



Information about product price on demand

Parameters

Quantitative unit

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GUNT CE 587

The Dissolved Air Flotation System Unit is designed for the removal of solids from raw water by utilizing dissolved air flotation combined with flocculation. The system includes a flocculation tank with 3 chambers and 4 stirring machines for conditioning the raw water, and a flotation tank equipped with an electrically driven scraper to separate solids. The unit includes 3 metering pumps for chemical dosing, a pressure tank, and 2 circulation pumps to maintain effective water treatment. The system is also equipped with electromagnetic flow rate sensors and offers precise measurement and control of flow rate, pressure, and pH values to ensure optimal performance.

Technical Data & Specifications:

Tanks:

- Flotation tank: 150 L
- Flocculation tank: 45 L
- Raw water tank: 300 L
- Treated water tank: 80 L
- Sludge (float) tank: 15 L

Raw Water Pump:

- Max. flow rate: 135 L/min
- Max. head: 7.0 m

Circulation Pumps (2x):

- Max. flow rate: 18 L/min each
- Max. head: 50 m each

Metering Pumps (3x):

- Max. flow rate: 2.3 L/h each

Stirring Machines:

- Max speed: 600 min⁻¹ each

Measuring Ranges:

- Flow rate (raw water): 0.5-10 L/min
- Flow rate (recycle water): 30-320 L/h
- Flow rate (air): 20-360 L/h
- pH value: 1-14
- Pressure (recycle water): 0-6 bar

Operating Conditions:

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

Included Items:

- Flocculation tank with 3 chambers and 4 stirring machines
- Flotation tank with electrically driven scraper
- Pressure tank and 2 circulation pumps
- 3 metering pumps for chemical dosing
- Raw water pump
- Electromagnetic flow rate sensor
- Measurement and control of flow rate, pressure, and pH

Dimensions & Weight:

- Supply Unit (L × W × H): 1560 × 790 × 1150 mm
- Trainer Unit (L × W × H): 3100 × 790 × 1950 mm
- Total Weight: Approx. 550 kg

Required for Operation:

- Water connection
- Drain
- Compressed air

- Caustic soda
- Iron(III) sulfate
- Flocculant
- Powdered activated carbon (recommendation)