

Quick guide initial start-up AZURA® Pump P 8.1L

Before unpacking the device, specify the location by taking the following requirements into account.

- Ensure that the power plug on the power supply (wall socket or power strip) is always accessible, so that the device can be disconnected from the power supply:
- Ensure adequate ventilation around the device to avoid overheating.
- Place on a firm and even surface.
- Protect against direct sunlight.
- Do not expose to air drafts such as air conditioning systems.
- Do not set up next to other machines that cause floor vibrations.
- Keep from high frequency sources.
- Avoid temperature fluctuations.
- Do not operate the device in a wet room.

Unpacking

⚠ CAUTION

Bruising danger

The device weighs more than 18 kg. Do not carry or lift it on protruding housing parts. If it falls, it may cause injury.

- ➔ Lift the device only centrally on the side of the housing.
- ➔ Only carry the device with two people.

Process

1. Orientate the package so that you can read the label.
2. Check the packaging, the device and accessories for transport damages.
3. Check the scope of delivery. In case any parts are missing, contact the Technical Support.
4. If you lift, carry or move the device, make sure to grasp it from below with two people.
Do not hold it on the front cover or the leak tray, as these parts are only loosely attached.

Power supply

⚠ DANGER

Electric shock

Danger of electric shock from damaged cables.

- ➔ Make sure that the power cable is not subjected to high forces.
- ➔ The power cable should not be bent or clamped.
- ➔ Make sure that the power cable does not come in contact with liquids and heat sources.

NOTICE

Electronic defect

Electronic hazard when using an identically constructed power adapter from another manufacturer.

- ➔ Only use spare parts and accessories from KNAUER or a company authorized by KNAUER.

- Use the supplied power cable and plug to meet the specifications. Detachable power cables are not allowed to be replaced with other cable types.
- Replace defective cables and plugs only with accessories from KNAUER.

Switching on the pump

NOTICE

Device defect

Changes of the environmental temperature cause condensation inside the device.

→ Allow device to acclimate for 3 h before connecting to power supply and taking into operation.

NOTICE

Component defect

Possible damage to the pump head due to dry running.

→ Make sure that solvent flows through the pump head and piston backflushing.



Note: Most of the tubings and capillaries are already pre-installed. An exception is the inlet of the eluent bottle to the solvent selection valve.



Note: Before the pump can be used, it has to be purged to remove excess air in the capillaries. Connect the capillaries to the flushing solution and flush them one by one.

1. At the time of delivery, some tubings and capillaries are already pre-installed. You only need to connect the eluent bottles. For the connection of the eluent bottles, tubes with built-in eluent filters are used. The tubes have to be screwed onto the device with flangeless fittings.
2. Switch the pump on by using the power switch on the back of the device.
3. After switching the pump on, the piston backflushing flushes automatically for 15 sec. Since the flow path is circular, only one bottle is required for the flushing solution. The silicone tube between the piston backflushing and the flush pump is pre-installed.
4. Before taking the pump into operation a running-in procedure has to be carried out. After completing this procedure the pump can be taken into operation.

Recommended flushing solutions:

- Distilled water
- Mixture of 80 % water and 20 % ethanol
- Isopropanol

Meaning of the LEDs

There are three LEDs on the front of the device. The LEDs can have different colors depending on the operating conditions.

Left LED	Center LED	Right LED
<ul style="list-style-type: none"> ■ Flashes red: Error message ■ Red: Serious error 	<ul style="list-style-type: none"> ■ Flashes green: Device is equilibrating. ■ Green: Pump does transport solvent. 	<ul style="list-style-type: none"> ■ Green: Pump is switched on. ■ Blue: Standby

Further information concerning the AZURA® Pump P 8.1L can be found in the instruction manual (V6770).

