

Our call off pump are designed to respond to a drop in pressure, such an occurrence happens when taps are opened or toilets are flushed etc.

Important points to note when setting up :

- All pumps are powered by either 110v or 240v supply (coloured yellow for 110v and coloured blue for 240v)
- All water fittings in and out of the water pump are 25mm unless specified otherwise.
- On demand pumps need to be protected from the elements and to be protecting from freezing conditions.
- There must be a good head of water into the pump from the bowser or tank for the pump to fulfil its potential.
- 110v pumps must not have an extension lead from the transformer of more than 10m, as the pump will not work due to voltage drop.

Feeding the pump:

- These pumps are designed to pump clean water only.
- Following pump installation, ensure pump is bled and all air is released to ensure a good flow of water.

Protecting the pump:

- These water pumps are IPX4 rated meaning they are splashproof but not water proof.
- If a pump is to freeze then ice will expand and break internal parts within the pump.
- Site are responsible to ensure the pump is safe and protected during your hire period.



Bleeding process :

When the pump is initially set up or the bowser supplying the pump has been run out of water it is likely the pump will require bleeding. This is a simple process just follow the steps below.

First, disconnect the power supply



Then check there is a good flow of water from the water tank to the pump you're trying to bleed.



Then using a 15mm wrench remove the bleeding nut as shown to the right, until water flows out continuously.



Then replace the nut and reconnect the power supply, hold the reset button for 10 seconds before heading to the nearest tap and check you having a flowing water supply.

Bleeding process continued :

- The pump should activate and refill the system once everything and pressure has built up the pump will stop until activated again by a drop in pressure (taps or flush etc.)
- Open a tap or valve after the pump has stopped to ensure it is working on demand as intended.

If the pump activates and stops continually, check the system for leaks including:

- Urinals with flush, these may flush every minute and may require isolating.
- Toilets cisterns, check one isn't overflowing into the toilet bowl.
- Pipe joints, the slightest drips can lead to pressure drop
- Pump fittings, check the pump itself for leaks that could have developed.
- Shower systems maybe running slightly.

On-demand Water Pumps in Sub Zero Temperatures

- Tardis on demand water pumps are not waterproof and therefore must be kept dry.
- On demand water pumps are not designed to run in sub zero temperatures or frost conditions.
- When temperatures drop to 1 degree Celsius, the pump must be taken out of service, failure to do so may result in avoidable damage.
- Switch it off, disconnect and move to a warmer location.
- If the pump does freeze it may result in damage and require an exchange resulting in possible charges and site will be without water whilst an exchange takes place.



Our pump protection boxes available now (this is not frost protection)

When on hire, the good running order of the equipment is your responsibility and so, if damage occurs you (the customer) would incur the charges.

If you intend to keep the electric pump outside we strongly recommend that you hire a pump protection box; to protect against the wet elements. However the pump protection box doesn't protect against freezing conditions. Please ensure you disconnect the pump and take indoors during freezing conditions.