



Information about product price on demand

Parameters

Quantitative unit

ks

## GUNT CE 530

System is designed for the removal of solvents from salt solutions using the principle of reverse osmosis. It includes a polyamide spiral wound membrane module, which facilitates efficient filtration. The system features a piston pump with a pulsation damper to ensure stable pressure generation, and an overflow valve for pressure control upstream of the membrane. The retentate flow rate is adjustable via a dedicated valve.

For enhanced safety, the system is equipped with a safety cutout to protect the pump from dry running. The system's operations are managed via a PLC (Programmable Logic Controller), with a touch screen interface for ease of control. An integrated router allows for remote operation and control, as well as screen mirroring on up to five devices. Data acquisition is stored in the PLC's internal memory, and measured values can be accessed via WLAN/LAN using the integrated router or through a direct LAN connection to the customer's network.

Additionally, the system comes with GUNT software for data acquisition through LAN on Windows 10.

## Technical Data & Specifications:

- PLC: Eaton XV-303

### Spiral Wound Membrane Module:

- Active area: 1.2 m<sup>2</sup>
- Raw water flow rate: Max. 1.4 m<sup>3</sup>/h
- Length: Approx. 533 mm
- Diameter: Approx. 61 mm

### Piston Pump:

- Max. flow rate: Approx. 585 L/h
- Max. pressure: Approx. 140 bar
- Operating pressure: Max. 58 bar

### Stirring Machine:

- Power consumption: 130 W
- Speed: 50-1000 min<sup>-1</sup>

### Tanks:

- Raw water (salt solution, 3.2% max.): Approx. 110 L
- Rinsing water (distilled water): Approx. 110 L
- Permeate: Approx. 5 L

### Measuring Ranges:

- Flow rate (retentate): 0.5-7.5 L/min
- Flow rate (permeate): 0.05-1.8 L/min
- Temperature: 3x 0-60°C
- Pressure: 4x 0-100 bar (2x manometer, 2x sensor)
- Conductivity: 3x 0-200 mS/cm

### Operating Conditions:

- 230V, 50Hz, 1 phase
- 230V, 60Hz, 1 phase
- 120V, 60Hz, 1 phase (UL/CSA optional)

### Included Items:

- Polyamide spiral wound membrane module
- Piston pump with pulsation damper
- Overflow valve and retentate flow rate valve
- PLC with touch screen control
- Integrated router for remote operation and screen mirroring
- GUNT software for data acquisition under Windows 10
- Dimensions & Weight:
- Trainer: 1250 × 1050 × 2100 mm
- Supply Unit: 1500 × 1050 × 1400 mm
- Total weight: Approx. 290 kg

### Required for Operation:

- Water connection and drain
- Sodium chloride (NaCl)

- Distilled water
- Sodium disulfite (for membrane module preservation)
- Caustic soda
- Hydrochloric acid
- PC with Windows (recommended)