

## Straight Coil Heater 750°C

Straight coil heaters are developed for small dimension metallic pipe heating. IHP's Straight coil heaters are manufactured in stainless steel. We offer several different power classes so that you can choose the unit that suits your pipe best. By equipping the heater with an internal thermocouple, we create a heater with excellent temperature control, which makes a higher life expectancy in the heating product.

You can easily combine the heater with IHP's thermal control unit [Control cabinet PID](#) and together they make a complete heating system. The control unit holds amounts of intelligence that come in handy when you need precise heating, ramp functionality, adjustable maximum temperature, program steps with ramp and set point or only when you need temperature control that is CE marked and approved.

The straight coil heater can be mounted under a pipe or be spiralized on the pipe depending on pipe diameter and customized needs. Note that once you have spiralized the heater it will not handle new bends well after the first heating.

IHP can also help with installation and preventive maintenance.



### Technical specification

Material: Stainless steel AISI321

Section:  $\varnothing$ 3 mm

PTFE insulated nickel lead wires length: 1000 mm

Leads protection: silicone protection tube

Leakage Current (cold): < 0,5 mA

Wattage tolerance: +5% -10%

Resistance tolerance: +10% -5%

Dielectric Strength: 1000 V

Insulation (cold 1000Vcc): > 10 M $\Omega$

Voltage: 230V

Maximum sheath temperature of heating element: 750°C

Maximum cable temperature: 260°C

Minimum bending radius (internal): 8 mm

Minimum Quantity: 10 pcs per IHP Part

### Standard range

Article number	Sensor TC J (Fe-CuNi)	Dimensions	Heated Length	Voltage	Power
190-520300200150	Yes	$\varnothing$ 3x200mm	160mm	230V	150W
190-520300250175	Yes	$\varnothing$ 3x250mm	210mm	230V	175W

190-520300300200	Yes	Ø3x300mm	260mm	230V	200W
190-520300350225	Yes	Ø3x350mm	310mm	230V	225W
190-520300400250	Yes	Ø3x400mm	360mm	230V	250W
190-520300450290	Yes	Ø3x450mm	410mm	230V	290W
190-520300500330	Yes	Ø3x500mm	460mm	230V	330W
190-520300600400	Yes	Ø3x600mm	560mm	230V	400W
190-520300700470	Yes	Ø3x700mm	660mm	230V	470W
190-520300800550	Yes	Ø3x800mm	760mm	230V	550W
190-520300900620	Yes	Ø3x900mm	860mm	230V	620W
190-520301000700	Yes	Ø3x1000mm	960mm	230V	700W

### Technical specification

Material: Stainless steel AISI321

Section: 4,3 x 2,2 ±0,1mm

PTFE insulated nickel lead wires length: 1000 mm

Leads protection: silicone protection tube

Leakage Current (cold): < 0,5 mA

Wattage tolerance: +5% -10%

Resistance tolerance: +10% -5%

Dielectric Strength: 1000 V

Insulation (cold 1000Vcc): > 10 MΩ

Voltage: 230V

Maximum sheath temperature of heating element: 750°C

Maximum cable temperature: 260°C

Minimum bending radius (internal): 12 mm

Minimum Quantity: 10 pcs per IHP Part

### Standard range

Article number	Sensor TC J (Fe-CuNi)	Length (L)	Heated Length	Voltage	Power
190-520220250200	Yes	250mm	210mm	230V	200W
190-520220300225	Yes	300mm	260mm	230V	225W
190-520220350250	Yes	350mm	310mm	230V	250W
190-520220400290	Yes	400mm	360mm	230V	290W
190-520220450330	Yes	450mm	410mm	230V	330W
190-520220500400	Yes	500mm	460mm	230V	400W
190-520220600470	Yes	600mm	560mm	230V	470W
190-520220600550	Yes	700mm	660mm	230V	550W
190-520220800620	Yes	800mm	760mm	230V	620W
190-520220900700	Yes	900mm	860mm	230V	700W
190-520221000800	Yes	1000mm	960mm	230V	800W
190-520221200950	Yes	1200mm	1160mm	230V	950W
190-520221401100	Yes	1400mm	1360mm	230V	1100W
190-520221601200	Yes	1600mm	1560mm	230V	1200W

## Technical specification

Material: Stainless steel AISI321

Section: 6,0 x 4,0 ±0,15mm

PTFE insulated nickel lead wires length: 1000 mm

Leads protection: silicone protection tube

Leakage Current (cold): < 0,5 mA

Wattage tolerance: +5% -10%

Resistance tolerance: +10% -5%

Dielectric Strength: 1000 V

Insulation (cold 1000Vcc): > 10 MΩ

Voltage: 230V

Maximum sheath temperature of heating element: 750°C

Maximum cable temperature: 260°C

Minimum bending radius (internal): 24 mm

Minimum Quantity: 10 pcs per IHP Part

## Standard range

Article number	Sensor TC J (Fe-CuNi)	Length (L)	Heated Length	Voltage	Power
190-520640800800	Yes	800mm	760mm	230V	800W
190-520641001000	Yes	1000mm	960mm	230V	1000W
190-520641251200	Yes	1250mm	1210mm	230V	1200W
190-520641501400	Yes	1500mm	1460mm	230V	1400W
190-520641751600	Yes	1750mm	1710mm	230V	1600W
190-520642001800	Yes	2000mm	1860mm	230V	1800W
190-520642252000	Yes	2250mm	2210mm	230V	2000W
190-520642502200	Yes	2500mm	2460mm	230V	2200W



IHP International Heating Products AB

Hällebergsvägen 5, SE-443 60 Stenkullen, Sweden

Telefon: +46 (0)31 795 30 30 - Fax: +46 (0)31 795 30 39

Hemsida: [www.ihp.se](http://www.ihp.se) - E-post: [info@ihp.se](mailto:info@ihp.se) - Org. Nr. 556689-7327 - VAT Nr. SE556689732701

Bank: SEB Skandinaviska Enskilda Banken AB - Företaget innehar F-skattesedel