

Technical Standard Specification



Series:	Compact WK4	Medium: Water
	WK4-(max. temperature)-(heating capacity)-(cooling capacity)	
maximum media temperature:	indirect cooled: 90°C, 150°C, 160°C	
maximum external volume:	15 ltr at 150°C 14 ltr at 160°C 37 ltr at 90°C	max. system pressure 6 bar + pump pressure at 150°C-vers. 8 bar + pump pressure at 160°C-vers.

Functional equipment hydraulic

- Cooling and filling controlled by solenoid valve
- Automatic filling via cooling water
- Filling changeable to separate connection (standard for unit w/o cooler)
- Bypass between to and from process with reduced cross-section
- Level monitoring by magnetic float switch
- Automatic temperature-dependent system closing (for 150°C and higher)
- Monitoring of to process pressure via manometer at backside of unit
- Flow monitoring by measuring surface temperature of heating rods, temperature fuse
- Dirt trap in cooling water supply, filling line and return line of circulating system
- Isolation of all heat carrying hydraulic components
- Booster pump (160°C and higher)



Functional equipment electrical

- Controller SBC-T (3,5"-touch display)
- Controller Smart Controller (7"-touch display)
incl. flow measurement and return run
optional
- Heating by SSR
- Control cabinet IP54
- heating power: 9 or 18 kW (at nominal voltage)

Allgemeine Ausstattung

- Corrosion-resistant components (stainless steel, brass)
- 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	---	---	w/o
80	80 kW	plate heat exchanger	15 l/min int. thread 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.

Pump

	90°C, 150°C-version	magnetically coupled 160°C-version
Typ	standard Y4081	standard CY4281
Output rate (max.)	60 ltr/min	57 ltr/min
Pressure (max.)	6,0 bar	6,0 bar
Motor capacity	0,75 kW	1,0 kW
Type		peripheral wheel

Dimensions/weight/colours

Dimensions L/W/H:	780 (w/o connections) x 305 x 705 mm (with Advanced-package L = 835 mm)
Weight:	72 kg to 90 kg, (depend. On features)
Colour:	case: RAL 7035 light grey front door: RAL 7016 anthracite grey

Connections

Circ. Medium:	int. thread 3/4"
Filling	int. thread 1/2"

- Subject to technical changes; latest update: Nov. 20th, 2019; changed by U.Hoferer -

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.