



# BREAK TANK BOOSTER TWIN PUMP

MODEL

**BOSS 2NBB PP 40/80**

Code: 804\*\*\*\*

## INTEGRATED BREAK TANK AND TWIN BOOSTER PUMP SYSTEM

HEAD  
UP TO  
4.5 BAR

FLOW  
UP TO  
4 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



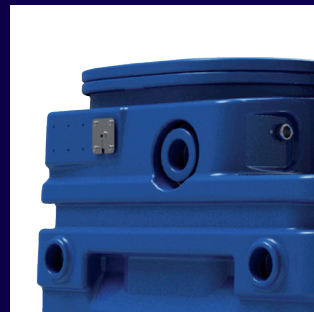
Energy efficient variable speed technology

### CAPABILITY



Powerful performance

### INSTALLATION



Ultra quiet operation noise



Pipeline & Heating Solutions

[www.bssindustrial.co.uk](http://www.bssindustrial.co.uk)



# BOSS 2NBB PP 40/80

## 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



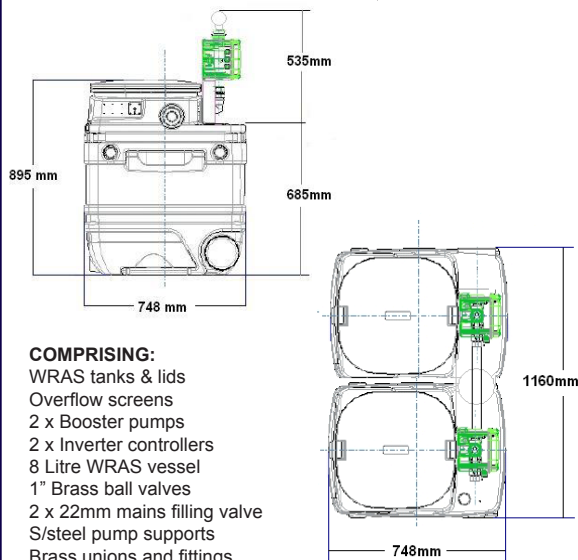
Two Pulsar PP40/80 submersible silent running multistage pumps. Pump body and shaft in AISI 304 stainless steel. Internal stages in abrasion-proof techno plastic. Double mechanical seal design. Ceramic/carbon (motor side) Silicon/carbide (pump side)

IP68 PROTECTION LEVEL  
INSULATION CLASS F  
HO7RNF CABLE

OPTIONAL PP 50/50  
MODEL ALSO AVAILABLE

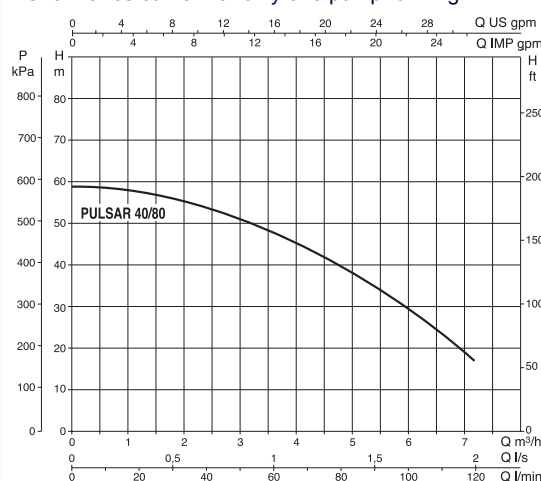


### DIMENSIONS



### PERFORMANCE

Performance curve with only one pump running



#### DUTY PERFORMANCE

The system can maintain a constant pressure between 2 Bar and 4.5 Bar

# AMS Pumps

**BSS** | Specialist in Pumping Systems

Tel:  
Email:  
Web:

0870 609 2101  
amsumps@bssgroup.com  
www.bssindustrial.co.uk

The information contained in this publication is believed to be correct and complete at the time of printing but it is an approximate guide only. Due to limitations in the printing process, images may not be representative of their true colours and colour variations may occur due to the natural origin of the products. Stock may vary from branch to branch and is subject to availability. All photographs are a guide only and do not necessarily represent the products available. BSS Industrial reserves the right to change product details and designs without prior notice. To the fullest extent permitted by law, BSS Industrial assumes no liability or responsibility for typographical and clerical errors and omissions in this publication (which may be corrected by us without liability) and this publication does not form the basis of any contract. All products sold are subject to our Group Sale Terms, a copy of which are available on request or are otherwise available at [www.bssindustrial.co.uk](http://www.bssindustrial.co.uk). Travis Perkins Group is the owner of the registered trademark BOSS.

Registered Office: Lodge Way House, Lodge Way, Harlestone Road, Northampton NN5 7UG