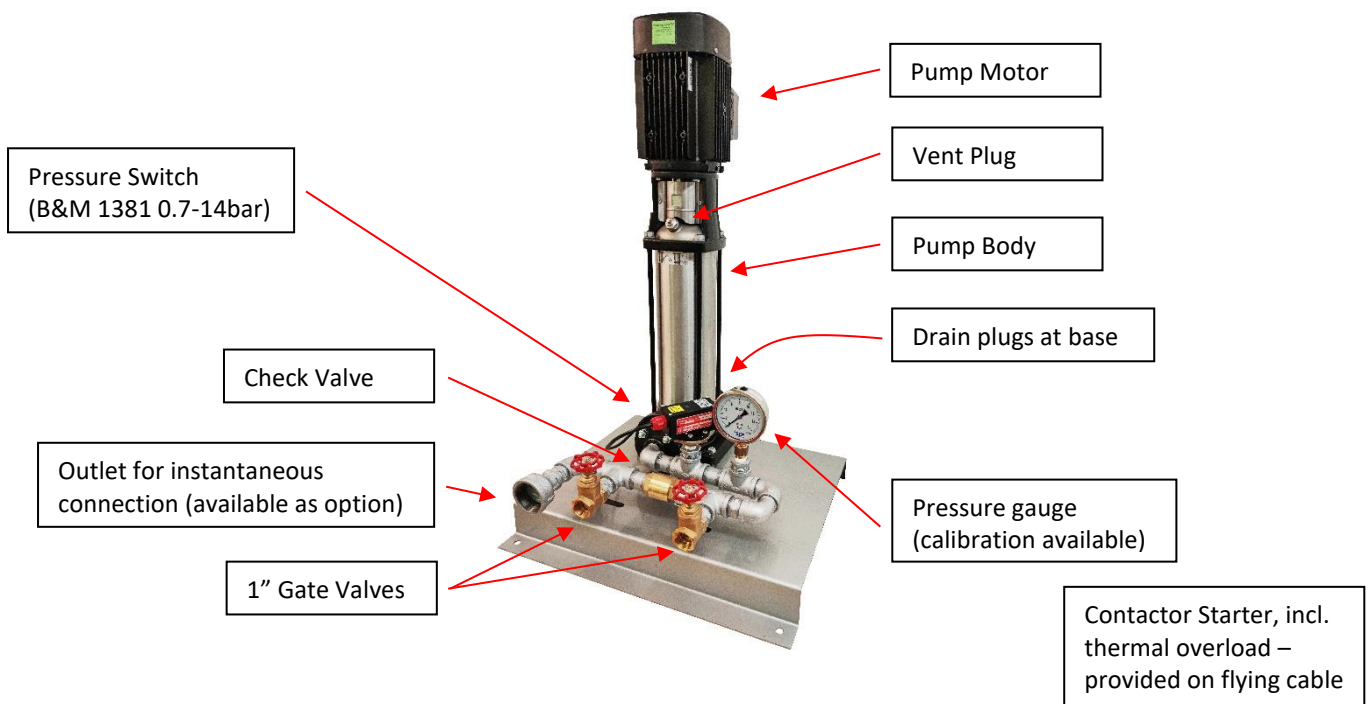


INSTALLATION & OPERATION INSTRUCTIONS

DRY RISER TEST PUMP



Please note; exact design/layout of outlet manifold may differ from that illustrated above

GENERAL DESCRIPTION

230VAC 1.1kW vertical multistage water pump designed specifically for the pressure testing of dry risers. A Bailey & Mackey 1381 pressure switch is provided on the manifold to ensure that the pump automatically maintains the required pressure, and the 16 bar gauge can be calibrated if required.

Hose outlets are not provided, but are available as an option. An inlet flange adaptor to 1" BSP is provided. IBC water containers, inlet pipework etc are not provided but are available as options. Power supply is not provided and is not something we offer.

*** SAFETY ***

THIS PUMP IS DESIGNED AND BUILT ONLY FOR TESTING DRY RISER SYSTEMS.

ELECTRICITY CAN BE DANGEROUS, AND POTENTIALLY LETHAL.

DO NOT INSTALL this product unless you are satisfied that you have the knowledge and experience to do so. If you are NOT SURE, ASK.

Take special care because this product is very heavy.

DO NOT OPERATE until you have read and understand the contents of these instructions AND the Grundfos pump instructions which are also supplied.

It is required that users employ safe working practices when using this equipment and your attention is drawn to the Health and Safety at Work Act 1974, the latest electrical and pressure equipment regulations and any other current, pending or future safety requirements.

This document must be kept with the product for reference purposes. An electronic version is also available to download from our website if further copies are required.

The following safety signs and symbols may be used:



Read instructions before use



Automatic control – may start without warning



Dangerous voltage may be present



Danger – contents may be under pressure



Surfaces may be hot



General safety information

INSTALLATION - MECHANICAL

Before you start, CHECK for any damage in transit and advise the sender immediately if this is the case.

CHECK the power supply required, and your power source is safe and appropriate for use.

1. Remove all packing materials. Take care to install and operate the product in a clean, dry and cool environment (ambient temperature 5-40°C).
2. Use the four mounting holes in the pump skid to securely bolt down the unit. Depending on your set-up, you may also wish to secure the top of the pump body to the side of the vehicle.
3. Before use, connect the pump inlet to your water supply. You must take measures to ensure that the water supply is clean – debris such as sand, grit and mud will cause damage to the pump and components.
4. You MUST also take measures to protect the pump from frost and ice. Failure to do so will invalidate any warranty given by us or Grundfos.

INSTALLATION - ELECTRICAL

5. This product **must** be wired into an appropriate safe power supply and protected by an appropriate circuit-breaking device, as per the requirements of the current version of BS EN 60204-1.
6. For electrical data, please refer to the product labels.
7. Connect to the supply in accordance with the enclosed wiring diagram, which is provided for information only – the power cable from the top of the contactor box is prepared for direct connection to your power supply. This power cable, or an equivalent of at least the same rating, must be used.
8. The unit MUST be earthed – failure to do so may lead to serious injury or death.

Dangerous, potentially lethal voltages are present within this equipment; therefore, care should be taken to ensure that all electrical connections remain firm and that cables do not wear, become subject to physical damage nor allowed to be in contact with excessive heat or vibration etc.

BEFORE YOU START THE PUMP

9. The pump **MUST** be primed and vented – refer to the Grundfos instruction manual.

TO START THE PUMP

10. Check all inlet and outlet connections.
11. Turn on unit, which should start automatically, with the pressure switch creating a circuit which initiates the contactor starter.

TO STOP THE PUMP

The pump should stop automatically once the set pressure is reached.

If not, or following the above, push the STOP button on the contactor enclosure and turn clockwise to lock.

In an EMERGENCY, use the STOP button on the contactor enclosure, or the electrical isolation switch that the compressor is wired into.

PRESSURE SWITCH ADJUSTMENT

The pressure switch is pre-set to 12 bar; however, on or prior to first use, you should validate that this setting is appropriate to your needs. Once you have read and understood the enclosed Bailey & Mackey pressure switch instructions, you may adjust the pressure switch to suit your requirements.

WARNING: DO NOT attempt to increase the pressure beyond the specified maximum, or decrease the pressure below the specified minimum.

SPARE PARTS

Only use genuine spare parts or service kits purchased from SEP or Grundfos. The use of non-genuine spare parts may affect the reliability and service life of the product and will invalidate the warranty.

In the event of any difficulty understanding these instructions, or operating the unit, contact your supplier or the manufacturer immediately.

Alternatively, please contact Sale Engineering Products: +44 161 428 1180 or info@saleengineering.co.uk

Sale Engineering Products Ltd
45 Lambeth Road
Reddish, Stockport
Greater Manchester, UK
SK5 6TW

T: +44 (0) 161 428 1180
E: info@saleengineering.co.uk
W: www.firesprinkler.co.uk



British Automatic Fire Sprinkler Association
bafsa

WIRING DIAGRAM

