

Technical Standard Specification

Unit type: Water Advanced
WP4

Medium: Water up to 90°C/150°C
(Optional up to 180°C/200°C)

maximum external volume: 92 ltr at 90°C
31 ltr at 150°C
20 ltr at 180°C
14 ltr at 200°C

max. system pressure w/o system pressure at 90°C
6 bar plus pump pressure at 150°C
12 bar plus pump pressure at 180°C
20 bar plus pump pressure at 200°C

Funktionsausstattung hydraulisch

- Cooling and filling controlled by solenoid valve
- Configurable automatical filling via cooling water or separate connection (ex works cooling water inlet)
- Flow measurement by differential pressure
- Level monitoring by magnetic float switch
- Automatic temperature-dependent system closing (not for 90°C)
- Flow monitoring by recording surface temperature of heating rods and flow
- Bypass between to and from process with reduced cross-section
- Dirt trap in cooling water supply, filling connection and return line of circulating system
- Continuous bypass of heat exchanger by 3-way-motorvalve (WP4-180/200)
- System pressure monitoring by pressure transmitter in extension vessel (WP4-150/180/200) (only in combination with Smart Controller)
- Booster pump for filling (WP4-180/200, 150° optional)
- Saftey temp. limiter (STB) in heating and to process line (WP4-200)
- Manometer in to process line at backside of unit
- Medium circuit insulated (WP4-150/180/200)



Functional equipment electrical

- Smart Controller (7" touch display)
- Heating control by solid-state-relay
- Control cabinet IP54
- Heating capacity: According to order confirmation optional 9, 18 or 24 kW

General equipment

- Expansion vessel, heater and piping made of stainless steel
- Heating with Incolloy stainless steel tubular heaters
- Dirt trap (medium): 1.4408
- Unit ready for connection and mounted on castors, thereof 2 swivel castors with brakes

Cooling

Type	Capacity	Set-up	Connection cooling water
w/o	0	w/o	w/o
direct	120 kW	w/o heat exchanger	IG 1/2"
120	120 kW	Stainl.steel plate heat exchanger GBS200H IG 1/2"	

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.

Pumpe

	90° and 150°		180 and 200°	
	Standard	Reinforced	Standard	Reinforced
Output rate (max.)	73 ltr/min	73 ltr/min	73 ltr/min	73 ltr/min
Pressure (max.)	3,7 bar	7,5 bar	3,7 bar	6,0 bar
Motor capacity	0,75 kW	1,1 kW	0,75 kW	1,1 kW
Construction	centrifugal	centrifugal	centrifugal	centrifugal

Dimensions/weight/colours

Dimensions L/W/H: 1.300 mm x 485 mm x 1.090 mm
Weight: approx. 215 kg
Colour: case: RAL 7035 light grey
front door: RAL 7016 anthracite grey

Connections

Circulation medium IG 3/4"
Sep.filling IG 1/2"

- Subject to technical changes; latest update: April 19th, 2021; changed by C.Scheufele -

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.