

Water Pumps



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Water Borehole Pumps

Water boreholes are a feature of many rural properties that do not have access to “town” water. These boreholes, or water wells (a term imported from the Americans) lift water from aquifers situated below the surface.

Most domestic boreholes will be fitted with a 4” or 6” diameter pump (see picture of a typical pump below) however other sizes are sometimes used, especially on farms where the water usage can be very high.

You may have had a borehole drilled or your existing pump may have developed a fault or stopped working altogether. Springhill provide a wide range of pumps and we also can lift and replace existing pumps.

The depth of an average borehole is approximately 60 metres, but some can be as deep as 200 metres. The size of pump required will be dependent on many factors, including the depth of the hole. Pictured left is a typical borehole pump.

Installation Guidelines



Boreholes pumps are individually sized for each application and should take into the account the needs of filtration equipment and the purpose to which the water is being put.

Although there are no firm guidelines, many well drillers in the UK use flexible pipe as the riser for a well pump. A riser is the tube that connects to the pump and carries water to the surface. Sometimes galvanised or stainless steel are used as riser.. The choice of riser will influence the ease with which pump can be raised to the surface, either for replacement or repair. Pumps fitted on flexible risers tend to be easier, and cheaper to lift. Springhill can offer a “lift and repair / replace” service using specialised equipment.

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Booster pumps

Normally installed on spring or surface derived supplier, our wide range of booster pump sets are supplied complete with pressure vessel, pressure switch and are pre wired and assembled for delivery in the United Kingdom.

For more complex installations we can provide bespoke booster pumps or multiple combinations, for example duty and standby, standby or duty / assist. As part of the assembly, we supply manifolds, valve assemblies, pressure switches and control panels. These systems are pre wired for a quick and easy installation.



Pictured left is a typical private water supply booster pump complete with pressure vessel.

Installation Guidelines

Where space is at a premium we can supply pumps fitted into weatherproof chambers. We call this configuration a Pump Box and a typical set up is shown to the right of this text.



The picture above shows a SpringBox containing a household filtration system. The picture below shows the PumpBox where a booster pump is fitted inside the weather proof cabinet.

