

## COILHEATERS

### Coil heaters

Coil heaters from HSCO are designed to meet various heating demands.

Its flexibility allows it to be coiled, formed or wrapped around pipes or active process applications. The heater can be formed into a compact, coiled nozzle heater supplying a full 360° of heat with optional distributed wattage. A straight cable heater can snake through an equipment application. Flat spiral configurations can be used in high-tech manufacturing while a star wound cable can be used for air and gas heating.

Coil heaters are commonly used for nozzle heating on hot runner systems in the plastic industry but also used for the packaging industry etc..



### Applications examples

- Air heating
- Cast-in heaters
- Heating in a vacuum environment
- Hot metal forming dies and punches
- Laminating and printing presses
- Medical, analytical and scientific instruments
- Plastic injection molding nozzles
- Restaurant and food processing equipment
- Sealing and cutting bars
- Semiconductor manufacturing and wafer processing
- Textile manufacturing



### Profiles

- RH17 1,8 x 3,2mm
- RH32 3 x 3 ±0,15mm
- RH38 ø3,8mm
- RH42 2,3 x 4,3mm
- RH57 5 x 7,0mm



### Technical specification

Wattage variation	10%
Dielectric strength (cold condition)	800V
Insulation	5MΩ
Max working temperature allowed on sheath	750°C
Leakage current (cold condition)	5mA at 253VAC
PTFA Standard leads	1000mm

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### Technical data for Coil heater HSC017

Coil heater	Rectangular cross section 1,8 x 3,2 mm
Heated Zone	See table below
Voltage	230V
Anslutning	Axial, radial eller tangentiell
Unheated zone	50mm
Connection head	25mm

Wattage at 230V (W)	Heated Zone (mm)	Length (mm)
175	210	260
200	260	310
250	360	410
290	410	460
350	460	510
400	560	610
470	660	710
620	860	910
700	960	1010

### Technical data for Coil heater HSC032

Coil heater	Rectangular cross section 3 x 3 ±0,15mm
Heated Zone	See table below
Voltage	230V
Anslutning	Axial, radial eller tangentiell
Unheated zone	65mm
Connection head	25mm

Wattage at 230V (W)	Heated Zone (mm)	Length (mm)
175	200	250
200	250	315
225	280	345
250	335	400
290	385	450
350	460	525
400	520	582

Wattage at 230V (W)	Heated Zone (mm)	Length (mm)
470	600	665
620	760	825
700	935	1000
850	935	1000
950	1135	1200
1100	1335	1400
1200	1535	1600



### Technical data for Coil heater HSC038

Coil heater	ø3,8mm
Heated Zone	See table below
Voltage	230V
Anslutning	Axial, radial eller tangentiell
Unheated zone	65mm
Connection head	30mm

Wattage at 230V (W)	Heated Zone (mm)	Length (mm)
175	200	250
200	250	315
225	280	345
250	335	400
290	385	450
350	460	525
400	520	582
470	600	665
620	760	825
700	935	1000
850	935	1000

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950	1135	1200
1100	1335	1400
1200	1535	1600

### Technical data for Coil heater HSC042

Coil heater	Rectangular cross section 2,3 x 4,3mm
Heated Zone	See table below
Voltage	230V
Anslutning	Axial, radial eller tangentiell
Unheated zone	65mm
Connection head	25mm

Wattage at 230V (W)	Heated Zone (mm)	Length (mm)
175	200	250
200	250	315
225	280	345
250	335	400
290	385	450
350	460	525
400	520	582
470	600	665
620	760	825
700	935	1000
850	935	1000
950	1135	1200
1100	1335	1400
1200	1535	1600

### Technical data for Coil heater HSC057

Coil heater	Rectangular cross section 5 x 7,0mm
Heated Zone	See table below
Voltage	230V
Anslutning	Axial, radial eller tangentiell
Unheated zone	65mm
Connection head	25mm

Wattage at 230V (W)	Heated Zone (mm)	Length (mm)
400	335	400
600	535	600
800	735	800
1100	935	1000
1400	1135	1200
1650	1335	1400
1800	1435	1600
2250	1735	1800
2500	1935	2000

### Connection options for all coil heaters

1000 mm tefloniserade ledare med metall fläta, metalltub eller glasfiberarmerad strumpa samt jordkabel

### Options

- Coiled together
- Meander
- Different heating zones
- Spiral

### Other options

- With or without thermocouple type "J" or "K"
- Special made after requirements

