

Technical Standard Specification

Series: Water Advanced H2

Medium: Water up to 200°C

maximum external volume: 35 ltr at 200°C
81 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
- Pressure gauge for pressure to process and system pressure



Functional equipment electrical

- Smart Controller (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
100	116 kW	copper fin-tube heat exchanger in steel coat (Cu-Ni10Fe)	sealing cone DIN 3863/3870 G1/2 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 6091
Output rate (max.)	200 ltr/min
Pressure (max.)	8.0 bar
Motor capacity	5.5 kW
Construction	peripheral

Dimensions/weight/colours

Dimensions L/W/H:	1,365 mm x 505 mm x 1,350 mm (w/o connect.)	
Weight:	approx. 260 kg	
Colour:	case:	RAL 7035 light grey
	front door:	RAL 7016 anthacite grey

Connections

Circulating medium	flange DIN 2635 DN25 PN40 going downwards
Separate filling	sealing cone DIN 3863/3870 G1/2 external thread

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

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.