



BREAK TANK BOOSTER TWIN PUMP

MODEL

BOSS 2NBB PP 50/50

Code: 80410242

INTEGRATED BREAK TANK AND TWIN BOOSTER PUMP SYSTEM

HEAD
UP TO
5 BAR

FLOW
UP TO
2.6 L/S

The New BOSS BoosterBox twin is a smart concept to provide a complete packaged solution for pressurising potable water in residential and light commercial applications. With dropping mains water pressure across the country, low water pressure within a building is a growing issue.

Our packaged solution includes two WRAS approved tanks complete with a Cat 5 type AB mains water connection, submerged silent running pumps, WRAS approved expansion vessel and energy efficient variable speed inverter controllers.



DURABILITY



Corrosion resistant materials & design

OPERATION



Energy efficient variable speed technology

CAPABILITY



Powerful performance

INSTALLATION



Ultra quiet operation noise



Pipeline & Heating Solutions

www.bssindustrial.co.uk

BOSS 2NBB PP 50/50

TECHNICAL SPECIFICATION



NBB TWIN INVERTER CONTROLLER



The BOSS Active Driver unit is a comprehensive device with integrated pressure sensor, a flow sensor and an electronic frequency converter (inverter). Energy technology listed product, eligible for ECA support.

The BOSS Active Driver regulates the rotation speed of the electric pump to provide and maintain a constant pressure in relation to the flow rate variation of the water. This highly energy efficient technology ensures that only the required amount of electricity is being consumed at all times. The water that flows through the Active Driver also helps to cool the internal electronic components. An 8 Litre WRAS approved expansion vessel is also supplied as standard, to help reduce system water hammer.

OPERATION / PROTECTION

- Twin pump duty rotation
- Duty/Standby or Duty/Assist optional
- The pumps will cut out under the following condition
- Dry running condition
- Pump over-current
- Low supply voltage
- Max pressure set point value exceeded
- Overheating of electronic components

DISPLAY FUNCTIONS

The BOSS Active Driver provides a digital operating display for:

- Operation - Run/Stop or Failure
- Pump operating frequency (HZ)
- Instantaneous pressure (Bar)
- Pump absorbed current (Amps)
- Operating alarms with history

EXTERNAL CONNECTIONS

- Remote Start/Stop
- Second Dry running protection (external)
- Second pressure set point duty
- Volt free contact for pump run & common fault

NBB TANK SPECIFICATION



Two high quality PE moulded twin tanks coupled together and designed for storing potable cold water.

FEATURES

- Potable water usage WRAS approved
- Full type AB airgap WRAS approved
- Screened weir overflow design
- 560 Litre tank overall capacity
- 440 Litre working capacity
- Tank designed to fit through a doorway
- Strong lightweight construction
- Approved category 5 water protection
- EN1717 compliant
- High quality mains water filling valve (Rated up to 10 Bar max pressure)

NBB PUMP SPECIFICATION



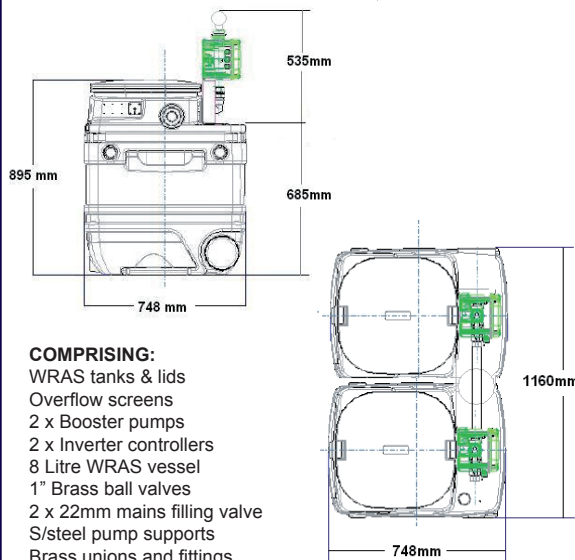
Two Pulsar PP50/50 submersible silent running multistage pumps. Pump body and shaft in AISI 304 stainless steel. Internal stages in abrasion-proof techno plastic. Double mechanical seal design. Ceramic/carbon (motor side) Silicon/carbide (pump side)

IP68 PROTECTION LEVEL
INSULATION CLASS F
HO7RNF CABLE

OPTIONAL PP 40/80
MODEL ALSO AVAILABLE



DIMENSIONS

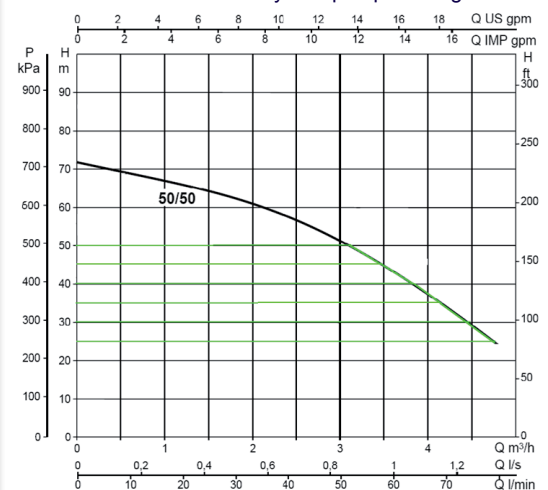


COMPRISING:

- WRAS tanks & lids
- Overflow screens
- 2 x Booster pumps
- 2 x Inverter controllers
- 8 Litre WRAS vessel
- 1" Brass ball valves
- 2 x 22mm mains filling valve
- S/steel pump supports
- Brass unions and fittings
- 1.5 Metres of mains cable

PERFORMANCE

Performance curve with only one pump running



DUTY PERFORMANCE

The system can maintain a constant pressure between 2.5 and 5 Bar



OPTIONAL EXTENSION
TANK KIT
Code: 80410231

AMS Pumps

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