



## TMS-C Filtration System, Outdoor, 230 V, 5 m heated sample hose

Product #: LZH418.82.01101

AED Price: Contact Hach

### Sample preparation with automatic self-cleaning system

Suitable for difficult applications such as inlet of a municipal wastewater treatment plant and industrial wastewater. The system can be combined with process analysers Amtax sc, Phosphax sc, or Nitratax sc in a bypass solution.

The TMS-C Filtration System consists of a GRP cabinet in which the mechanical and electrical components are mounted. The outdoor versions include a built-in heater and cooler, so the unit can be installed at the basin without any additional modifications. The sample hoses of the outdoor versions are heated to prevent freezing.

The canister for the cleaning solution will be placed in the cabinet. Please note that for air cleaning compressed air is needed.

The lightweight filtration membrane is made of Porospoly. It is mounted in a PVC housing which is connected to the hose with a union nut, so it can easily be exchanged. The membrane will be submersed directly into the sample.

**This product replaces LZH393.xx.01101.**

**Suitable for difficult applications**

**Lightweight filtration membrane, easy to handle**

**Can be used with multiple analysers**

**Cleaning with both air and chemical cleaning solution**

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### Specifications

|                         |   |
|-------------------------|---|
| Ambient temperature:    | -20 - 45 °C   |
| Certifications:         | CE  |
| Compatible instruments: | Amtax sc or Phosphax sc   |
| Delivery height:        | Bypass installed instrument w/o self-suctioning capabilities; e.g. Nitratax sc, using micropump<br>From TMS-C control unit to analyser: 0 m (control unit must be at the same height level as the analyser) |
| Delivery Height:        | From TMS-C membrane to control unit: 4 m (maximum)  |
| Depth:                  | Insertion depth of the TMS-C membrane: 100 mm (minimum)   |
| Dimensions (H x W x D): | 600 mm x 600 mm x 200 mm  |
| Flow rate:              | 20 - 23 L/min   |

|                               |  |
|-------------------------------|--|
| Head:                         | Maximum vertical lift: 4 m from sample (TMS-C membrane) to pump                                    |
| Hose length:                  | 5 m heated suction hose  |
| Maintenance requirements:     | Manual cleaning of the filter system membrane: 1/week  |
| Manual languages:             | English (GB)   |
| Material:                     | Filter system control unit enclosure: GRP (glass-fibre reinforced plastic)                         |
|                               | Filter system membrane: porospoly; PVC housing; FKM/FPM seals                                      |
| pH Range:                     | 2 - 10 pH  |
| Power requirements (Amps):    | 2.0 A  |
| Power requirements (Hz):      | 50 Hz  |
| Power requirements (Voltage): | 230 V  |
| Pressure range:               | 4 bar max.   |
| Sample temperature:           | 4 - 40 °C  |
| Sample volume:                | 200 - 500 mL/h , depending on pollution level of the TMS-C membrane and length of the suction hose |
| Warranty:                     | 24 months  |
| Weight:                       | Filter system control unit without hoses: 30.5 kg (cabinet only)                                   |
| What's included?:             | Control Unit, Filter module, sample hose, manual   |

## What's included?

Control Unit, Filter module, sample hose, manual