

## Rotary evaporator set with vacuum unit

EN 12697-3 For recovery of the binder after extraction.

Contains:

- ▶ Evaporator drive with motor lifting stand
- ▶ Glass set with vertical condenser and evaporating and receiving flasks each 1000 ml with coating against glass breakage
- ▶ Heating bath for water or oil
- ▶ Diaphragm vacuum pump with automatic vacuum control using a digital controller with 3 digital displays for actual value, setpoint and operating mode. Programming possibility of ramp functions.

Thermal oil for the oil bath is also required. Technical specifications:

- ▶ Evaporator drive 10 .. 280 rpm with digital display
- ▶ Glass set with vertical cooler
- ▶ evaporating flask 1000 ml
- ▶ 1000 ml receiving flask
- ▶ Heating bath temperature range 20 .. 210°C, accuracy +/- 1°C with overtemperature protection
- ▶ boiling temperature probe
- ▶ 2-stage vacuum pump, resistant to chemicals,

ultimate pressure 7 mbar

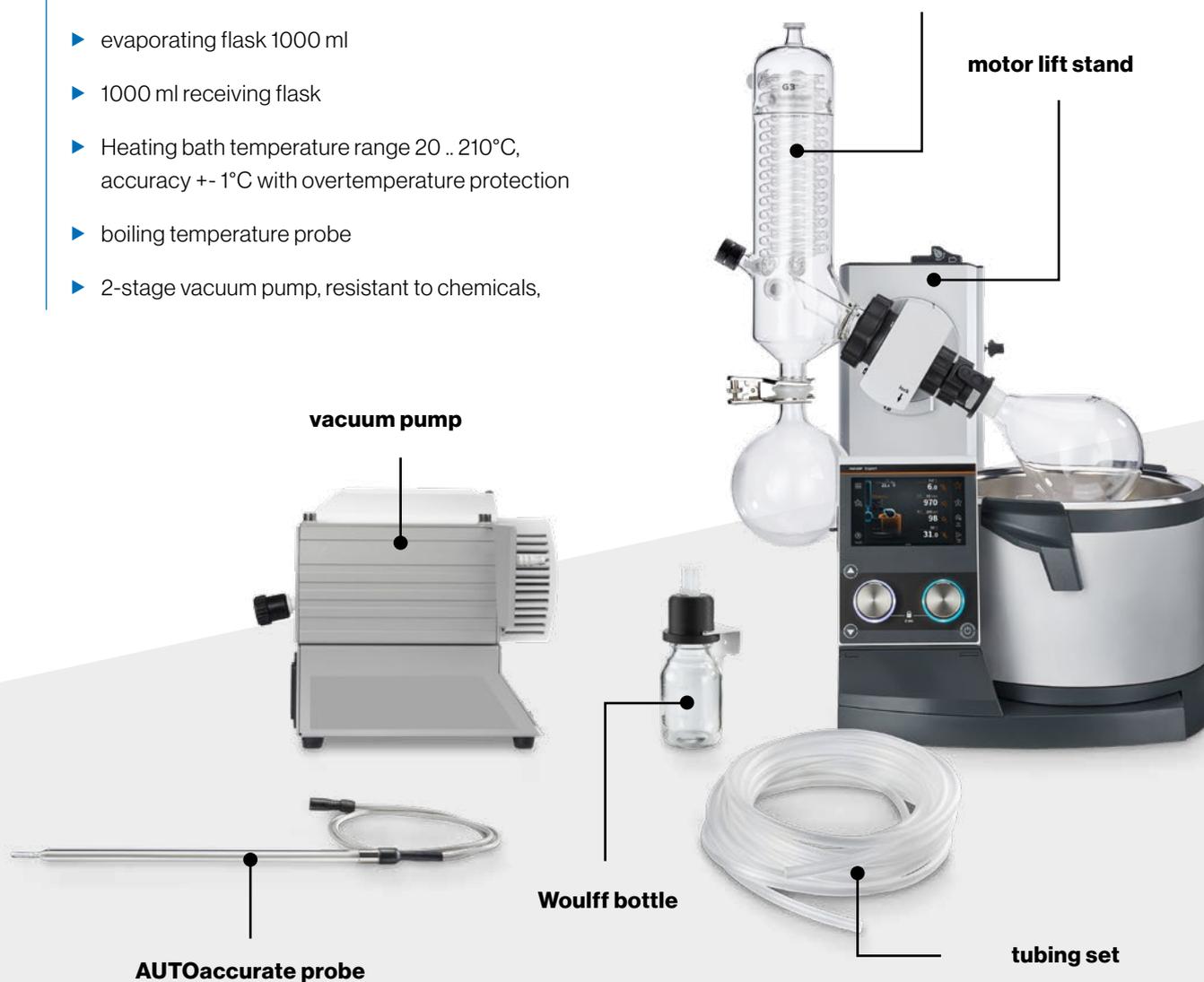
- ▶ vacuum controller
- ▶ condensate cooler
- ▶ vacuum valve
- ▶ Wouff bottle
- ▶ Vacuum and water hose set

### Technical data

Weight	25.00 kg
Electrical data	230V, 50Hz, 1400W

20-13050

**Glass set complete, available in three variants (G1, G3, G3 XL)**



### Vacuum rotary evaporator

An operating concept reduced to the essentials: clear and always with direct access to the basic parameters of rotation speed and heating bath temperature.

#### Vacuum rotary evaporator

EN 12697-3 motor lift model with transparent G1 diagonal radiator Includes:

- ▶ Evaporator drive with infinitely variable speed from 10 to 280 rpm
- ▶ Digital display of speed and bath temperature
- ▶ A heating bath with temperature controller from 20 - 210° C
- ▶ A motor jack for raising and lowering the glass set
- ▶ Glass set complete with diagonal condenser and 1000 ml evaporating and receiving flask

20-13000

#### Vacuum rotary evaporator

EN 12697-3 Motor Lift Model with G3 Vertical Cooler Includes:

- ▶ Evaporator drive with infinitely variable speed from 10 to 280 rpm
- ▶ Digital display of speed and bath temperature
- ▶ A heating bath with temperature controller from 20 - 210° C
- ▶ A motor jack for raising and lowering the glass set
- ▶ Glass set complete with space-saving vertical condenser as well as 1000 ml evaporating and receiving flasks

20-13030

### Vacuum rotary evaporator

EN 12697-3 hand lift model with G1 diagonal radiator

Includes:

- ▶ Evaporator drive with infinitely variable speed from 10 to 280 rpm
- ▶ Digital display of bath speed and temperature
- ▶ A heating bath with a temperature controller of 20 - 210 C°
- ▶ A lifting tripod for raising and lowering the glass set
- ▶ Glass set complete with diagonal condenser and 1000 ml evaporating and receiving flask

20-13010

### Vacuum rotary evaporator

EN 12697-3 motor lift model with transparent, plastic-coated G3 XL vertical cooler: 2,200 cm<sup>2</sup> cooling surface for maximum evaporation performance! Contains:

- ▶ Evaporator drive with infinitely variable speed from 10 to 280 rpm
- ▶ Digital display of speed and bath temperature
- ▶ A heating bath with temperature controller from 20 - 210° C
- ▶ A motor jack for raising and lowering the transparent, plastic-coated glass set
- ▶ Plastic coated glass set complete with space-saving XL vertical cooler (2,200 cm cooling surface for maximum evaporation performance!) as well as 1000 ml evaporating and receiving flask.

20-13040

### Heating bath liquid

5 l container for the oil bath rotary evaporator.

20-1300E86 170°C

20-1300E87 220°C

# AREA 20 ASPHALT & BITUMEN

## Extraction

### ACCESSORIES

for PURE MODULAR SYSTEM



#### Filter-extraction centrifuge 1500/3000 g

EN 12697-1 - EN 13108 - ASTM D 2172 - AASHTO T 164 For extraction of asphalt mixture using filter paper and centrifuge. Determination of binder content using the difference method. Speed adjustable up to 3600 rpm. Drain pan and hood as well as filter paper must be ordered separately.

##### Technical data

Weight	50.00 kg
Electrical data	230V, 50/60Hz

20-12000

#### Filter-extraction centrifuge 1500 g - 60 Hz

ASTM D 2172 - AASHTO T 164 For the extraction of asphalt mixture using filter paper and centrifuge. Speed adjustable up to 3000 rpm.

##### Technical data

Weight	49.00 kg
Electrical data	230V, 60Hz

20-1200-60



#### Distillation Plant

For the recovery of non-flammable solvents from bitumen etc. The contaminated solvent is heated in the storage chamber. The volatile solvent is then cooled down again via a water-operated cooling coil and settles in the storage chamber. Hourly output approx. 10 l. Incl. overtemperature protection and level indicator.

		weight	Electrical data
20-1250	10 l/h	20 kg	230V, 50/60Hz, 1.2kW
20-1260	40 l/h	31 kg	230 V, 50/60 Hz, 3.5 kW

#### Evaporation flask NS 29/32

20-1300.1	1000ml
20-1300.7	2000ml
20-1300.10	3000ml



#### Piston clamp NS29

20-1300.11

### Receiving flask KS35

20-1300.12	1000 ml with tap
20-1300.2	1000ml
20-1300.3	2000ml



### Cork ring for evaporating flasks 1000 - 2000 ml

OD 140mm

#### Technical data

Weight 0.07 kg

20-1300.4

### Wire clip 29/32 for evaporating flasks

#### Technical data

Weight 0.01 kg

20-1300.8

### Metal clip with locking mechanism

For evaporating/receiving flasks.

#### Technical data

Weight 0.01 kg

20-1300.9

