

# Ultrasound Extraction System

**PURE**<sup>5</sup>  
Powered by  
**COMERG**

## PRODUCT SPEC

### Reaction Vessel

- **Reaction Volume:** 30 L
- **Biomass:** 3-7 lb per batch
- **Stirring speed:** 0-450 rpm
- **Speed control:** Continuous
- **Stir axle diameter:** 12 mm
- **Digital display:** LCD
- **Temperature sensor:** PT100
- **Sealing:** PTFE
- **Stir rod coating:** PTFE
- **Voltage:** 220V/60Hz, 1p
- **Power:** 120 W
- **Dimension:** 760\*560\*2300 mm
- **Weight:** 88 kg

### Solvent receiver

- **Orientation:** horizontal
- **Maximum solvent content:** 32 kg

### Ultrasound Agitator

- **Ultrasonic Power:** 3000 W
- **Ultrasonic Frequency:** 20 kHz

### Vacuum Pump

- **Vacuum degree:** 0.098 Mpa
- **Voltage:** AC220V/50Hz
- **Power:** 370 W
- **Flow rate:** 80 L/min
- **Pump lift:** 12 M
- **Pump taps:** 5
- **Suction rate:** 10 L/min
- **Capacity:** 50 L

### Chiller

- **Volume:** 30 L
- **Lowest temp:** -30°C
- **Refrigerating capacity (W):** 3729-1801
- **Flow:** 20 L/min
- **Accurate:** ±0.5°C
- **Voltage:** 220V/60Hz



### Storage and Filters

- **Glass Materials:** GG-17
- **Support Frame:** Stainless Steel
- **Flask Volume:** 10 L
- **Funnel Size:** 350\*220 mm
- **Dimension:** 490\*490\*1500 mm

### Physical Dimensions

- **Height:** 1,400 mm
- **Length:** 2,500 mm
- **Width:** 1,500 mm
- **Total weight:** app. 200 kg
- **Floor mounting area:** min. 5 m<sup>2</sup>
- **Ceiling height:** 3.0 m

### Control System

- **Functions:** Semi Automatic Programmable Logic Controller (PLC) functionality and user programmable stirring speed, temperature and time.

For pricing information, a demo or more information contact:

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