Technical Standard Specification



Series: Water Advanced NS

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

	maximal external volume	max. systemd pressure
bei 90°	103ltr	no system pressure, only pump pressure
bei 150°C	28 ltr	4 bar plus pump pressure
bei 180°C	14 ltr	9 bar plus pump pressure
direct cooling up to 90°	unlimited	pressure cooling water plus pump pressure

Functional equipment hydraulic

- Cooling and filling controlled by solenoid valve
- Flow metering according to principle of pressure difference (90°C: Eddy current principle) (no flow metering in Product Line "Base" or with Base-package)
- 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 and return line of circulating system
- Automatic filling via cooling water at 90°C and 150°C (via separate filling connection if w/o cooling)
- Separate automatic filling with dirt trap at 180°C (others: optional)
- For systems up to 90°C (for 150°C and 180°C: optional): additional manual filling via filling nozzle (switchable from manual to automatic); not for direct cooling



- Smart Controller (7" touch display)
 (Base-Package or Product Line "Base": SBC-T)
- Heating control by solid-state-relay
- Control cabinet IP54
- 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

Туре	Capacity	Set-up	Connection cooling water
w/o	0	w/o	w/o
direct	200 kW	without heat exchanger	hose nipple G3/4 (21 mm)
116 (90°C and 150°C)	116 kW	stainless steel plate heat exchanger	hose nipple G1/2 (14 mm)
215 (90°C and 150°C)	215 kW	stainless steel plate heat exchanger	hose nipple G3/4 (21 mm)
		stainless steel tube bundle heat	
65 (180°C)	65 kW	exchanger	sealing cone DIN 3863/3870 G3/4 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

	Standard	Reinforced
	CRI 5-6	CRI 5-11
Output rate (max.)	140 ltr/min	140 ltr/min
Pressure (max.)	4.0 bar	7.5 bar
Motor capacity	1.1 kW	2.2 kW
Construction	centrifugal	centrifugal

Dimensions/weight/colours

Dimensions L/W/H: 790 mm x 345 mm x 945 mm (w/o connect.)

(Pump 5-11 is approx. 5 mm higher than housing and looks out at the top)

Weight: approx. 140 kg

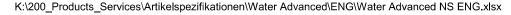
Colour: RAL 7035 light grey front door: RAL 7016 anthacite grey

Connections

Circulating medium 90°C/150°C: socket G1
180°C: sealing cone DIN 3863/3870
G1 ext.thread

Separate filling 90°C/150°C: hose nipple 14 mm
(opt. at 90°C / 150° 180°C: sealing cone DIN3863/3870
G3/8 ext.thread

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.



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