

# Technical Standard Specification

Series: Water Advanced H0

Medium: Water up to 200°C

maximum external volume: 9 ltr at 200°C  
20 ltr at 150°C

max. system pressure: 15 bar plus pump pressure at 200°C

## Functional equipment hydraulic

- Cooling and filling controlled by solenoid valve
- Bypass between to and from process with reduced cross-section
- Level monitoring by magnetic float switch
- Automatic temperature-dependent system closing
- Flow monitoring by recording surface temperature of heating rods and flow
- Dirt trap in cooling water supply and return line of circulating system
- Separate automatic filling with dirt trap
- Flow metering according to principle of pressure difference  
(no flow metering in Product Line "Base" or with Base-package)
- Monitoring of surface temperature of heating rods via temperature sensor
- Safety temperature observer to process



## Functional equipment electrical

- Controller SCT standard (7" touch display)  
(Base-Package or Product Line "Base": SBC-T)
- Heating control by solid-state-relay
- Control cabinet IP54 with fan-ventilation
- Heating capacity: cf. O/C

## General equipment

- Corrosion resistant components (VA, MS)
- Heating with Incolloy stainless steel tubular heaters
- Unit mounted on rollers and ready for connection

## Cooling

Type	Capacity	Set-up	Connection cooling water
w/o	0	w/o	w/o
36	42 kW	copper fin-tube heat exchanger in steel coat (Cu-Ni10Fe)	sealing cone DIN 3863/3870 G3/8 ext.thread

Capacity at 80°C temperature to process and 15°C cooling water temperature, and pressure difference of 3 bar between cooling water inlet and outlet.

## Pump

	HT/CY 4281
Output rate (max.)	60 ltr/min
Pressure (max.)	6.0 bar
Motor capacity	1.0 kW
Construction	peripheral

## Dimensions/weight/colours

Dimensions L/W/H:	755 mm x 315 mm x 765 mm (w/o connect.)
Weight:	approx. 95 kg
Colour:	case: RAL 7035 light grey front door: RAL 7016 anthracite grey

## Connections

Circulating medium	sealing cone DIN 3863/3870 G1/2 external thread
Separate filling	sealing cone DIN 3863/3870 G3/8 external thread

- Subject to technical changes; latest update: Oct. 12th, 2018; changed by F.Sporck -

**This unit complies with the European Directives. Other directives and standards are met only if they listed in the order confirmation. This technical specification represents the standard equipment. For non-standard specifications upon customer's request see quotations or O/Cs. In case of contradictory information the quotation or O/C applies.**