

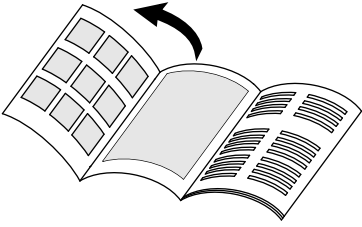
SCP 12000 IQ Level Sensor
SDP 14000 IQ Level Sensor

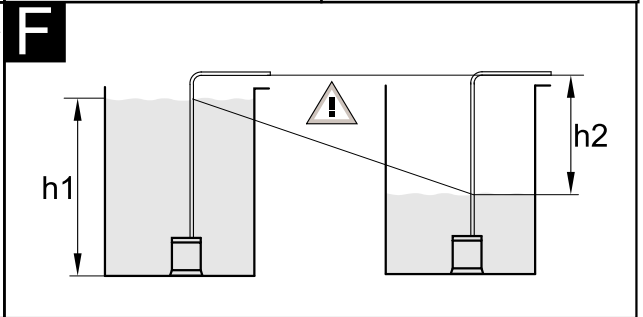
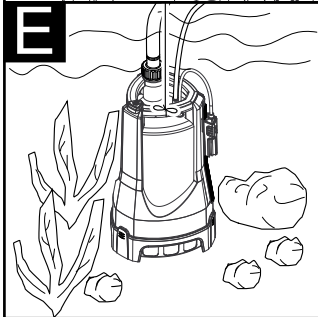
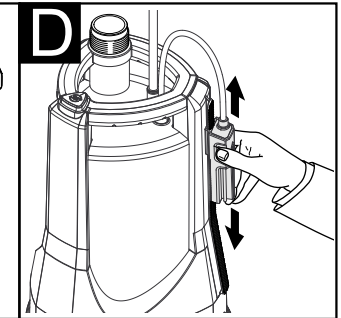
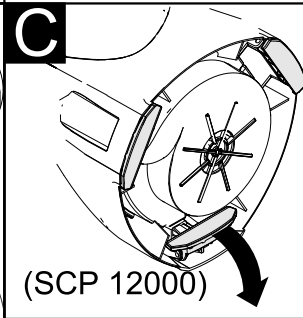
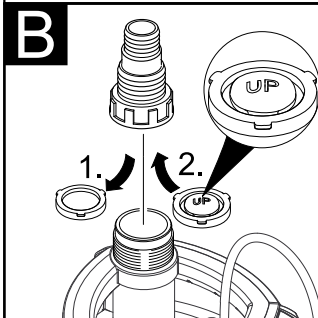
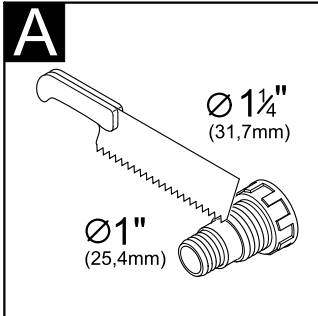
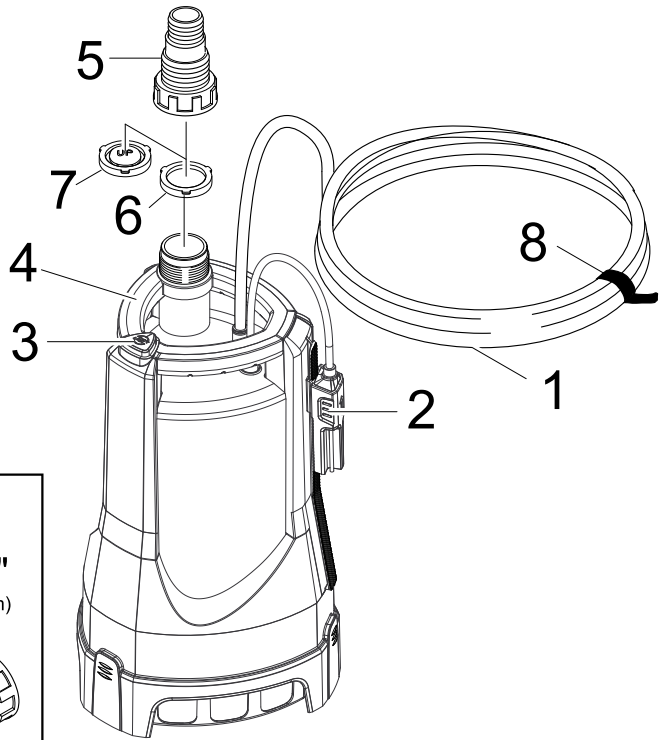


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6.997-346.0



6.997-353.0



6.997-418.0



6.997-419.0

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General notes

Dear Customer,



Please read and comply with these original instructions prior to the initial operation of your appliance and store them for later use or subsequent owners.

Please keep in mind that the label "100% tested" may not be removed from the pump. If the label is removed, there will be no more warranty for the tightness of the pump.

Proper use

This appliance has been designed for use in private households and is not intended for commercial use.

The manufacturer is not responsible for any damages that may occur on account of improper use or wrong operations.

The appliance is to be mainly used for removing water from flooded areas but also for repumping or pumping out containers, for removing water from wells and shafts as well for removing water from boats and yachts, as long as it is fresh water.

Approved fluids that can be drained:

SCP 12000 (clear water pump)

- Water with a impurities up to a maximum grain size of 5mm
- Water from swimming pool (provided the dosing of additives is proper)
- Washing lye

SDP 14000 (Dirty water pump)

- Water with a impurities up to a maximum grain size of 25mm
- all transportable fluids of the SCP 12000 pump

Warning

Caustic, slightly inflammable and other explosive substances such as petrol, petroleum, diluted nitrogen, greases, oils, salt water and waste water from toilets as well as sludgy water that has a slower flow capacity than water, should not be transported using the pump. The temperature of the transported fluids should not exceed 35°C. The appliance is not suitable for continuous pump operation or as a stationary installations (such as a lifting device, fountain pump).

Environmental protection



The packaging material can be recycled. Please do not place the packaging into the ordinary refuse for disposal, but arrange for the proper recycling.



Old appliances contain valuable materials that can be recycled. Please arrange for the proper recycling of old appliances. Please dispose your old appliances using appropriate collection systems.

Notes about the ingredients (REACH)

You will find current information about the ingredients at:

www.kaercher.com/REACH

Warranty

The warranty terms published by the relevant sales company are applicable in each country. We will repair potential failures of your appliance within the warranty period free of charge, provided that such failure is caused by faulty material or defects in manufacturing. In the event of a warranty claim please contact your dealer or the nearest authorized Customer Service centre. Please submit the proof of purchase.

Symbols in the operating instructions

Danger

Immediate danger that can cause severe injury or even death.

Warning

Possible hazardous situation that could lead to severe injury or even death.

Caution

Possible hazardous situation that could lead to mild injury to persons or damage to property.

Safety instructions

Danger of death

Violating these safety instructions may result in death through electrocution.

- Check the power cord with mains plug for damage before every use. If the power cord is damaged, please arrange immediately for the exchange by an authorized customer service or a skilled electrician.
- All electrical sockets should be fixed in an area that is protected against floods.
- Unsuitable extension cables can be hazardous. Only use extension cables outdoors which have been approved for this purpose and labelled with a sufficient cable cross-section.

The plug and coupling of the extension cable used must be spray watertight.

- Do not use the mains cable or the cable of the level sensor to transport or fasten the appliance.

- To separate the machine from the mains, pull the plug and not the power cord.
- Do not scrape the power cord across sharp edges and ensure that it does not get pressed.
- The voltage indicated on the type plate must correspond to the voltage of the electrical source.
- To avoid risks, all repairs and replacement of spare parts may only be carried out by the authorised customer service personnel.
- Follow the rules for electrical safety of equipment:

Immersion pumps should be operated in swimming pools, garden ponds and fountains only using a earth-leakage circuit breaker with a nominal leakage current of max. 30 mA. Do not operate the pump if there are persons located in the swimming pool or the garden pond.

For safety reasons, we recommend that you operate the appliance only via a earth-leakage circuit breaker (max. 30 mA).

The electrical connection of the system may only be performed by a qualified electrician. Please follow the respective national regulations!

In Austria pumps to be used in swimming pools and garden ponds should be equipped with a fixed connection line according to ÖVE B/EN 60555 Part 1 to 3; power supply should be via a ÖVE-tested isolating transformer whereby the secondary nominal voltage should not exceed 230V.

- This device is not intended for use by persons (including children) with reduced physical, sensory or mental abilities or lacking experience and/or knowledge, unless they are supervised by a person responsible for their safety or are instructed by these persons on the use of the device. Children should be supervised, to ensure that they do not play with the device.

Prerequisites for the appliance's stability

Caution

Create stability for the appliance prior to all work on or with the appliance to prevent accidents or damage.

- The stability of the appliance is warranted when it is placed onto an even surface.

Operation

Description of the Appliance

- 1 Power cord with plug
- 2 Level switch (IQ Level Sensor)
- 3 Ventilation button
- 4 Carrying handle
- 5 Hose connection 1" (25.4 mm) und 1 $\frac{1}{4}$ " (31.7 mm)
- 6 Flat seal
- 7 Backflow valve
- 8 Cable connector

Preparing the Appliance

Please follow the safety instructions before start-up!

Illustration A

- For a 1 $\frac{1}{4}$ " (31.7 mm) hose, the hose connection must be sawed off first.

Illustration B

- Place the flat seal into the hose connection piece.

If you would like to prevent the water that is standing in the hose or above the pump after the pump has been turned off, we recommend that you use the included backflow valve. Before inserting the backflow valve, the flat seal must be removed. Pay attention to correct positioning.

- Screw the hose connection on to the pump
- Push the hose on the hose connection and fasten it with appropriate hose clip

Note:

The larger the hose diameter and the shorter the hose, the higher the feed rate.

Illustration C

- Unfold the folding legs if you are working without pre-filter (only SCP 12000). You can buy the pre-filter as an accessory.

Illustration D

- Set the IQ Level Sensor to the desired switching height. The IQ Level Sensor can be removed from the guide rail toward the top and placed separately if necessary.

Illustration E

- Place the pump on a level, stable surface in the liquid to be transported, ensure that it is standing firmly or immerse it using a rope tied to the handle. The suction area should not be blocked fully or partially through the impurities.

Illustration F

- When installing the pump, you must make sure that the pump can be submerged up to the max. submersion depth (h1) of 9 m, but only has a max. flow height (h2) of 7 m (SCP 1200) or 8 m (SDP 14000). The flow height indicates the height difference between the water level and water exit at the end of the flow hose. You have to adhere to the flow height for the pump to flow. This must be observed throughout the entire pump run, as the flow height will increase with a decreasing water level (due to the pumping).

Operation

The fluid level must be minimum 3 cm (SCP 1200) or 8 cm (SDP 14000) for the pump to suck in automatically.

If the liquid level is less than 4 cm (only SCP 12000), proceed according to instructions in the chapter of flat suction.

→ Plug in the main plug.

The IQ Level Sensor controls the pumping operations.

The pump starts when the fluid level reaches the IQ Level Sensor. The pump switches off automatically after 10 to 60 seconds (depending on the ambient conditions) when the fluid level falls below the IQ Level Sensor. The pump automatically conducts the adaptation to the necessary trail time/pump time. This setting remains saved for a max. of 24 hours or until the mains plug is pulled out. If the mains plug is pulled prior to the 24 hour time period, or after the 24 hours have elapsed, the pump will automatically set the trail time/pump time to the set value of 10 seconds.

The optimising of the trail time/pump time prevents frequent switching on and off of the pump during rapidly increasing water levels. In this case, the pump will work even more effectively, the higher the IQ Level Sensor is installed.

Note:

Dry run leads to increased wear, switch the pump off within three minutes in case of a dry run.

Flat suction (only SCP 12000)

In flat suction mode, the fluids can be sucked off up to 1 mm of residual height.

→ Fold in the folding feet

→ Set the IQ Level Sensor to the lowest switching height (very bottom of the guide rail).

→ When the height of the remaining fluid is less than 20 mm, press the deaeration key or plug in and disconnect the pump many times till the fluid is sucked in.

Finish operation

→ Disconnect the main plug from the socket.

Maintenance and Care

⚠ Danger

Turn off the appliance and remove the mains plug prior to any care and maintenance work.

Care

Note

Contaminations can accumulate and lead to malfunctions.

→ Rinse the pump with clean water after use.

Especially after running chlorinated water or other liquids that leave residue behind.

→ In order to ensure a reliable switching of the pump, the IQ Level Sensor should be cleaned with a cloth (at least every 2 to 3 months).

Maintenance

The appliance is maintenance-free.

Transport

Caution

In order to prevent accidents or injuries, keep in mind the weight of the appliance during transport (see Specifications).

When transporting by hand

- Lift appliance by the carrying handle and carry it.

When transporting in vehicles

- Secure the appliance against shifting and tipping over.

Storage

Caution

In order to prevent accidents or injuries, keep in mind the weight of the appliance when selecting a storage location for it (see Specifications).

Storing the Appliance

- Store the appliance in a frost free area.

Special accessories

The figures of the following special accessories can be found on page 4 of these instructions.

6.997-346.0	Suction hose, by the meter, 1" (25.4mm) 25 m	Vacuum-tight spiral hose, to be cut into individual lengths. Can be used as individual suction assembly combined with connections and suction filters.
6.997-353.0	Stainless steel prefilter	The removable stainless steel prefilter increases the functional safety of the immersion pump and protects the pump impeller from clogging.
6.997-418.0	Pump connection G1 1/4 (41.9 mm) incl. backflow valve	Vacuum-tight connection of the hoses to the pump. Fits 1" (25.4 mm) or 1 1/4" (31.7 mm) hoses. With G 1 1/4 (41.9 mm) connection thread, incl. acorn nut, two pump connection pieces, flat seal and backflow valve. Insert the backflow valve instead of the flat seal to prevent the water from returning into the pump.
6.997-419.0	Flat hose - Set 1" (25.4 mm), 10 m	Flexible flat hose made of PVC and woven textile insert with zinc-coated hose clamp 25 - 40 mm. Especially recommended for floods to transport the water. Max. operating pressure: 0.4-0.5 MPa (4-5 bar)

Troubleshooting

⚠ Danger

To avoid risks, all repairs and replacement of spare parts may only be carried out by authorized customer service personnel.

First pull out the plug from the mains before carrying out any tasks on the machine.

Fault	Cause	Remedy
Pumping capacity is reducing	Suction area blocked	Pull out the mains plug and clean the suction area
Pumping capacity too low	The pumping capacity depends on the flow height, hose diameter and hose length.	Keep max. flow height, see technical data. If necessary, select a different hose diameter or hose length.
Pump runs but does not transport	Air in the pump	Press the ventilation button or plug in/ disconnect the mains plug of the pump a few times till the fluid gets sucked.
	Suction area blocked	Pull out the mains plug and clean the suction area
	Water level below minimum water level	Immerse, whenever possible, the pump deeper into the liquid or, in case of SCP 12000, proceed according to instructions in the chapter on flat suction.
	Max. flow height exceeded	Adjust the max. flow height as described in Chapter Prepare / Fig. F.
Pump does not run or suddenly comes to a standstill during operations	Power supply interrupted	Check fuses and electrical connections
	Thermal protection switch has switched off the pump due to over-heating	Pull out the mains plug, let the pump cool down, clean the suction area, prevent dry running
	Dirt particles have got jammed into the suction area	Pull out the mains plug and clean the suction area
	Pump operation stopped by IQ Level Sensor	Check the position of the IQ Level Sensor.
Pump no longer switches on or off in spite of the IQ Level Sensor	IQ Level Sensor is contaminated	Clean the IQ Level Sensor with clear water and a cloth.

Fault	Cause	Remedy
Pump switches on and off consecutively	Water returning from the hose switches the pump back on.	Use the included backflow valve

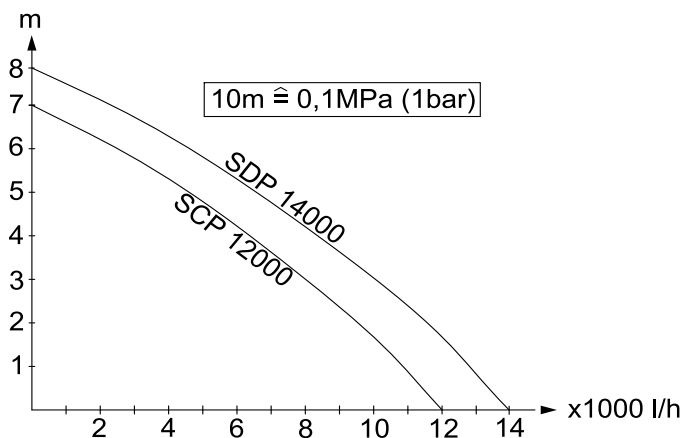
Our Kärcher branch will be pleased to help you further in the case of questions or faults. See address on the reverse.

Technical specifications

		SCP 12000	SDP 14000
Voltage	V	230 - 240	230 - 240
Current type	Hz	50	50
Output P _{nom}	W	600	800
Protective class		I	I
Max. flow rate*	l/h	12000	14000
Max. pressure	MPa (bar)	0,07 (0,7)	0,08 (0,8)
Max. flow height	m	7	8
Max. immersion depth	m	8	8
Max. grain size of the dirt particles that can be transported	mm	5	25
Max. solid content in the water	kg/m ³	2,0	10
Weight	kg	6,5	6,8

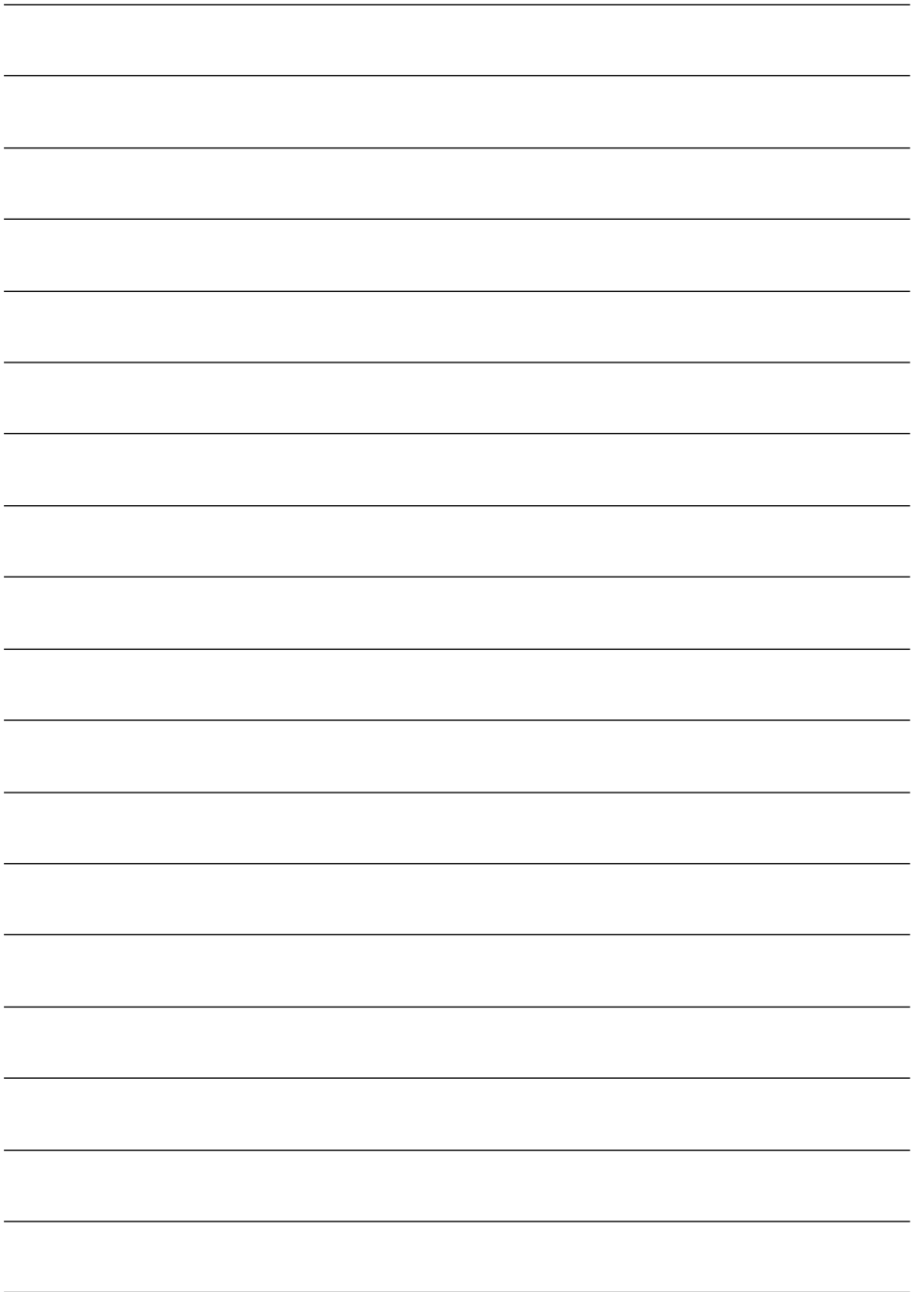
Subject to technical modifications!

*The max. flow rate is derived from the measurement without the backflow valve installed.



The possible feed volume is even larger:

- the lower the suction and flow heights
- the larger the diameter of the hoses used
- the shorter the hoses used are
- the lower the pressure loss caused by the connected accessories





<http://www.kaercher.com/dealersearch>

