Exercise due care in working with solvents! Follow carefully all safety guidance in the current safety data sheet! Always operate the apparatus in a fume hood!

Glass can break and cause injury! In working with glass components, observe all appropriate safety precautions.

Danger of electric shock! Make sure that no liquids get into the cable connections or the inside of the equipment.

Caution: vessels get hot and can cause burns! Do not touch the glassware with bare hands during and immediately after an extraction.

List of Components

- Stand, complete with heating element, flask adapter and distance part
- behrotest® glassware kit, consisting of:
  Round-bottomed flask
  with NS 29 std. taper neck,
  250 ml (KEX 100) or 500 ml (KEX 250)
  Soxhlet extractor EZ 100 / EZ 250
  Reflux condenser RFK 100
- Extraction thimbles EX 100 HS or EX 250 HS (2 pcs)

Setting up and Connecting

- Place the stand on a flat level surface.
- Remove the shipping protection from the heating unit.
- Verify that the power dial on the heating unit is set to the “0” off position.
- Insert the power plug into a mains socket.

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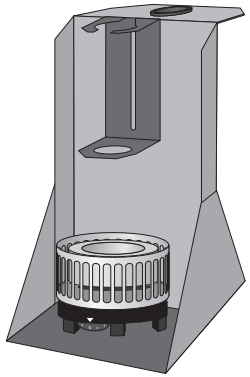

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Installing the Glassware

1. Insert the round-bottom flask into the heating unit.
2. Insert the extractor in the mouth of the flask, threading it through the gaps in the mounting.
3. Insert the reflux condenser on top of the extractor.

In the bottom of the heating adapter you'll notice a cros-shaped profile. It serves as a distance piece to prevent the round-bottom flask from being jammed, and possibly crushed, in the adapter.

Connecting the Tubing

The lower connection on the reflux condenser is the cooling water inlet and the upper connection is the water outlet.

Connect the tubing as follows:

- Slip a hose on the lower nozzle of the condenser and connect it to the laboratory water tap.
- Slip a hose on the upper nozzle of the condenser and lead it to a sink or drain.

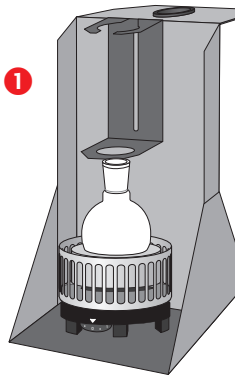
Turning the Heating Unit On

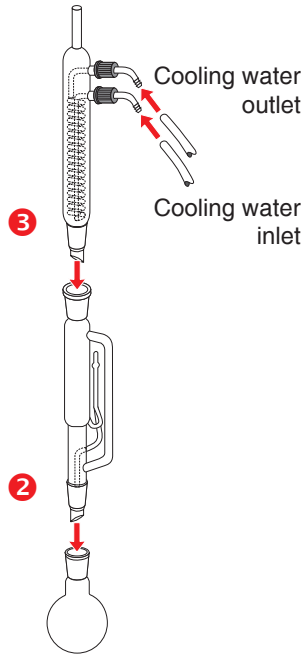
Switch the heating unit on by turning the thumb-wheel at the bottom of the unit.

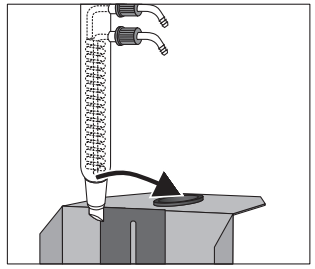
To heat the solvent in the round-bottomed flask as rapidly as possible, it is advisable to initially set heating power to the uppermost level. Once the solvent starts boiling, the power level should be lowered.

When the Extraction is Done...

... just place the reflux condenser in the boring in the stand so you have it handy for the next extraction.







Spare Parts

Art. No.	Designation	Description
For 100-ml extraction (KEX 100):		
B 0021 8499	RK 250	Round-bottomed flask, NS 29 neck, 250 ml
B 0021 7967	EZ 100	Extractor
B 0021 8214	RFK 100	Reflux condenser
B 0011 6487	EX 100 HS	Extraction thimbles, 33 x 94 mm, 25 pcs
For 250-ml extraction (KEX 250):		
B 0021 8500	RK 500	Round-bottomed flask, NS 29 neck, 500 ml
B 0021 7974	EZ 250	Extractor
B 0021 8214	RFK 100	Reflux condenser
B 0021 7975	EX 250 HS	Extraction thimbles, 33 x 205 mm, 25 pcs

Technical Data

Nominal voltage	230 / 115 V~, 50 / 60 Hz
Current	at 230 V: 3 A; at 115 V: 6 A
Power consumption	450 W
Weight	approx. 7,5 kg
Dimensions (W x H x D, mm)	approx. 230 x 330 x 800

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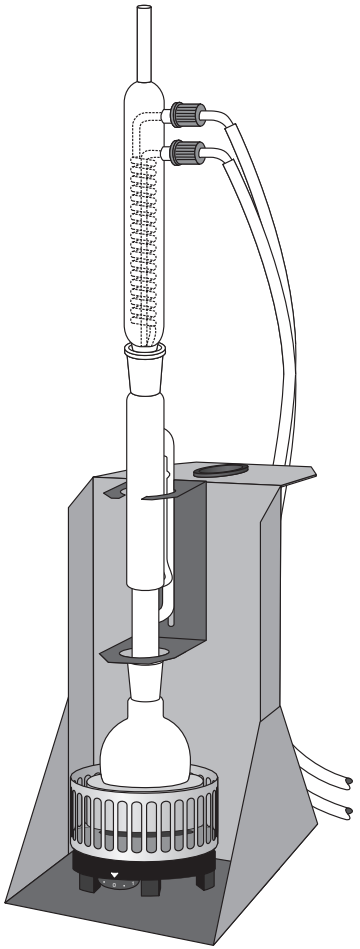
Compact Apparatus KEX 100 / KEX 250

For 100-ml / 250-ml Soxhlet Extraction



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User's Manual