

SERIE
ZH
210°C

S.I.S.E.

OIL TEMPERATURE CONTROLLER



SPECIFICATIONS		ZH 18	ZH 30	ZH 45	ZH 60	ZH 75	
HEATING POWER		18 kW	30 kW	45 kW	60 kW	75 kW	
NUMBER OF HEATING STAGES		ZH --- 3	1	2	3	2	3
		ZH --- 4	1	1	2	2	2
PUMP	POWER (kW)	2,2	2,2	2,2	4	5,5	
	THROUGHPUT (l/min)*	117	117	117	333	666	
	PRESSURE (Bar)	2,7	2,7	2,7	2,4	2,4	
OIL OUTLET AND INLET PIPES		1"	1"	1"	DN50	DN50	
WATER INLETS AND COOLING PIPES		3,8"	3,8"	3,8"	3,8"	3,8"	
** COOLING POWER (kW)	OPTION e	50	50	50	50	50	
VOLUME (LITERS)		BOILER	17	47	47	45	59
		EXPANSION TANK	34	56	56	63	125
		MAX. EXTERNAL CIRCUIT	90	130	130	150	250
OVERALL DIMENSIONS (mm)		WIDTH	625	710	710	760	950
		DEPTH	850	900	900	1020	1180
		HEIGHT	1080	1550	1550	1550	1650
WEIGHT (Kg)		180	300	320	430	480	
MAXIMUM TEMPERATURE (°C) ***		210	210	210	210	210	

* Dynamic operating point

** Cooling power in kW at 200°C with 30 l/min of water per hour at 17°C.

ADDITIONAL SISE - PARMILLEUX BENEFITS

■ SAFE USE :

- Temperature controller and safety thermostat,
- Open thermocouple stops heating,
- Level sensor in the expansion tank,
- Expansion tank on all units,
- All our appliances are individually tested.
- Pump design to work up to 350°C

■ TECHNICAL ASSISTANCE :

- Our engineering department can carry out all necessary calculations in order to specify properly all technical data of the system (heating power, throughput, back pressure, surface for heat exchange on process...).
- Training for staff can be proposed (inter- or intra-company training periods).

■ USER-FRIENDLY :

- Heating and cooling from one setpoint,
- Automatic setting or self-tuning controller for P.I.D parameters
- Process temperature and setpoint display,
- Automatic Air-draining,
- Easy access for maintenance.

CODIFICATION

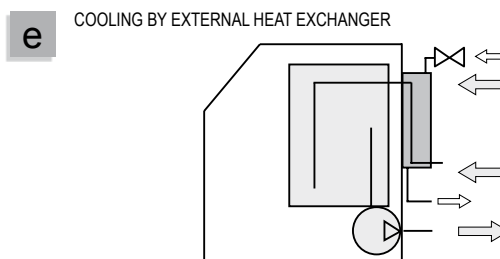
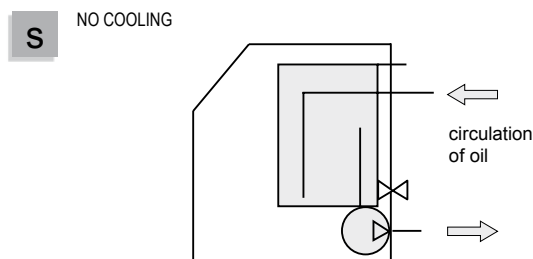
ZH	HEATING POWER	COOLING	LOCATION OF THE TEMPERATURE SENSOR	TYPE OF CONTROL
OIL TEMPERATURE CONTROLLERS	<ul style="list-style-type: none"> • 18 = 18 kW • 30 = 30 kW • 45 = 45 kW • 60 = 60 kW • 75 = 75 kW 	<p>s</p> <p>no cooling</p> <p>e</p> <p>cooling by external heat exchanger</p>	<p>1</p> <p>on oil (simple control)</p> <p>2</p> <p>on part or product to be heated with oil temperature threshold set via a second temperature controller (pseudo cascade control)</p>	<p>3</p> <p>controller with output relay (electromechanical contactors)</p> <p>4</p> <p>controller with logical output (static contactors)</p>

400 V 50Hz 3-phase without ground, other voltages and frequencies on request.

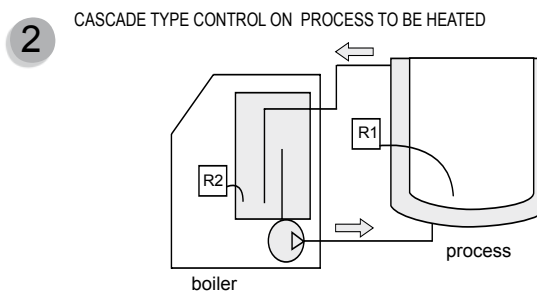
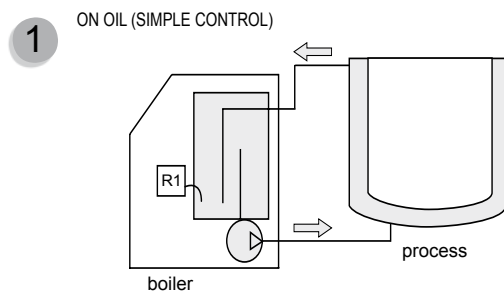
EXAMPLE

ZH 30-eh-24 : Oil temperature controller with heating power of 30 kW with cooling by heat exchanger - maximum temperature of 210°C - temperature sensor on the part or on the material to be heated - microprocessor temperature controller with a logical output to thyristor-type static contactors.

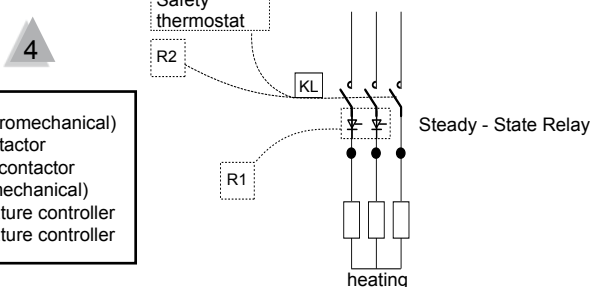
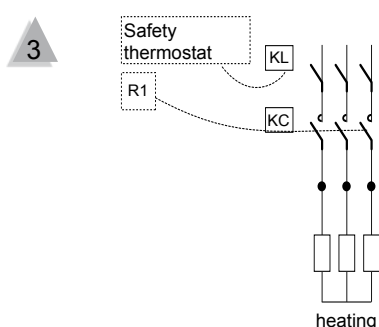
COOLING



LOCATION OF THE TEMPERATURE SENSOR



TYPE OF CONTROL



line contactor (electromechanical)
 KL : Line contactor
 KC : Heating contactor (electromechanical)
 R1 : Temperature controller
 R2 : Temperature controller

Parc Industriel Sud - Groissiat
 F - 01100 OYONNAX

Tél (33) 04.74.77.34.53 - Fax (33) 04.74.73.90.18
 e-mail sise@sise.fr web : www.sise.fr

