

# CE 285

## Suspension production unit



### Specification

- [1] supply unit to produce and deliver suspensions for experimental filtration units
- [2] stirred tank with lid and stirring machine to prepare a suspension
- [3] eccentric screw pump, with pressure cut-out switch, dry-running protection and adjustable speed, to deliver the suspension

### Technical data

- Tank: 200L, stainless steel  
 Stirring machine
- power consumption: 180W
  - speed: 1000min<sup>-1</sup> (constant)
- Pump
- max. pressure: approx. 5bar
  - max. flow rate: approx. 300L/h
- Measuring ranges
- manometer: 0...10bar
- 400V, 50Hz, 3 phases  
 400V, 60Hz, 3 phases  
 230V, 60Hz, 3 phases  
 UL/CSA optional  
 LxWxH: 1850x850x1450mm  
 Weight: approx. 250kg

### Required for operation

water connection, drain

### Scope of delivery

- 1 suspension production unit
- 1 packing unit of diatomite
- 1 set of hoses
- 1 set of instructional material

### Description

#### ■ supply unit for experimental filtration units CE 284, CE 286

CE 285 provides the experimental filtration units with a suspension of diatomite and water (recommended). The suspension is prepared in the stirred tank. The stirrer ensures that the solid remains suspended and does not settle. An eccentric screw pump delivers the suspension to the connected experimental unit.

The pump rotor is made of stainless steel. It runs inside an elastomer housing. A manometer indicates the pressure. A pressure cut-out switch stops the pump if the pressure is too high. A temperature transducer protects the pump from running dry.

The speed of the pump can be adjusted on a potentiometer. The stirred tank features a level indicator and three flow impellers. All necessary connecting elements are supplied to connect the supply unit to the relevant experimental filtration unit.

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Optional accessories

083.28400	CE 284	Nutsche vacuum filter
083.28600	CE 286	Nutsche pressure filter