SB & SBA
SUBMERSIBLE PRESSURE PUMPS
Water from rainwater tanks
The harvesting of rainwater involves filtration of roof run-off and subsequent storage for later use. The water is collected from the roofs of buildings and stored in rainwater tanks.

The collected and stored rainwater is ideal for:
- Garden watering
- Toilet flushing
- Washing machines
- Car washing

Water from private wells
Water from private well, typically supplies drinking water to areas that are not connected to the municipal water supply. Or serves as a supplement to traditional water supply and used for irrigation, flushing toilets, washing machines in private homes and weekend cottages.

Benefits of rainwater harvesting:
- Reduces the risk of flooding
- Less pressure on the sewer at peak loads.
- Saves up to 50% of drinking water
Use rainwater for purposes that do not require drinking water quality.
- Prolongs the life of appliances
Rainwater is soft water, which reduces lime scale build-up.

Domestic submersible pressure pumps
The Grundfos SB and SBA are submersible pressure pumps. They offer simple installation and reliable operation in domestic applications such as:
- Private wells
- Rain water tanks

SB - with external control
- Flexible selection – Pump + controller
- Complete control and monitoring
- Easily accessible controller – for service & replacement

SBA - with internal control
- Easy selection – one unit
- Easy installation – one unit
- Flexible installation – no controller inside the house
**PRODUCT OVERVIEW**

**SB**
The Grundfos SB is a submersible pump for the pumping of clean water. It is designed for use in domestic applications.

The pump itself is very silent, and when installed underground in a rainwater collecting tank or well, noise will never become an issue. The SB pump requires an external controller, like Pressure Manager, for automatic operation.

**SBA**
The new Grundfos SBA is a complete all-in-one unit. It is built on the proven SB platform, but comes with an integrated control unit – eliminating the need for an external pump controller.

With the new SBA, everything you need to guarantee reliable pumping of water is included.

**Built to your needs**
Many installers and home owners want simple but reliable pump solutions that require only a minimum of changes to the original installation.

The SBA is literally a plug- and pump solution. Once installed and connected to the piping, all you need to do is switch on the pump. The result is a reliable solution and greatly reduced installation costs.

**SB/SBA two main versions:**
All SB and SBA are available in the following configurations:
- With integrated suction strainer (1 mm mesh)
- Or with side inlet/flexible suction hose with floating suction strainer (1 mm mesh).

All variants are available with or without float switch
The float switch offers stop at low water level, ensuring that surface fragments do not enter the strainer.

**SB features and benefits:**

**Noiseless operation**
The SB pump emits no noise when submerged and is therefore a noiseless alternative to non-submersible pumps.

**High reliability**
The SB pump is built from composite and stainless-steel materials which are resistant to corrosion. Furthermore, the pump has a stainless-steel strainer which prevents large particles from entering the pump housing.

**Integrated protection**
The pump offers thermal overload protection.

**Floating suction strainer**
The model with floating suction strainer always draws the water from just below the water surface where the water is clean and free from solid particles.

**Especially for SBA:**
- Simplicity – all-in-one unit
- Easy installation
- No external control unit
- Integrated dry-running protection
- Automatic restart after dry-running
- Lifting eye

**EXTERNAL PRESSURE MANAGER**
The S8 requires an external control unit. Used in combination with a Grundfos Pressure Manager PM1 or PM2 placed above ground, users have easy access to all information and complete control over the application.

**Complete control**
The external Pressure Manager for SB pumps comes in two variants:
- PM1 for basic flexibility
- PM2 for all-round control

**PM1/PM2 Features and benefits:**

- Well-known Grundfos quality
- State-of-the-art product quality
- Robust materials and electronics

**Flexibility & adaptability**
- Fits all domestic water supply pumps
- Easy to adapt to different types of systems (PM2 only)
- Free positioning in installation
- Adjustable start pressure (PM2 only)
- Plug-and-pump operation

**High safety**
- Dry-running protection
- Cycling alarm

**Easy control & monitoring**
- Intuitive LED user interface
Unique user benefits

Noiseless operation
Submerged SB/SBA pumps are noiseless alternatives to non-submersible pumps.

Resistant to corrosion
Made from composite and stainless-steel materials.

No clogging
Stainless-steel strainer prevents large particles from entering the pump housing.

No defects in case of water shortage
The SBA features integrated dry-running protection. All pumps are available with float switches for low water stop.

Clean water
The floating suction strainer draws the water from just below the water surface where the water is clean and free from solid particles.

Loinger life
A Grundfos float switch prevents air from entering the system as a result of dry running.

Overheat protection
Built-in thermal protection immediately stops the pump if it overheats. The pump automatically restarts when it has returned to normal temperature.

Automatic restart
SBA with float switch automatically restarts when water is added. SBA without float switch will try to restart every 24 hours. SB with float switch will stop in case of low water. Restart is managed by the external controller.

Tourmaline Information

<table>
<thead>
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<th>Pump type</th>
<th>Max head/nominal flow</th>
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<tr>
<td>3-25</td>
<td>25 mWC / 3m3/h</td>
</tr>
<tr>
<td>3-35</td>
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<tr>
<td>3-45</td>
<td>45 mWC / 3m3/h</td>
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Technical data

<table>
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<tr>
<th>Max depth</th>
<th>Liquid temperature</th>
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<tr>
<td>10 m</td>
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Performance: SB & SBA (50 & 60 Hz)
Pumps for every purpose

In addition to submersible pump solution for installation inside rainwater-collecting tanks and wells, Grundfos offers a wide range of other solution – including dry installed pumps. These cover applications such as:

• Households
• Gardens
• Hobby activities
• Agriculture
• Horticulture
• Small industries

All Grundfos pump solutions come either as complete ready-to-install systems for monitoring and control of water distribution, or as custom solutions tailored specifically for your application.

To learn more and find your Grundfos solution please visit:
www.moderncomfort.grundfos.com