Becatron AG

Laboratory dyeing machine

LabCUBE

The **LabCUBE** can be put to universal use in the textile, chemical and dyeing industries. The **LabCUBE** can be operated without a water connection and is portable! An extremely wide range of textiles and their blends can be dyed with the different material carriers.

Application

The single-station laboratory dyeing machine can be used for sample dyeing in atmospheric or at high temperatures.

Processes:

- Woven and knitted fabrics
- Yarn as a cross-wound bobbin/ skein
- Flocks and fibres in the dye basket

Principle

The magnetic pump conveys the dye bath from the inside to the outside and vice versa (automatic reversing) using the material carrier. The loaded material carriers are coupled to the pump body and inserted into the beaker as a unit.

Becatron AG Switzerland

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Beaker dyer for sample dyeing under high temperature conditions

TECHNICAL INFORMATION

Machine:

Number of beakers: 1

Volume: 900 ml

Temperature range: 20 - 135 °C

Temperature gradient: 0.3 - 4 °C/min

Weight without beakers: 7.5 kg

Heat capacity: 600 W

Cooling: Air circulation fan

Dyebath circulation: Out / In - In / Out

Speed pump: max. 1'500 RPM

Dimension (l x b x h): 270 x 200 x 490 mm

Power: 230 V

Controller:

Typ: Datex Touch Pico

Touchscreen: 4.3"

Interface: WIFI (Optional)

APPLICATION

A variety of accessories enable a multitude of possible applications. The **LabCUBE** is specifically configured to suit your requirements and is used for the following work processes:

- Beaker dyeing of knitted and crocheted fabrics, yarns and flocks
- For dye bath ratios of 1:8 to 1:20
- Carrying out washing fastness tests

FUNCTIONALITY

The **LabCUBE** laboratory dyeing machine cuts a convincing figure thanks to its sophisticated and highly efficient functional principle and easy handling. The stainless steel dyeing beakers are suitable for dyeing under both atmospheric and high-temperature conditions. The beaker is closed using the quick-release fastener. The beaker is equipped with a pressure relief valve that opens automatically in the event of overpressure.

The various material carriers are also made of stainless steel or PTFE. The loaded material carriers are coupled together with the pump body and inserted into the beaker as a unit. The dye bath can be filled before or after the material carrier has been inserted.

The built-in electric motor contactless controls the inserted pump body by means of a magnetic drive. In addition to regulating the temperature and the time, the controller manages pump reversal and the ramp for soft drive start-up

ACCESSORIES

HT-Beakers

Dye tube holder

Dye basket

Magnetic pump