

HB-THERM[®]

TREAT

Product Information
Water Treatment Unit HB-TR2
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Water Treatment Unit HB-TR2

Mobile units for water treatment are designed for use specifically in situations where higher demands are made on water quality for particular applications. These can be e.g. water temperatures in the range over 160 °C, rotary feedthroughs with critical sealing elements or small cooling channel cross sections. Impurities in the circulation system or corrosion on moulds reduce the heat transfer, and thus diminish the performance of the unit. The purpose of water treatment is to:

- ensure that no more corrosion and scaling can occur
- prevent the formation of algae and sludge
- filter out particles released from encrustation or accumulations of sludge

With the water treatment unit HB-TR2 HB-Therm offers a solution for supplying system water to temperature control units. These must have a separate inlet and outlet for system water and an activated cyclical exchange of the system water. The number of temperature control units that can be connected to a water treatment unit is dependent on the total volume of the water circulation system. After adding the conditioning agent once, the machine operates automatically. Taking samples and removal of sludge can be done without interrupting operation from the ball valves on the front.

Standard Equipment

| | |
|----------------------------|---|
| Hydraulics | Ultrasonic fill level gauge |
| | Filterless sludge separator effective from 5 µm |
| Functions | Automated filling and draining function |
| | Mixing function for the manually added conditioning agent |
| Monitoring / Safety | Leak monitoring system |
| | Periodic signal to check the protective effectiveness of the conditioning agent |
| | Safe handling thanks to configuration and specification of the conditioning agents |
| Command / Display | TFT-Colour display 3,5" with menu support and online help in selectable user language |
| | Display of the required refilling amount of the conditioning agent |
| | Visual and acoustic alarms; volume adjustable |
| | Front USB connection for software updates and recording |
| | Integrated logbook for test results, consumption of agents, thinning and alarms |

Technical Specifications

| Water treatment unit | Type | HB-TR2 |
|-----------------------------|--|--|
| Pump (50 Hz) | sealless; 0,5 kW; 30 L/min, 52 m | DU |
| Additional equipment | Keyboard-protection | ZK |
| Mains voltage | 400 V (380–420 V), 50 Hz (50–60 Hz); 3LPE | 400 V (other voltages on request) |
| Accessories | Test kit polyamine | 25984 |
| | Test kit pH level | 25908 |
| | Conditioning agent ST-DOS H-314; 5 kg (approx. 250 L system water) | 25983 |

Example for ordering: HB-TR2-DU-ZK, 400 V, English

Technical Data

| | | |
|------------------------------------|--------------------------------|--|
| Power connection | Mains cable to unit | 2.5 mm ² 3LPE, 4 m (plug on request) |
| | Connected load; maximum fusing | 0,6 kW; 3x16 A |
| Dimensions | HxWxD | 700x240x685 mm |
| Weight | approx. | 50 kg |
| Tank utilization capacity | approx. | 23,8 L |
| Connection of main and return line | Thread | G½ |
| Freshwater inlet connection | Thread | G¾ |
| Wastewater outlet connection | Thread | G¾ |
| Drain | Thread | G¾ |
| Environment | Temperature | 5–40 °C |
| | Humidity | 35–85 % RH (non-condensing) |
| Colour | Cover | RAL 7035 (glossy light grey), RAL 5012 (glossy light blue) |
| | Control panel | RAL 7012 (basalt grey) |
| Protection class | | IP 44 |
| Standards (major ones) | | EN 60204, EN 60335 |
| Certification/Approval | | CE (compliance with relevant EU directives) |

We reserve the right to modify the specifications without notice