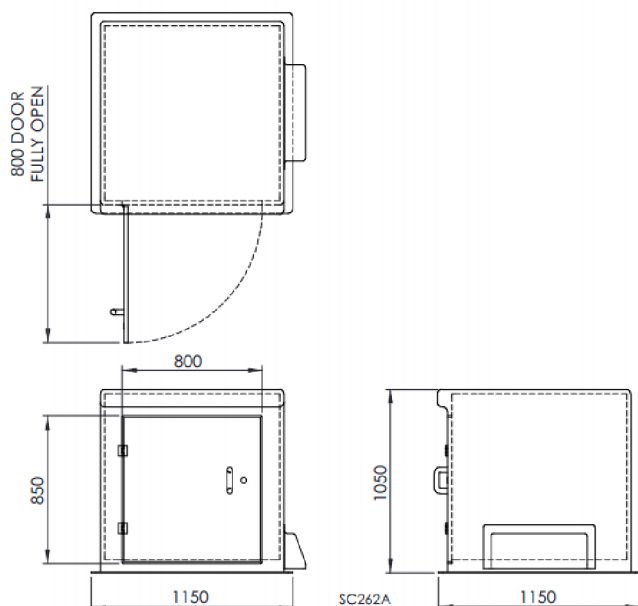
BTCAB2 Dimensions



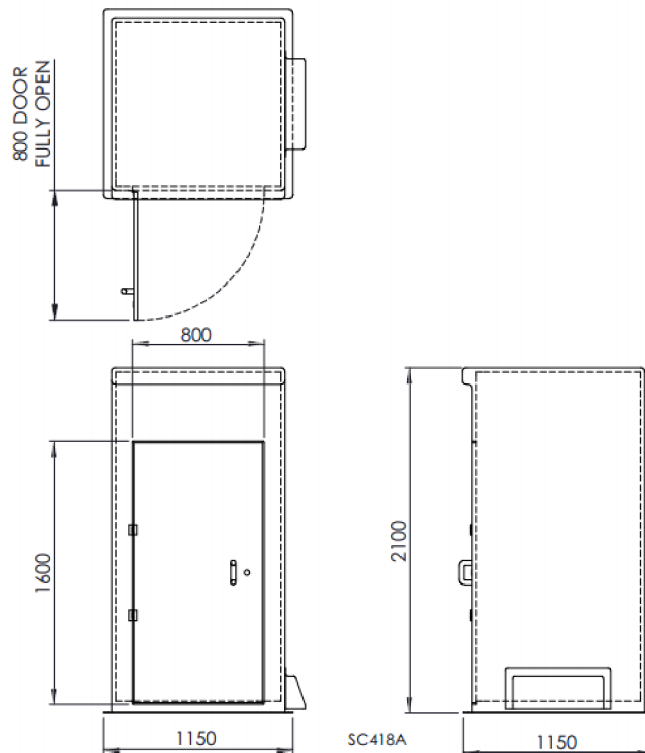
BTCAB1 – GRP Heated Enclosure with Kiosk Door, for external use of all Boost-A-Break® units (except for the BTAB5-8A). The housing has an integrated bar heater, complete with thermostat. The exterior colour of the enclosure is RAL6005.



Dimensions



BTDUALCAB – GRP Heated Enclosure with Kiosk Door, for external use with the BTAB5-8A. Taller version of the BTCAB1 with integrated bar heater, complete with thermostat.



GRP Drip Tray

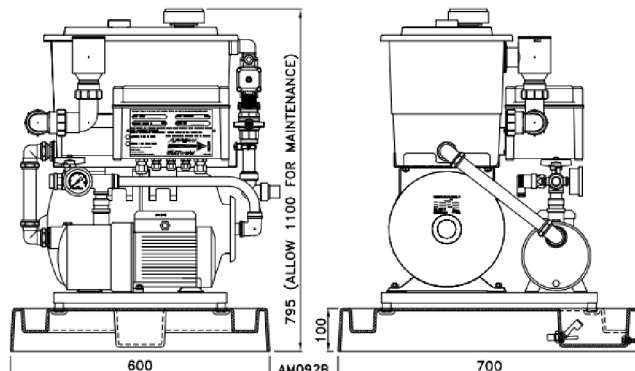
BTDT1 – GRP Drip Tray for use with single pump Boost-A-Break® units (up to the BTAB3-7), where it is impractical to fit an overflow.

BTDT2 – Additional isolating solenoid.



The whole pump set sits on top so any water leaking from the tank or pump is captured in the “moat” and runs into the well, activating the float switch and isolating the water supply, which stops the pump. The pump restarts pump once water is drained from the well.

Dimensions



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