

**SM100-PRO**  
*DIGITAL ROTARY EVAPORATOR*



**Science**  
**MED**  
Finland Technology

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## DESCRIPTION

Excellent choice for distillation, synthesis, dry, evaporation, purification and separation procedures through organic solvents. SM100-PRO is an essential equipment in quality control, chemical analysis and biotechnology laboratories, research institutes, universities, food, chemical, pharmaceutical and cosmetic industries, etc.

### TECHNICAL PARAMETERS

#### HEATING TEMPERATURE RANGE

Water: RT to 90°C  
Oil: RT to 180°C

#### CONTROL ACCURACY

Water: ±1°C  
Oil: ±3°C

#### SPEED RANGE

20 to 280 rpm

#### HEATING BATH CAPACITY

5 L

#### CLOCKWISE AND ANTI-CLOCKWISE

Yes

#### DISPLAY

LCD

#### MOTOR TYPE

Brushless DC motor

#### PROTECTION CLASS

IP20

#### STROKE DISPLACEMENT

Automatic 150 mm

#### DIMENSIONS

465 x 457 x 583 mm

#### TIME RANGE

1 to 999 minutes

#### WEIGHT

15 kg

#### EVAPORATING FLASK VOLUME

1000 mL

#### POWER

1400 W

#### RECEIVING FLASK VOLUME

1000 mL

#### POWER SUPPLY

100-120V, 60 Hz

#### CONDENSER COOLING SURFACE

1700 cm<sup>2</sup>

## KEY FEATURES

- Intuitive setup, large LCD display shows temperature, time and speed.
- Maintenance-free brushless DC motor.
- Silent and motor lift.
- Overheating protection.
- Excellent sealing performance with double spring sealing ring which is made of PTFE for a safe work.
- Water/oil heating mode can be changed easily.
- Automatic motor lift releases the evaporating flask to a safe position in case of power failure.
- Interval operation for drying processes.

## STANDARD ACCESSORIES

- Flasks
- Vertical condenser
- Heating bath
- Plastic clamp
- Metal clamp
- Hook wrench

