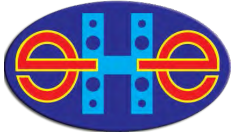


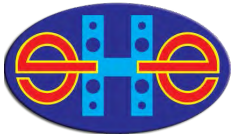
PWHT catalogue





Contents

Units / Control units	page 3 - 10	<ul style="list-style-type: none">- Heat treatment unit portable- Controlling unit- Inverter heat treatment with 3 circuits- Heat treatment unit with 6 circuits- Heat treatment unit with 12 circuits- Heat treatment special solution
Heating elements / Spar parts	page 11 - 17	<ul style="list-style-type: none">- Heating elements standart- Spreader elements- Special elements- One line heating cable- Two line heating element- Heating tapes- Magnetic preheater- Wraparound heater- Heating cassettes- Channel heater
Consumables	page 18 - 21	<ul style="list-style-type: none">- Insulation- Material to fix heating elements and insulation- Thermocouple wire- PUTTY
Measuring devices	page 22	<ul style="list-style-type: none">- Temperature regulator „EasyProg“- Temperature recorder with paper- Temperature recorder paperless- Temperature measuring device
Accessories	page 23 - 25	<ul style="list-style-type: none">- Double cable- Splitting cable- Compensating cable- Thermo connectables- Connectors DINSE and Camlok- Ceramic connector- Magnet for high temperature application
Technical devices	page 26 - 28	<ul style="list-style-type: none">- Fine point welder- Stud welding unit- tightening and cutting device- rockwool cutter
Additonal program	page 29	<ul style="list-style-type: none">- Gas burner- Infrared heating panel- Furnaces- Heat treatment units with special design
Service - und rental equipment	page 30	<ul style="list-style-type: none">- Heat treatment service- Rental equipment



portable heat treatment unit

Type	ST 11
Dimension WxHxD	160 x 370 x 400 mm
Weight	16 kg
Electrical rating	10,7 kW
Fuse external	32 A
Primary voltage	380 / 400 V
Secondary voltage	10 - 60 V
control circuits	1

I

Order Code: 01 - 02 - 02 - 02

The Inverter unit „ST 11“ for post weld heat treatment jobs on site or in production hall. With appr. 16 kg very flexible to use and easy to transport - perfect portable PWHT system !

Working mode is manual by hand or fully automatic control with build in regulator. The regulator is working with thermocouple NiCr-Ni type „K“ to control the heating process.

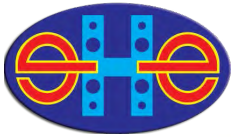
The display shows present (workpiece) temperature and set temperature or alternative secondary voltage (V) / ampere (A) - choosen by your personal.

Documentation of temperture by internal data logging function (REC) analysis by EXCEL.

In front of the Inverter „ST 11“ is additional thermo socket to connect seperate recorder for temperature measuring (for example paperless JUMO Logoscreen 500 digital recorder).

The power of 10,7 kW by 100% duty cycle. Forced cooling will be done by ventilators.

Mistakes, for example „short cut“ or „themoelement broken“ where shown in the display or by accustic signalisation. That allows your personal to react very fast in case of such mistakes.



portable heat treatment

Type	ST 11 L
Dimension WxHxD	160 x 370 x 400 mm
Weight	16 kg
Electrical rating	10,7 kW
Fuse external	32 A
Primary voltage	380 / 400 V
Sekundary voltage	10 - 60 V
Control circuits	1

I

Order Code: 01 - 02 - 02 - 01

The Inverter unit „ST 11 L“ power source for heat treatment jobs on site or in production hall. With appr. 16 kg very flexible to use and easy to transport - symple heating solution !

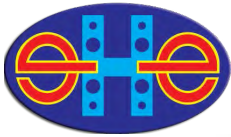
Working mode is manual by hand to press key - ON / OFF - and choose voltage between 10 V to 60 V . Display shows secondary voltage (V) and ampere (A) for the operator.

Alternative can be connect separet housing with temperature regulator „EasyProg“ and temperature recorder to control the heating process fully automatic (see page 3).

With signal transfer / prolongation it is possible to connect max. 9 Inverter „ST 11 L“ together. So it is possible for example with only one thermocouple to control preheating process with max. 9 pieces of Inverter power sources „ST 11 L“ .

The power of 10,7 kW by 100% duty cycle. Forced cooling will be done by ventilators.

Mistakes, for example „short cut“ where shown in the display or by accustic signalisation. That allows your personal to react very fast in case of such mistakes.



temperature control unit

Type	ST - GS
Dimension WxHxD	160 x 370 x 400 mm
Weight	appr. 8 kg
Input voltage	230 V
Regulator build in	„EasyProg“
Thermocouple	Typ „K“ NiCr-Ni
measuring range	0 - 1370 °C
Recorder build in	optionally

Order Code: 01 - 02 - 03 - 01

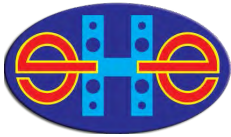
The temperature controlling unit „ST - GS“ to connect with the Inverter „ST11 L“ or any other power source you may have. In one housing can build in following parts:

1. example 1 pc. „EasyProg“ temperature regulator + 1 pc. recorder (digital or paper)
2. example 2 pc. „EasyProg“ temperature regulator
3. example 3 pc. „EasyProg“ temperature regulator
4. example 1 pc. recorder (digital or paper)

Just connect the thermocouple from the workpiece - by using compensating line - with this controlling / recording unit.

By using the power source „ST 11 L“ just connect the adaption cable and this system can be used as fully automatic for your heat treatment process.

Temperature controlling and measuring is very simple to do with this system. Documentation by recording all data can be easily realised. Connection of the control unit and program input for the „EasyProg“ is very simple to do for the operator.



heat treatment unit

Type	ST 66 - 6 - 4
Dimension DxHxW	500 x 1200 x 500 mm
Weight	appr. 125 kg
Electrical rating	66 kW
Fuse / power plug	6 x 32A
Primary voltage	380 / 400 V
Secondary voltage	10 - 60 V
Control circuits	6

I

Order Code : 01 - 02 - 04 - 02

Inverter heat treatment „ST 66“ includes 6 single power sources to be flexible at work.

Working mode can be manual by hand to press key - ON / OFF - and choose voltage between 10 V to 60 V or fully automatic by temperature regulator (build in or with separate housing).

Display shows secondary voltage (V) and ampere (A) for the operator.

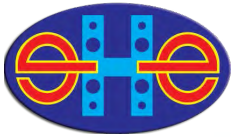
Temperature recording can be done by separate recorder with paper or digital paperless.

Power of 10,7 kW each unit by 100% duty cycle. Forced cooling will be done by ventilators.

Connection of several power sources with each other is possible by using signal transfer.

This system allows easy transport and flexible use of every part from the unit. The trolley makes it mobile with 3 - or 6 power sources together.

Mistakes, for example „short cut“ or „thermoelement broken“ where shown in the display or by acoustic signalisation. That allows your personal to react very fast in case of such mistakes.



heat treatment unit

Type	ST 33 - 3 - 4
Dimension WxHxD	500 x 850 x 600 mm
Weight	105 kg
Electrical rating	33 kW
Fuse external	63A
Primary voltage	380 / 400 V
Secondary voltage	10 - 60 V
Control circuits	3

I

Order Code: 01 - 02 - 04 - 01

Inverter heat treatment unit „ST 33“ has been robustly constructed for work on site or in production hall. The secondary power of electrical resistance can be used for heating elements from 10 V to 60 V .

Secondary output from the unit are 3 individual circuits for temperature control by „EasyProg“ regulator fully automatic or manual - ON / OFF - mode.

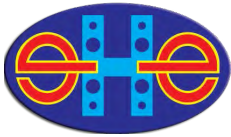
Documentation of the heating process can be done by digital paperless recorder or if requested by paper recorder.

The power of 33 kW by 100% duty cycle. Forced cooling will be done by ventilators.

Mistakes, for example „short cut“ or „thermoelement broken“ where shown in the display. That allows your personal to react very fast in case of such mistakes.

Compact and powerful heat treatment unit with easy programming, temperature visualization / recording that allows every operator uncomplicated work.

Weight of one unit is appr. 105 kg .



heat treatment unit

Width	1100 mm
High	1450 mm
Depth	900 mm
Primary voltage	380 V / 400 V
Secondary voltage	30 V / 60 V
Thermocouple	type „K“ NiCr-Ni
Temperature	0 - 1050 °C
Work mode	manual / automatic

mobil PWH

ST 50-6-3

18 heater 60 V
each unit

Order Code:
01 - 02 - 05 - 01

ST 70-6-4

24 heater 60 V
each unit

Order Code:
01 - 02 - 05 - 02

ST 82-6-5

30 heater 60 V
each unit

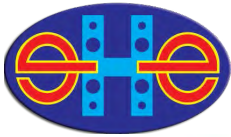
Order Code:
01 - 02 - 05 - 04

ST 98-6-6

36 heater 60 V
each unit

Order Code:
01 - 02 - 05 - 05

- Thermocouple-supervision / alarm function by optical signal (flexible flash light on the top of the unit)
- All amperemeter as indication for connected heating elements are illuminated
- Overheating protection for transformator (signalisation by red lamp back side of the unit)
- Forced aircooling of 4 independent working ventilators
- In case of short cut secundery side will come accustic siren as signalisation
- 3 phase 380 V / 400 V monitoring in front view to show primary power connection



heat treatment unit

Width	1100 mm
High	1450 mm
Depth	900 mm
Primary voltage	380 V / 400 V
Secondary voltage	30 V / 60 V
Thermocouple	Typ „K“ NiCr-Ni
Temperature	0 - 1050 °C
Work mode	manual / automatic

mobil PWH

ST 70 - 12 - 2

24 heater 60 V
each unit

Order Code: 01 - 02 - 05 - 03

ST 98 - 12 - 3

36 heater 60 V
each unit

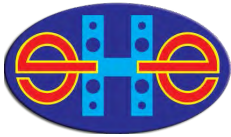
Order Code: 01 - 02 - 05 - 06

ST 130 - 12 - 4

48 heater 60 V
each unit

Order Code: 01 - 02 - 05 - 07

- Thermocouple-supervision / alarm function by optical signal (flexible flash light on the top of the unit)
- All amperemeter as indication for connected heating elements are illuminated
- Overheating protection for transformator (signalisation by red lamp back side of the unit)
- Forced aircooling of 4 independent working ventilators
- In case of short cut secundery side will come accustic siren as signalisation
- 3 phase 380 V / 400 V monitoring in front view to show primary power connection



heat treatment unit

Type	ST 292 - 9 - 3
Dimension DxHxW	900x1450x1100 mm
Weight	450 kg
Electrical rating	292 kW
Fuse	400 A
Primary voltage	2 x 380 / 400 V
Secondary voltage	230 V
Control circuits	9

Order Code : on request

The heat treatment unit „ST 292“ for pre and post heat treatment application.

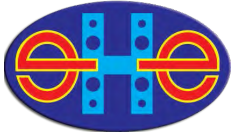
With 9 control circuits. Each of the 9 circuits may be controlled by „EasyProg“ regulator.

Visualisation of temperature curve and recording of temperature with built in temperature recorder (digital paperless or with paper).

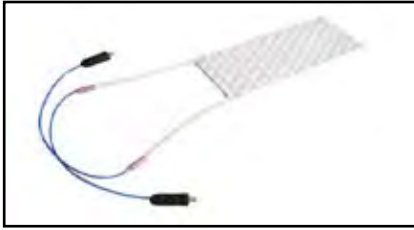
The unit provides power to electrical resistance heater connected to a 3-phase mains voltage electrical supply at 380 V / 400 V, 50/60 Hz.

Heating elements with 240 V can be connected to this heat treatment system.

- Thermocouple-supervision / alarm function by optical signal (flexible flash light on the top of the unit)
- Switch for every single phase usable in each circuit
- In case of short circuit secondary side will come acoustic siren as signalisation
- 3 phase 380 V / 400 V monitoring in front view to show primary power connection



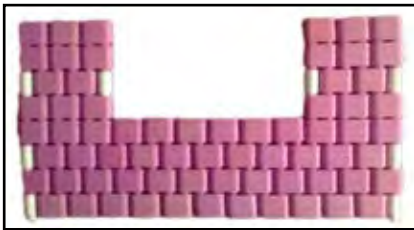
heating elements



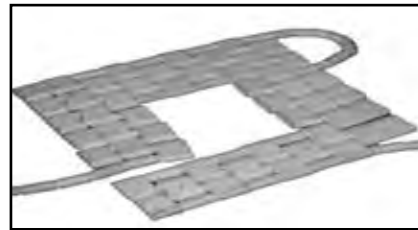
heating element

Material:

- high quality aluminium oxide ceramic (96%) Al_2O_3
- heating wire NiCr 80/20
- connection DINSE K25 System or Camlock 60 A



special heating element



special heating element



heating tapes



one-line heating cable



two-line heating cable



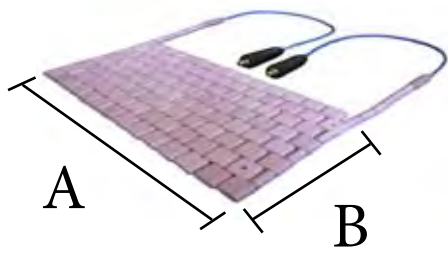
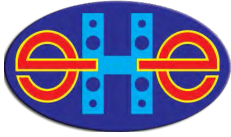
spreader heating element

All heating elements can be used to cover a wide range of applications - from a simple pipe welding seam up to a large boiler or vessel.

Hot / cold junction can be self repaired with special nickel connector.
Cold junction is burn protected with teflon cable (30 V = red, 60 V = blue).

Standard voltages: 30 V - 42 V - 60 V - 73 V - 84 V - 230 V
(different voltages on request possible)

max. workpiece temperature: 1050 °C

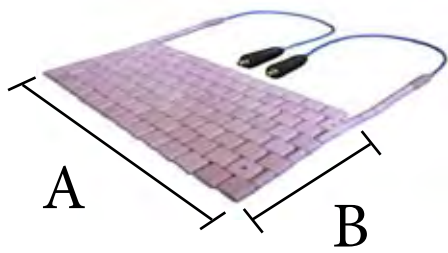
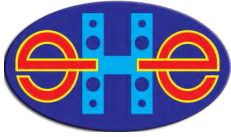


heating elements

Flexible heating elements to use for pre and post weld heat treatment jobs.
Heating elements with various dimension to use for all types of pipe and tank circumferential welds, flange welds, connecting piece welds and area heating.

example dimensions :

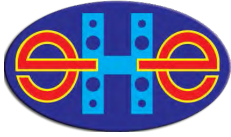
kW	V	A	dimension AxB	ceramic beads	Order Code:
1,35	30	45	50 x 525	2 x 25	03 - 01 - 01 - 30
1,35	30	45	50 x 545	2 x 26	03 - 01 - 02 - 30
1,35	30	45	50 x 565	2 x 27	03 - 01 - 03 - 30
1,35	30	45	75 x 360	3 x 17	03 - 01 - 04 - 30
1,35	30	45	75 x 380	3 x 18	03 - 01 - 05 - 30
1,35	30	45	100 x 235	4 x 11	03 - 01 - 06 - 30
1,35	30	45	100 x 255	4 x 12	03 - 01 - 07 - 30
1,35	30	45	100 x 275	4 x 13	03 - 01 - 08 - 30
1,35	30	45	100 x 295	4 x 14	03 - 01 - 09 - 30
1,35	30	45	125 x 195	5 x 9	03 - 01 - 10 - 30
1,35	30	45	125 x 215	5 x 10	03 - 01 - 11 - 30
1,35	30	45	125 x 235	5 x 11	03 - 01 - 12 - 30
1,35	30	45	150 x 150	6 x 7	03 - 01 - 13 - 30
1,35	30	45	150 x 175	6 x 8	03 - 01 - 14 - 30
1,35	30	45	150 x 195	6 x 9	03 - 01 - 15 - 30
1,35	30	45	175 x 125	7 x 6	03 - 01 - 16 - 30
1,35	30	45	175 x 150	7 x 7	03 - 01 - 17 - 30
1,35	30	45	175 x 175	7 x 8	03 - 01 - 18 - 30
1,35	30	45	200 x 105	8 x 5	03 - 01 - 19 - 30
1,35	30	45	200 x 125	8 x 6	03 - 01 - 20 - 30
1,35	30	45	200 x 150	8 x 7	03 - 01 - 21 - 30
1,35	30	45	225 x 105	9 x 5	03 - 01 - 22 - 30
1,35	30	45	225 x 125	9 x 6	03 - 01 - 23 - 30
1,35	30	45	255 x 85	10 x 4	03 - 01 - 24 - 30
1,35	30	45	255 x 105	10 x 5	03 - 01 - 25 - 30
1,35	30	45	280 x 85	11 x 4	03 - 01 - 26 - 30
1,35	30	45	280 x 105	11 x 5	03 - 01 - 27 - 30
1,35	30	45	305 x 85	12 x 4	03 - 01 - 28 - 30
1,35	30	45	330 x 85	13 x 4	03 - 01 - 29 - 30
1,35	30	45	355 x 85	14 x 4	03 - 01 - 30 - 30
1,35	30	45	380 x 65	15 x 3	03 - 01 - 31 - 30
1,35	30	45	405 x 65	16 x 3	03 - 01 - 32 - 30
1,35	30	45	430 x 65	17 x 3	03 - 01 - 33 - 30
1,35	30	45	455 x 65	18 x 3	03 - 01 - 34 - 30



heating elements

Flexible heating elements to use for pre and post weld heat treatment jobs.
Heating elements with various dimension to use for all types of pipe and tank circumferential welds, flange welds, connecting piece welds and area heating.

kW	V	A	dimension AxB	ceramic beads	Order Code:
2,7	60	45	50 x 1050	2 x 50	03 - 01 - 35 - 60
2,7	60	45	50 x 1075	2 x 51	03 - 01 - 36 - 60
2,7	60	45	50 x 1095	2 x 52	03 - 01 - 37 - 60
2,7	60	45	50 x 1115	2 x 53	03 - 01 - 38 - 60
2,7	60	45	50 x 1135	2 x 54	03 - 01 - 39 - 60
2,7	60	45	50 x 1155	2 x 55	03 - 01 - 40 - 60
2,7	60	45	75 x 715	3 x 34	03 - 01 - 41 - 60
2,7	60	45	75 x 735	3 x 35	03 - 01 - 42 - 60
2,7	60	45	75 x 760	3x 36	03 - 01 - 43 - 60
2,7	60	45	100 x 525	4 x 25	03 - 01 - 44 - 60
2,7	60	45	100 x 540	4 x 26	03 - 01 - 45 - 60
2,7	60	45	100 x 565	4 x 27	03 - 01 - 46 - 60
2,7	60	45	125 x 420	5 x 20	03 - 01 - 47 - 60
2,7	60	45	125 x 440	2 x 21	03 - 01 - 48 - 60
2,7	60	45	125 x 460	5 x 22	03 - 01 - 49 - 60
2,7	60	45	150 x 335	6 x 16	03 - 01 - 50 - 60
2,7	60	45	150 x 360	6 x 17	03 - 01 - 51 - 60
2,7	60	45	150 x 380	6 x 18	03 - 01 - 52 - 60
2,7	60	45	175 x 295	7 x 14	03 - 01 - 53 - 60
2,7	60	45	175 x 315	7 x 15	03 - 01 - 54 - 60
2,7	60	45	200 x 255	8 x 12	03 - 01 - 55 - 60
2,7	60	45	200 x 275	8 x 13	03 - 01 - 56 - 60
2,7	60	45	225 x 235	9 x 11	03 - 01 - 57 - 60
2,7	60	45	225 x 255	9 x 12	03 - 01 - 58 - 60
2,7	60	45	255 x 215	10 x 10	03 - 01 - 59 - 60
2,7	60	45	255 x 235	10 x 11	03 - 01 - 60 - 60
2,7	60	45	280 x 195	11 x 9	03 - 01 - 61 - 60
2,7	60	45	280 x 215	11 x 10	03 - 01 - 62 - 60
2,7	60	45	305 x 175	12 x 8	03 - 01 - 63 - 60
2,7	60	45	305 x 195	12 x 9	03 - 01 - 64 - 60
2,7	60	45	330 x 150	13 x 7	03 - 01 - 65 - 60
2,7	60	45	330 x 175	13 x 8	03 - 01 - 66 - 60
2,7	60	45	355 x 150	14 x 7	03 - 01 - 67 - 60
2,7	60	45	380 x 125	15 x 6	03 - 01 - 68 - 60



heating elements

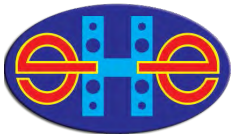


Flexible heating elements to use for pre and post weld heat treatment jobs.
Heating elements with various dimension to use for all types of pipe and tank circumferential welds, flange welds, connecting piece welds and area heating.

kW	V	A	dimension AxB	ceramic beads	Order Code:
2,7	60	45	380 x 150	15 x 7	03 - 01 - 69 - 60
2,7	60	45	405 x 135	16 x 6	03 - 01 - 70 - 60
2,7	60	45	430 x 105	17 x 5	03 - 01 - 71 - 60
2,7	60	45	430 x 125	17 x 6	03 - 01 - 72 - 60
2,7	60	45	455 x 105	18 x 5	03 - 01 - 73 - 60
2,7	60	45	455 x 125	18 x 6	03 - 01 - 74 - 60
2,7	60	45	480 x 105	19 x 5	03 - 01 - 75 - 60
2,7	60	45	510 x 105	20 x 5	03 - 01 - 76 - 60
2,7	60	45	535 x 85	21 x 4	03 - 01 - 77 - 60
2,7	60	45	535 x 105	21 x 5	03 - 01 - 78 - 60
2,7	60	45	560 x 85	22 x 4	03 - 01 - 79 - 60
2,7	60	45	560 x 105	22 x 5	03 - 01 - 80 - 60
2,7	60	45	585 x 85	23 x 4	03 - 01 - 81 - 60
2,7	60	45	610 x 65	24 x 3	03 - 01 - 82 - 60
2,7	60	45	610 x 85	24 x 4	03 - 01 - 83 - 60
2,7	60	45	635 x 85	25 x 4	03 - 01 - 84 - 60
2,7	60	45	660 x 65	26 x 3	03 - 01 - 85 - 60
2,7	60	45	660 x 85	26 x 4	03 - 01 - 86 - 60
2,7	60	45	685 x 65	27 x 3	03 - 01 - 87 - 60
2,7	60	45	710 x 65	28 x 3	03 - 01 - 88 - 60
2,7	60	45	735 x 65	29 x 3	03 - 01 - 89 - 60
2,7	60	45	760 x 65	30 x 3	03 - 01 - 90 - 60
2,7	60	45	785 x 65	31 x 3	03 - 01 - 91 - 60
2,7	60	45	810 x 65	32 x 3	03 - 01 - 92 - 60
2,7	60	45	835 x 65	33 x 3	03 - 01 - 93 - 60

Special dimension of heating elements on request possible.

We produce heating elements also for PWHT units from our competitors.



heating elements

heating element



spreader heating element

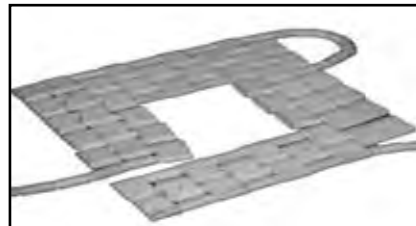


special heating element



on request

special heating element



on request

heating tapes



Order Code: 03 - 02 - 00 - 60

one-line heating cable



Order Code: 03 - 04 - 01 - 60

magnetic preheater 60 V



Order Code: 03 - 05 - 03 - 60

Magnetic preheater 30 V



Order Code: 03 - 05 - 03 - 30

channel heating element



on request

wraparound heater



on request

heating cassettes

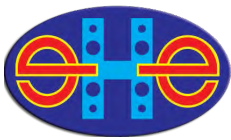


on request

Special solution for your project on request possible. Please send us your inquiry!

voltage 30 V - 42 V - 60 V - 84 V - 230 V

inquiry by email to info@sokoltherm.de



heating element spare parts

4700 main body bead



Order Code 04 - 01 - 00 - 01

4701 main body bead with hole



Order Code 04 - 01 - 00 - 02

4702 male end bead



Order Code 04 - 01 - 00 - 03

4704 female end bead



Order Code 04 - 01 - 00 - 04

4708 tail bead



Order Code 04 - 01 - 00 - 05

4394 olive bead



Order Code 04 - 01 - 00 - 07

4395 one-Line junction bead



Order Code 03 - 05 - 03 - 60

4397 tube bead



Order Code 04 - 01 - 00 - 06

Safety bead for teflon cable

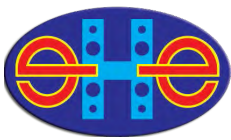


Order Code 04 - 01 - 00 - 09

Nickel - connector



Order Code 04 - 01 - 00 - 08



spare parts for heating elements

Teflon cable (cold part)



Order Code 04 - 01 - 00 - 10

Wire end ferrules



Order Code 04 - 01 - 00 - 13

Nickel wire (cold part)



Order Code 04 - 01 - 00 - 14

Special notching pliers



Order Code 04 - 01 - 00 - 12

Repair set of cold part

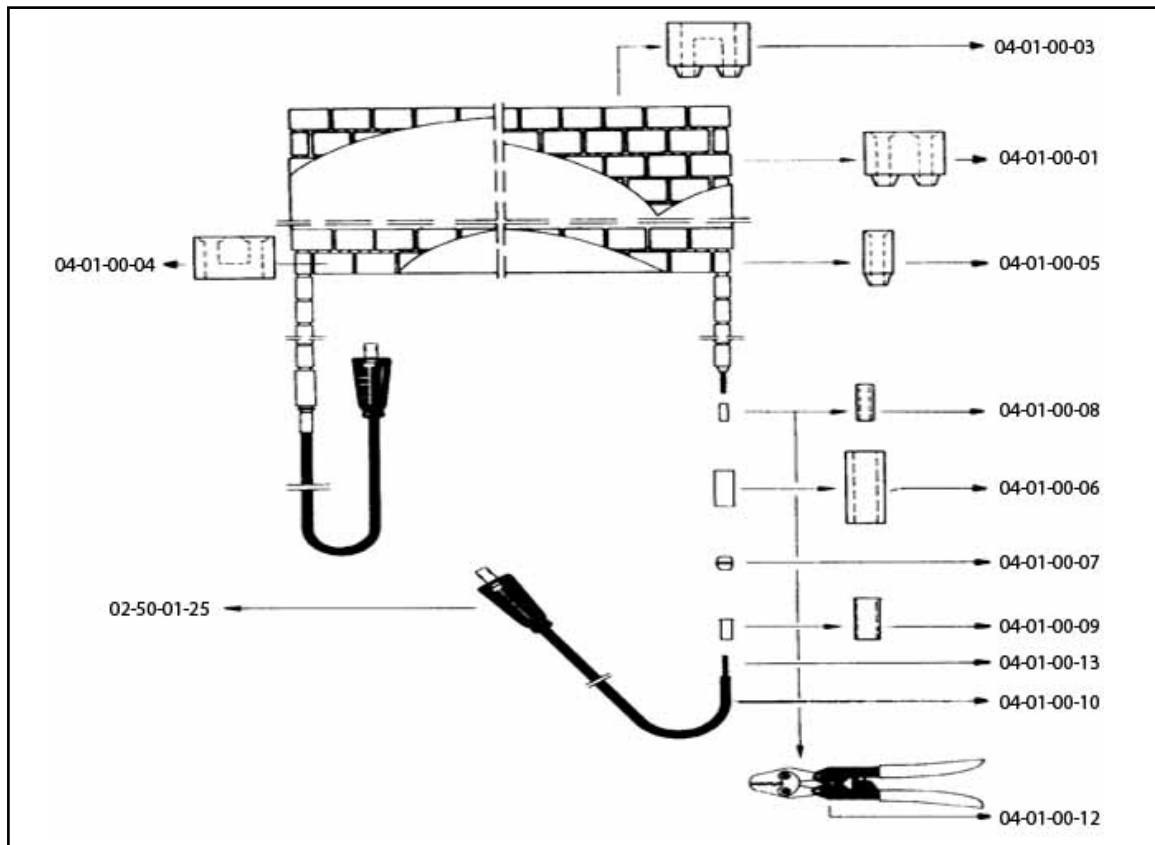


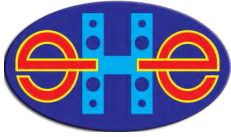
Order Code 04 - 01 - 00 - 15

Heating wire Ni/Cr, 80/20



Orde Code 04 - 01 - 00 - 11





consumables



ceramic fibre Insulation

ceramic fibre 128 kg/m³

Order Code

13 mm thick, 8,92 m²

06 - 01 - 00 - 13

25 mm thick, 4,46 m²

06 - 01 - 00 - 25

50 mm thick, 2,23 m²

06 - 01 - 00 - 50



ceramic fibre cord

ceramic fibre cord Ø 3mm

Order Code

200 m

06 - 05 - 00 - 01

Used to fix insulation around the pipe.



rock wool with wire mesh

rock wool with wire mesh

Order Code

50 mm

06 - 04 - 00 - 01

100 mm

on request



ceramic fibre fabric

ceramic fibre fabric

Order Code

910 mm width, 0,7 mm thick

06 - 05 - 00 - 03

910 mm width, 1,4 mm thick

06 - 05 - 00 - 04



Tygasil insulation

Tygasil, 12 mm thick

Order Code

500 x 300 mm

06 - 03 - 01 - 01

1000 x 300 mm

06 - 03 - 01 - 02

1500 x 300 mm

06 - 03 - 01 - 03

2000 x 300 mm

06 - 03 - 01 - 04

2500 x 300 mm

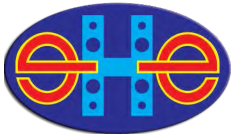
06 - 03 - 01 - 05

3000 x 300 mm

06 - 03 - 01 - 06

3500 x 300 mm

06 - 03 - 01 - 07



consumables



Tygasil - insulation

Many times usable insulation „TYGASIL“, delivery in width of 300 or 600 mm .

The max. length would be 7500 mm.

Delivery standard size of „TYGASIL“ are every 500 mm (see list of examples on this page).

Other dimension on request possible.

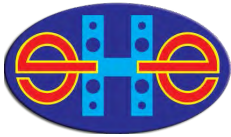
Thickness of „TYGASIL“ is 12 mm .

All ends are sawed with stainless steel thread.

Tygasil, 12 mm dick

Order Code

4000 x 300 mm	06 - 03 - 01 - 08
4500 x 300 mm	06 - 03 - 01 - 09
5000 x 300 mm	06 - 03 - 01 - 10
5500 x 300 mm	06 - 03 - 01 - 11
6000 x 300 mm	06 - 03 - 01 - 12
6500 x 300 mm	06 - 03 - 01 - 13
7000 x 300 mm	06 - 03 - 01 - 14
7500 x 300 mm	06 - 03 - 01 - 15
500 x 600 mm	06 - 03 - 02 - 01
1000 x 600 mm	06 - 03 - 02 - 02
1500 x 600 mm	06 - 03 - 02 - 03
2000 x 600 mm	06 - 03 - 02 - 04
2500 x 600 mm	06 - 03 - 02 - 05
3000 x 600 mm	06 - 03 - 02 - 06
3500 x 600 mm	06 - 03 - 02 - 07
4000 x 600 mm	06 - 03 - 02 - 08
4500 x 600 mm	06 - 03 - 02 - 09
5000 x 600 mm	06 - 03 - 02 - 10
5500 x 600 mm	06 - 03 - 02 - 11
6000 x 600 mm	06 - 03 - 02 - 12
6500 x 600 mm	06 - 03 - 02 - 13
7000 x 600 mm	06 - 03 - 02 - 14
7500 x 600 mm	06 - 03 - 02 - 15



consumables



Tightening straps

Tightening straps + locks

Order Code

tightening straps 16 x 0,5 mm
appr. 360 - 400 m
incl 400 locks

06 - 05 - 00 - 05



Locks

Locks

Order Code

Locks for tightening straps
400 pieces

06 - 05 - 00 - 06



Soft wire

Soft wire

Order Code

Wire to fix heating elements
or insulation, Ø 1,4 mm

06 - 05 - 00 - 15



Putty

Putty

Order Code

Thermocouple PUTTY
for hot junction

06 - 05 - 00 - 14



Thermocouple wire Typ „K“

Thermocouple wire Typ „K“ twisted, class fibre insulated

Order Code

2 x 0,5 mm²

02 - 30 - 05 - 00

2 x 0,7 mm²

02 - 30 - 07 - 00

2 x 1,0 mm²

02 - 30 - 10 - 00



consumables



Insulating clips

Insulating clips

- for pins Ø 2 mm

Order Code

05 - 06 - 01 - 08

System to fix heating elements and insulation on the workpiece by using pins and clips Ø 2 mm



Insulating pins

Insulating pins

- Ø 2 mm
- 100 mm long

Order Code

05 - 06 - 01 - 07

To use with SOKOL-THERM stud welding unit on page 28 !



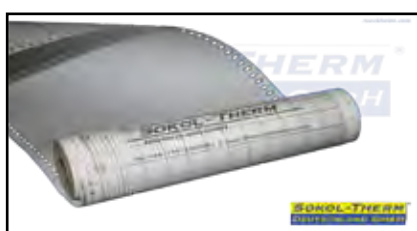
Mat hooks

Mat hooks

Order Code

Easy and fast way to use for connecting rockwool layers to tightly clamp sagging rockwool on large workpieces.

06 - 05 - 00 - 02



Paper by roll

Paper

Order Code

For temperature recorder using roll paper.

05 - 04 - 01 - 03

Suitable paper recorder to look up on page 22 !



Folding paper

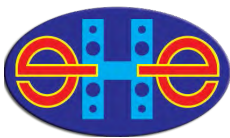
Paper

Order Code

For temperature recorder using folding paper

05 - 04 - 00 - 03

Suitable paper recorder to look up on page 22 !



measuring devices



Temperature regulator „EasyProg“

Order Code

- 16 programs storeable
- 16 steps in each program
- SET/ PRESENT temperature visualisation
- time of the heating process
- divergence of SET / PRESENT temperature
- alarm in case of broken thermocouple
- LCD display and 6 function keys only

05 - 07 - 00 - 01



Temperature recorder paperless

Order Code

- 6 channel digital recorder
- 12 channel digital recorder
- interpretation software for PC

05 - 03 - 06 - 01

05 - 03 - 12 - 02

05 - 03 - 00 - 01



Temperature recorder with paper

Order Code

- 6 channel recorder
- 12 channel recorder
- folding paper
- roll paper

05 - 02 - 06 - 01

05 - 02 - 12 - 01

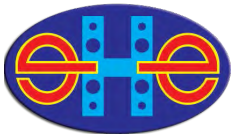
05 - 04 - 00 - 03

05 - 04 - 01 - 03



On request we can supply temperature recorder and necessary accessories of following company:
JUMO, CHINO, Fuji, Yokogawa, Eurotherm and some other manufacturer.

email to: info@sokoltherm.de



double cable



splitting cable



compensating cable yellow



compensating cable green



compensating cable special

accessories

double cable, 25 m long

Order Code

6 mm ²	02 - 01 - 06 - 25
16 mm ²	02 - 02 - 16 - 25
25 mm ²	02 - 03 - 25 - 25
35 mm ²	02 - 04 - 35 - 25
50 mm ²	02 - 05 - 50 - 25
70 mm ²	02 - 06 - 70 - 25
95 mm ²	02 - 07 - 95 - 25

splitting cable 6 mm², 3 m long

Order Code

2-way	02 - 20 - 03 - 02
3-way	02 - 20 - 03 - 03
4-way	02 - 20 - 03 - 04
5-way	02 - 20 - 03 - 05
6-way	02 - 20 - 03 - 06

Other length on request !

compensating cable 2 x 1,5 mm²

Order Code

5 m	02 - 30 - 15 - 05
10 m	02 - 30 - 15 - 10
15 m	02 - 30 - 15 - 15
20 m	02 - 30 - 15 - 20
25 m	02 - 30 - 15 - 25

Other length on request !

compensating cable 2 x 1,5 mm²

Order Code

5 m	on request
10 m	on request
15 m	on request
20 m	on request
25 m	on request

Other length on request !

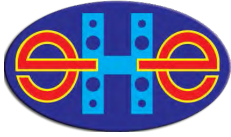
compensating cable 2 x 1,5 mm²

Order Code

25 m	on request
------	------------

Core insulation and outer sheath
made of silicone rubber.

Operating temperature of insulation -25°C to +180°C



accessories



Thermo connectables

Thermo connectables

Order Code

Thermocouple socket

02 - 50 - 05 - 03

Thermocouple plug female

02 - 50 - 05 - 02

Thermocouple plug male

02 - 50 - 05 - 01



DINSE System

Plug DINSE System

Order Code

plug male 25 - 50 mm²

02 - 50 - 01 - 25

plug male 50 - 70 mm²

02 - 50 - 01 - 50

plug male 70 - 95 mm²

02 - 50 - 01 - 70

plug female 25 - 50 mm²

02 - 50 - 02 - 25

plug female 50 - 70 mm²

02 - 50 - 02 - 50

plug female 70 - 95 mm²

02 - 50 - 02 - 70



Camlock System

Plug Camlock System

Order Code

plug male 60 A

02 - 50 - 01 - 01

plug male 300 A

02 - 50 - 01 - 03

plug female 60 A

02 - 50 - 02 - 02

plug female 300 A

02 - 50 - 02 - 04



Ceramic connector

Ceramic connector

Order Code

connection terminal ceramic
2-pole

02 - 50 - 05 - 04

For the junction of thermo wire
and compensating cable.



Plastic connector

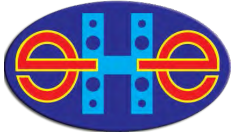
Plastic connector

Order Code

connection plastic
1-polig

02 - 50 - 05 - 05

Connection without any special
tool possible, just „click“ and ready!



accessories



Connector socket

Connector socket

Order Code

- connector socket K70

02 - 50 - 03 - 70

Spare panel mounted connector socket for repair PWHT unit.



Temperature resistant magnet

Magnet

Order Code.

- for temperatur up to 200 °C

on request

- for magnetic preheater



High temperature magnet

Magnet

Order Code

- for temperature up to 450 °C

04 - 02 - 00 - 01

- for magnetic preheater



Double bracket magnetic clamp

magnetic clamp

Order Code

- special magnetic brackets

on request



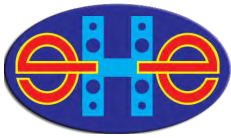
Flat head screw

flat head screw set

Order Code

- stainless steel
flat screw
wing nut
spring plate

04 - 02 - 00 - 10



technical devices



Order Code

FPU 100

05 - 06 - 00 - 01

Fine point unit FPU 100

- manual by hand or with automatic
- work mode with voltage 230 V or with standart akku / battery AA
- incl. external charging station for akku AA
- LED monitoring for working mode
- choose + / - for discharge energy
- with protection leather bag
- for thermo wire up to Ø 1 mm



Order Code

FPU 200

05 - 06 - 00 - 03

Fine point unit FPU 200

- manual by hand or with automatic
- - work mode with voltage 230 V or with standart akku / battery AA
- LED monitoring for working mode
- choose + / - for discharge energy
- with protection leather bag
- for thermowire up to Ø 2 mm



Order Code

FPU 400 STAT

on request

Fine point unit FPU 400 STAT

- manual by hand or with automatic
- working mode with 230 V
- LED display
- choose + / - for discharge energy
- for thermowire up to Ø 4 mm



technical devices



carriage for tightening straps

Order Code

- Easy transport of tightening straps reel off in the carriage.
- With practical place to keep locks and universal tightening tool.

06 - 05 - 00 - 10



tightening and cutting device „SO-MEX“

Order Code

- tool for cutting and tightening the tightening straps.

06 - 05 - 00 - 16



tightening and cutting device„RONDOFIX“

Order Code

- tool for cutting and tightening the tightening straps.

06 - 05 - 00 -08



tightening and cutting device„BAND-IT“

Order Code

- tool for cutting and tightening the tightening straps.

06 - 05 - 00 - 09

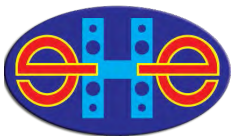


Special rock wool cutter

Order Code

- perfect device for cutting rock wool in wire mesh or ceramic fibre insulation

06 - 05 - 00 - 07

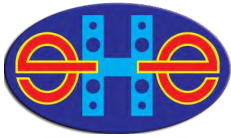


Order Code	
Stud welding unit, complete	05 - 06 - 00 - 02
Insulation pins Ø 2 mm, 100 mm long	05 - 06 - 01 - 07
Clips for pins Ø 2 mm	05 - 06 - 01 - 08
Technical data:	
welding range	Ø 2-8 mm
welding material	steel, stainless steel, aluminium, brass
welding method (acc. DIN EN ISO 14555)	capacitor discharge
mains plug	earth contact plug acc. to DIN 49441
main supply	230 V (+/- 10%), 2 A, 50/60 Hz (convertable to 115 V (+/- 10%), 4 A, 50/60 Hz)
protection	IP 21
dimension (WxHxD)	195x260x400 mm
weight	11 kg

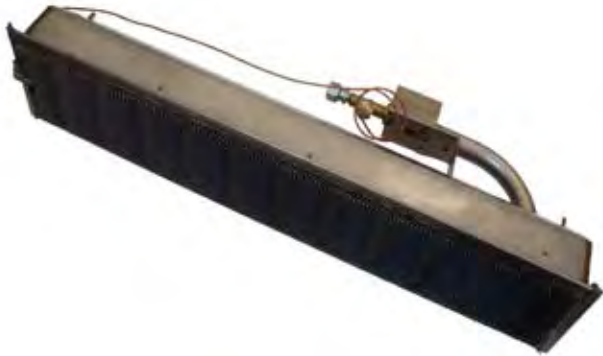
Compact stud welding unit for capacitor stud welding. Easy operation and high quality welding. Extremely short charging times and thus quick welding sequences possible.

The robust construction ensures high reliability and high power - on time.

All functions are indicated by clearly arranged LED. Charging voltage is adjustable.



Gas-burner



Infrared panel



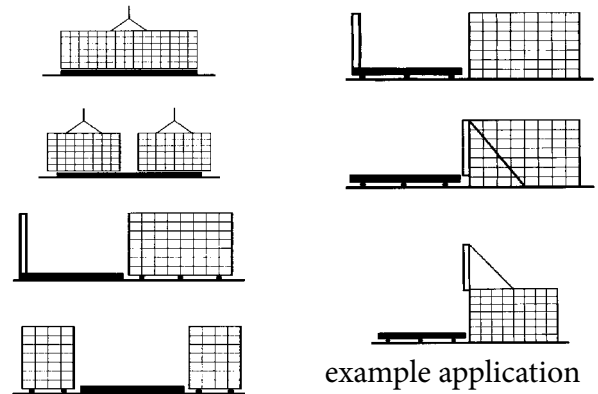
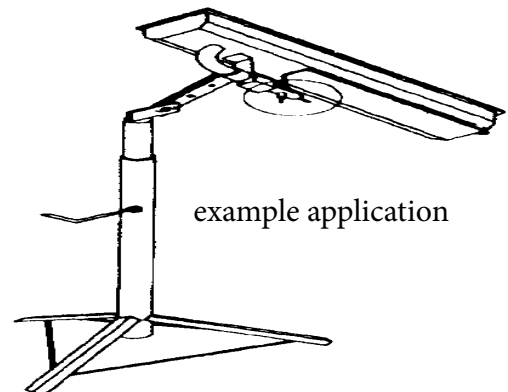
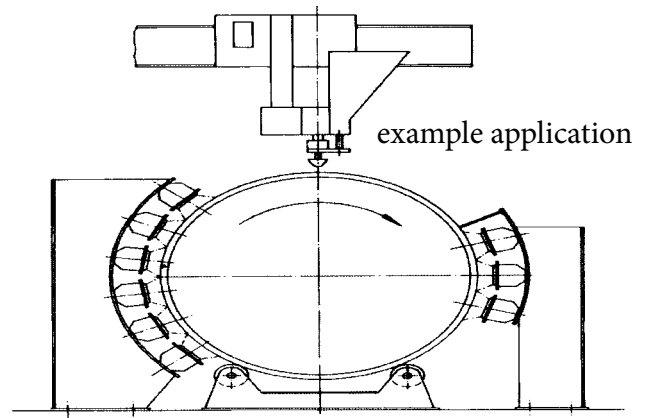
furnace



special solution



additional program



We supply Gas-burner, Infrared heating panel and furnaces suitable to your requested project.

On request we deliver self contained heat treatment unit mounted on truck or trailer with following possibilities:

- with generator 380 V / 400 V
- heatable room for workers
- air conditioned
- built in storage for accessories / consumables
- a.s.o.

inquiry by email to: info@sokoltherm.de