

KÄRCHER

makes a difference



BOOSTER PUMPS.

Efficient water supply for house and garden.

BOOSTER PUMPS FROM KÄRCHER: SIMPLY CLEVER!

The Kärcher booster pump range provides the ideal conditions for luscious plant growth and an efficient and convenient supply of service water for home and garden. The booster pumps allow you to access alternative water sources with optimum results (for example watering the garden or flushing the toilet). Multistage hydraulics ensure that Kärcher submersible pressure pumps can pump well water, groundwater, rainwater and spring water with the necessary pressure. The Kärcher barrel pump allows you to water your garden in an ecologically responsible way directly from your water barrel.





A RELIABLE RECLAIMED WATER SUPPLY.

A glance at the latest water bill will show that drinking water is becoming more and more expensive. So why not use low-cost water from alternative sources? Booster pumps from Kärcher offer the right solution for every purpose. Rainwater and groundwater are best used in the washing machine, for flushing the WC and for watering the garden. The result: a reliable processed water supply – and a good feeling.

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Use water sensibly

Home and garden pumps in the BP Home & Garden range are high powered and also offer great convenience: They are most suited to garden watering and the supply of water to WCs and washing machines in the home.

Deeply impressive

Thanks to Kärcher's compact and powerful stainless steel submersible pressure pumps, you can even use deeper water sources, such as cisterns and deep wells, conveniently and in a resource-friendly manner. The multistage hydraulics system ensures sufficient pressure.

THE PERFECT PUMPS FOR HOME AND GARDEN.

Whether it is in the house or in the garden – Kärcher's durable, intelligent and high-quality pumps are perfectly suited to supplying reclaimed water, such as rainwater. The pumps switch on automatically – and then off again – as required.



Comfort for home and garden

The pumps provide a reliable water supply for washing machines while also generating constant pressure for even garden watering.

Twice as practical

The 2-way connection adaptor allows you to use two water outlets, for example one for manual application with a spray gun and one for watering the lawn using sprinklers

BP 5 Home & Garden

- Perfect for Home & Garden
- Extra-long lifetime
- Multistage for improved energy efficiency (30% energy saving**) and noise levels



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* By registering at www.kaercher.com/guarantee, you can extend your guarantee to 5 years.

** In comparison with jet pumps, based on the volume of water pumped.

THE ALTERNATIVE WATER SUPPLY.

With tried-and-tested Kärcher quality, the powerful BP 5 Home and BP 3 Home supply water fully automatically from alternative sources such as wells or cisterns and make low-cost reclaimed water available for washing machines, toilet flushing, etc. Extremely practical: the BP Home models switch on and off automatically as required.



Efficient and convenient

Thanks to the integrated 24-litre pressure compensation container, our BP Home pumps are quiet and energy-saving, even when the flow rate is low.

Full control

The integrated manometer allows constant control of the pump's pressure condition. In this way, nothing is left to chance.

BP 5 Home

- Perfect for alternative service water supply in the household
- Maximum safety thanks to the integrated thermal protection
- Pressure compensation container for convenient use
- Includes non-return valve and G1 connection adaptor



POWERFUL PACKAGES THAT ARE EASY TO OPERATE.

The powerful Kärcher garden pumps are ideal for watering the garden using water storage facilities such as cisterns or water butts. The practical foot switch provides extra convenience. The thermal protection on the BP 4 Garden Pump protects against overheating whilst increasing both the safety and the operating life of the pump.



No need to bend over

Thanks to the large foot switch, the pump can be switched on and off in a way that is gentle on your back.

Ready to use

The BP 4 Garden Set complete with connectable vacuum-resistant spiral hose with suction filter and non-return valve.



BP 4 Garden Set

- Comfortable carry handle
- Optimised connection adaptor requires no tools for set-up
- Maximum safety thanks to the integrated thermal protection for a long operating life
- Direct use thanks to the 3/4" spiral hose supplied including filter and non-return valve (G1 connection thread, 3.5 m)



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UTILISING AND CONSERVING RESOURCES.

The innovative Kärcher barrel pump with an integrated on/off switch on the barrel mounting clamp makes it easy, efficient and economical to water your garden with soft and nutrient-rich rainwater. The benefits are clear to see: You no longer need to lift heavy watering cans. No consumption of valuable drinking water. No unnecessarily high water bills.



BP 1 Barrel

- 400 watt max.
- Pumping rate of 3,800 l/h max.
- Pressure 1.1 bar max.
- Suitable for any water butt due to flexible drum attachment
- Height can be adjusted individually
- Integrated on/off switch
- Detachable prefilter
- Easy to convert into submersible pump due to float switch



Focus Green Silber 2008



Innovative and convenient

The innovative water barrel mounting clamp and a length-adjustable hose ensure optimal manageability.

Practical and safe

On/off switch on the water barrel mounting clamp helps save energy because the pump does not run constantly. There is no need to plug in and unplug the pump.

HIGH PERFORMANCE AT GREAT DEPTHS.

Thanks to Kärcher's compact and versatile stainless steel submersible pressure pumps, by connecting a pressure switch you can use even deep wells for your processed water supply, in the house or for resource-conserving watering. The multistage hydraulics ensure that well water, groundwater and spring water can be pumped with sufficient pressure, even from low-lying areas.

BP 6 Deep Well

- Pump housing and threaded connector made from stainless steel.
- 3/4" and 1" hose connection piece including non-return valve and hose clamp
- Integrated spacer base to assist with installation
- Separate on/off switch at the end of the cable
- Includes 30 m power cable and fastening rope



Easy to use

The Deep Well Box provides overcurrent protection and is equipped with an on/off switch that is easy and safe to operate.

30 m maximum depth range

Thanks to its extra-long cable (30 m), the BP 6 Deep Well can pump water from even the lowest depths. Fastening rope included.

DEEPLY IMPRESSIVE IN THEIR POWER AND QUALITY.

The BP Cistern submersible pressure pump makes it possible to obtain water from alternative sources such as cisterns, water butts and wide well shafts and is ideally suited to garden watering. The pump works underwater and switches off automatically if the water level becomes too low.

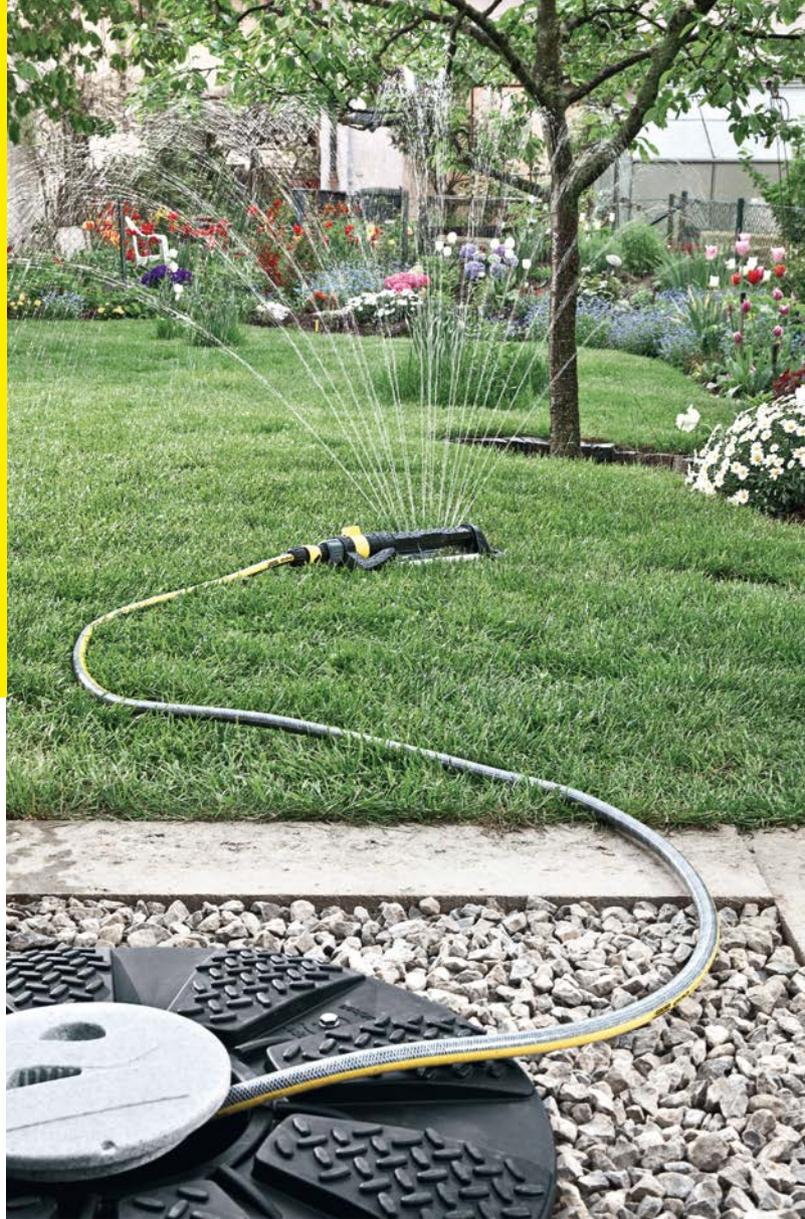


Safe and robust

Casing and threaded connector made from stainless steel ensure that Kärcher submersible pressure pumps are impact-resistant and durable.

Switching made easy

By means of the integrated float switch and its mounting on the handle, the switching level is easy to adjust as required.



BP 2 Cistern

- Max. flow rate 5,700 litres per hour
- Max. pressure 3.2 bar
- Pump housing and threaded connector made from stainless steel
- 3/4" and 1" hose connection piece including non-return valve and hose clamp for immediate connection



WELL EQUIPPED ALL AROUND WITH KÄRCHER.

With the right combination of accessories from Kärcher, pumps can be put into operation quickly and easily. Vacuum-resistant spiral hoses, suction kits, prefilters, adaptors, dry-run protection, electronic pressure switches – the comprehensive range of accessories ensures that each task in the house and garden can be optimally carried out. Water from alternative sources can be utilised in the most efficient and resource-conserving way possible.



Safe and fits perfectly

The vacuum-resistant spiral hoses for connecting to Kärcher pumps can be obtained as a set or cut to length for individual adaptation.



The best connections

Kärcher adapters and connectors make it possible to connect the hoses easily and securely to the respective pumps.



Optimal protection

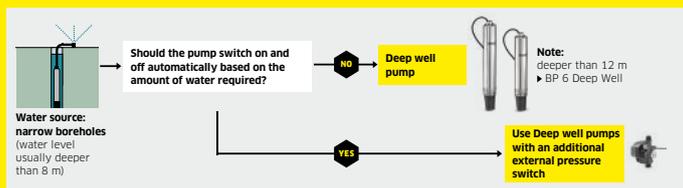
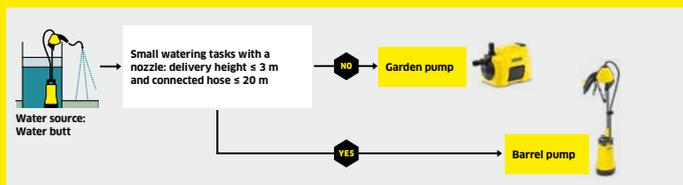
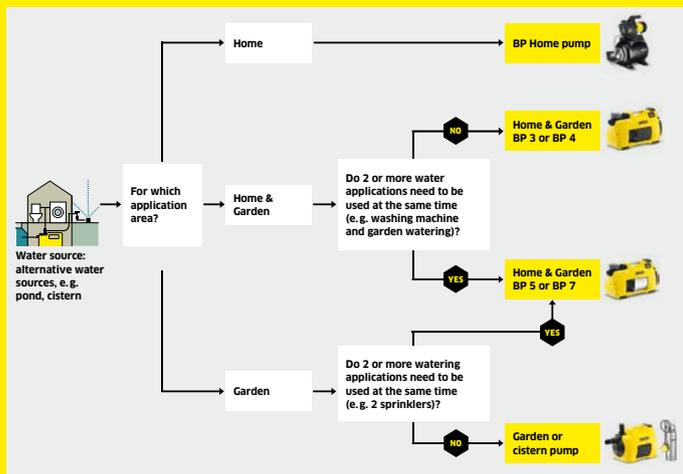
Filters protect the pumps from dirt and blockages while ensuring unlimited performance. Kärcher provides the right filter for every application.



Perfectly equipped

The right accessories from dry-run protection to the pressure compensation hose ensure convenience and reliability of use.

THE RIGHT PUMPS FOR YOUR REQUIREMENTS.



Note: an additional prefilter in the intake area is recommended for all Home & Garden, Garden and Home pumps wherever water contains a lot of sand!

BOOSTER PUMPS IN BRIEF

Home and garden pumps

Strengths:

- Easy device monitoring
- Permanent installation in the home possible (suction hose should be frost-free)
- Integrated automatic mode
- Efficient and low-noise (multistage pumps)
- Maintenance-free

Please note:

- Store device in a frost-free place
- In the case of high suction heights, the pump capacity is reduced
- Additional suction hose required (e.g. 6.997-350.0)

Domestic water supplies

Strengths:

- Easy device monitoring
- Permanent installation in the home possible (suction hose should be frost-free)
- Integrated automatic mode
- Pressure boiler reduces the start cycles (in case of leaks in the household water system)
- Efficient: removal of small water volumes possible without the pump starting

Please note:

- Store device in a frost-free place
- In the case of high suction heights, the pump capacity is reduced
- Additional suction hose required (e.g. 6.997-350.0)
- Air pressure in the membrane must be checked regularly
- Watering tasks only possible under certain conditions

Garden pumps

Strengths:

- Easy device monitoring
- Compact and lightweight pump
- Also available as a complete set

Please note:

- Store device in a frost-free place
- In the case of high suction heights, the pump capacity is reduced
- Additional suction hose required (e.g. 6.997-350.0)

Submersible pressure pumps

Strengths:

- Supply water from deep shafts
- Efficient and low-noise (multistage pumps)
- Self-venting - immediate suction
- Only one hose on the pressure side required
- Space-saving

Please note:

- Store device in a frost-free place
- A power cable must be laid
- Must be removed for filter cleaning
- An external pressure switch (6.997-357.0) is required for the automatic function (see Accessories)

Barrel pump

Strengths:

- Simple installation in a water butt
- Low-noise (since it is submerged in water)
- Self-venting - immediate suction
- Only one hose on the pressure side required

Please note:

- Store device in a frost-free place
- A power cable must be laid
- Must be removed for filter cleaning
- Only suitable for small watering tasks

PRACTICAL APPLICATION TIPS.



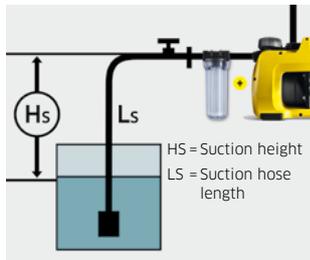
For parallel operation of multiple watering solutions, each device should be connected with the pump via a separate hose (parallel connection) in order to achieve optimum results. Or simply carry out the watering tasks one after another.



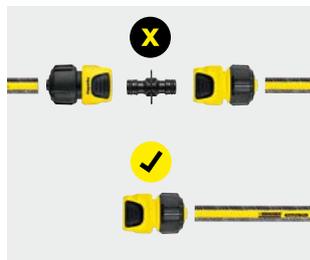
For water containing sand, we recommend using an additional prefilter.



For large flows, we recommend the Premium connector with an enlarged diameter.



Place the pump as close as possible to the water source. You will achieve optimal power when the suction height is as low as possible. In other words: a low suction height and a short, thick hose.



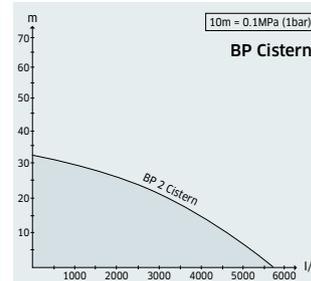
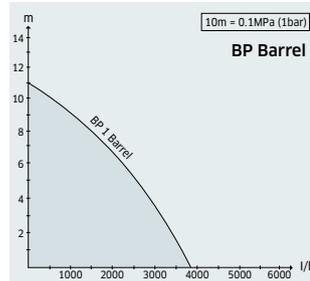
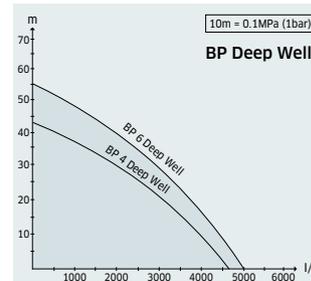
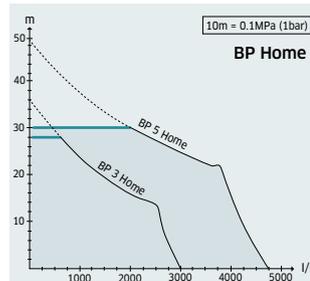
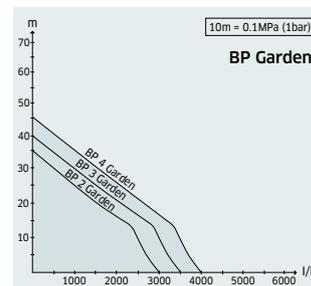
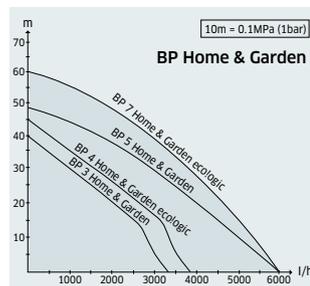
Ideally, you should use one continuous hose or as few connection pieces as possible. Too many connection pieces reduce flow and pressure, and as a result, full power will not be achieved during application via the nozzle, sprinkler, etc.

PLEASE NOTE!

- The thicker and shorter the pressure hose, the lower the pressure loss. We recommend a 3/4" hose, since it has a diameter which is twice as large as a 1/2" hose.
- The thicker and shorter the suction hose, the lower the suction loss.

FINDING THE RIGHT PUMP.

The pump curves in the diagrams show the relationship between flow rate (horizontal axis) and delivery height (vertical axis). The flow rate varies according to the delivery height (height difference between water level and hose end/water outlet). In principle: the flow rate falls as the delivery height increases. The pump curves are based on theoretically calculated values which are highly dependent on the length and diameter of the hose used or of the pipework.



APPLICATION AREAS

Applications	Booster pumps (BPs)												
	Home and garden pumps				Domestic water supplies		Garden pumps			Barrel pump	Deep well pumps		Cistern pump
	BP 7 Home & Garden ecologic	BP 5 Home & Garden	BP 4 Home & Garden ecologic	BP 3 Home & Garden	BP 5 Home	BP 3 Home	BP 4 Garden Set	BP 3 Garden	BP 2 Garden	BP 1 Barrel	BP 6 Deep Well	BP 4 Deep Well	BP 2 Cistern
Pump is underwater										■	■	■	■
Pump is kept dry	■	■	■	■	■	■	■	■	■				
Fixed installation possible	■	■	■	■	■	■					■	■	■
Water removal: Pumping from and circulating from													
Pond / swimming pool													
Flooding													
Small excavation (max. 100 m³)													
Washing machine leaks / groundwater ingress													
Pool													
Drainage shaft													
Water source													
Min. 150 mm well / borehole											■	■	
Min. 180 mm well / borehole											■	■	■
Water butt	■	■	■	■	■	■	■	■	■	■			■
Cistern / tank	■	■	■	■	■	■	■	■	■				■
Water usage													
Washing machine	■	■	■	■	■	■					■*	■*	■*
Toilet	■	■	■	■	■	■					■*	■*	■*
Garden watering and cleaning work	■	■	■	■			■	■	■	■	■	■	■
None of our pumps are suitable for continuous circulation, continuous pump operation or for drinking water use.													

* Only usable for this application with a pressure switch (6.997-357.0).

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