

Heater Products

NEW!
Made to Order
Cartridge Heaters



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Coil Heater Features



- OEM Replacements
- One day quote turnaround
- Internal type J thermocouple available
- Standard leads: 48" length, Teflon™ insulated (rated to 500°F)
- Wide variety of exit variations available
- Bendable cold section
- Coil from stock standard profile:
Width 2.5 mm, Length 3.5 mm
- Made in the U.S.A.
- Options:
 - Sheaths
 - OD Pressed on sheath available
 - With tab
 - Without tab
 - Lead protection
 - Fiberglass sleeve (Green)
 - Braided metal sleeve
 - Armor cable
 - Lead options
 - Teflon™ (standard)
 - Ground Wire available

Wind from Stock Coil Heaters Options



Leads

Fiberglass
(Standard)



Fiberglass
(High Temp)



Teflon®



Teflon®
(High Amperage)



Leads Protection

Fiberglass Sleeve



Braided Metal Sleeve



Armor Cable



Gas Proof



Exit Styles



Exit 1



Exit 2



Exit 3



Exit 4



Exit 5



Exit 6



Exit 7



Exit 8

Flexible Tubular Heater Features



- OEM Replacements
- User formable
- Shipped in easy to install straight lengths in 50 mm increments
- Fast and efficient heat transfer
- Same day shipment available
- Made in the U.S.A.

Diameters available	Lengths available
8.0 mm	300 mm - 2100 mm
8.5 mm	300 mm - 1500 mm

- Connection Options:
 - Standard M4 threaded connection with two nuts
 - Ceramic insulated connector for quick disconnect
 - Other connection options available

Flexible Tubular Heater Installation Tools

Tubular heater installation tools make the installation process faster and easier and assures proper seating while optimizing heat transfer

Tool	Part Number
Hammer	TH-HAMMER
Staker	TH-STAKER
Forming Tool	TH-FORM
Ceramic Connector	PLUGNHEAT





Flexible Tubular Manifold Heaters

Length	Heated Length	8.0 mm Ø Groove (8.2 mm Heater) Min. bending radius 10 mm Groove tolerances 7.95 +/- 0.1 mm		8.5 mm Ø Groove (8.7 mm Heater) Min. bending radius 10 mm Groove tolerances 8.45 +/- 0.1 mm	
		8.0 mm Item #	Watts	8.5 mm Item #	Watts
300 mm	240 mm	TH80-0300	560W	TH85-0300	650W
350 mm	290 mm	TH80-0350	675W	TH85-0350	750W
400 mm	340 mm	TH80-0400	795W	TH85-0400	900W
450 mm	390 mm	TH80-0450	910W	TH85-0450	1050W
500 mm	440 mm	TH80-0500	1025W	TH85-0500	1150W
550 mm	490 mm	TH80-0550	1145W	TH85-0550	1300W
600 mm	540 mm	TH80-0600	1260W	TH85-0600	1450W
650 mm	590 mm	TH80-0650	1380W	TH85-0650	1600W
700 mm	640 mm	TH80-0700	1495W	TH85-0700	1750W
750 mm	690 mm	TH80-0750	1615W	TH85-0750	1900W
800 mm	740 mm	TH80-0800	1730W	TH85-0800	2050W
850 mm	790 mm	TH80-0850	1845W	TH85-0850	2200W
900 mm	840 mm	TH80-0900	1960W	TH85-0900	2350W
950 mm	890 mm	TH80-0950	2080W	TH85-0950	2500W
1000 mm	940 mm	TH80-1000	2195W	TH85-1000	2650W
1050 mm	990 mm	TH80-1050	2316W	TH85-1050	2800W
1100 mm	1040 mm	TH80-1100	2430W	TH85-1100	2930W
1150 mm	1090 mm	TH80-1150	2545W	TH85-1150	3060W
1200 mm	1140 mm	TH80-1200	2665W	TH85-1200	3190W
1250 mm	1190 mm	TH80-1250	2780W	TH85-1250	3320W
1300 mm	1240 mm	TH80-1300	2895W	TH85-1300	2450W
1350 mm	1290 mm	TH80-1350	3015W	TH85-1350	2580W
1400 mm	1340 mm	TH80-1400	3130W	TH85-1400	3600W
1450 mm	1390 mm	TH80-1450	3245W	TH85-1450	3600W
1500 mm	1440 mm	TH80-1500	3365W	TH85-1500	3600W
1550 mm	1490 mm	TH80-1550	3480W		
1600 mm	1540 mm	TH80-1600	3600W		
1650 mm	1590 mm	TH80-1650	3600W		
1700 mm	1640 mm	TH80-1700	3600W		
1750 mm	1690 mm	TH80-1750	3600W		
1800 mm	1740 mm	TH80-1800	3600W		
1850 mm	1790 mm	TH80-1850	3600W		
1900 mm	1840 mm	TH80-1900	3600W		
1950 mm	1890 mm	TH80-1950	3600W		
2000 mm	1940 mm	TH80-2000	3600W		
2050 mm	1990 mm	TH80-2050	3600W		
2100 mm	2040 mm	TH80-2100	3600W		

Flexible Tubular Manifold Heater Installation



Step 1.

Determine and mark the midpoint of the manifold groove length on the manifold. Determine and mark the center point of the flexible heater. Start at the midpoint of the groove in the manifold and use the forming tool to bend the heater, starting at the center point of the heater, consistent with the manifold groove shape.



Step 2.

Hold the heater directly above the manifold groove, aligning both the heater center point and the manifold groove midpoint. Strike the heater hard to seat it in the groove.



Step 3.

Form and install 1"-2" (25 -50mm) short sections of the heater at a time to prevent the need to re-bend the heater. It is important to make sure the heater is directly above the manifold groove before striking. For best results pre-form the heater as precisely as possible before installing in the manifold groove.



Step 4.

Keep the heater flat with one hand while using the forming tool with your free hand to shape and bend the heater. All bends should be positioned directly above the manifold groove before striking the heater.



Step 5.

Using a single strong strike is better than multiple soft strikes when inserting the heater in the groove. If your groove dimensions are correct you will not damage the internal heater.



Step 6.

After the entire heater is firmly positioned in the manifold groove, use the staking tool to seat the heater in the groove by staking the heater every $\frac{3}{4}$ " (20mm). Using the staking tool to seat the heater will improve heat transfer and improve heater life.

NEW!

Made to order - Cartridge Heaters



Cartridge Heater Features



- Standard stainless steel sheath for improved corrosion resistance
- OEM replacements (*made to order*)
- Swaged (highly compacted) to size
- Up to 33% extended heater life
- Up to 100" lengths
- Type J and K thermocouples available
- Variety of exit styles available
- Moisture resistant options available
- Incoloy sheath available
- Removal aids available
- Stainless NPT available
- Made in the U.S.A.



Technical support available at (800) 521-0546 or by e-mail at hotrunners@pcs-company.com

NEW!

Cartridge Heater Options



Leads

Fiberglass
(Standard)



Fiberglass
(High Temp)



Silicone



Silicone
Cable



Teflon®



Teflon®
(High Amperage)



Leads Protection

Fiberglass Sleeve



Braided Metal Sleeve



Armor Cable



Gas Proof



Exit & Removal

Right Angle Exit



Right Angle Block



Flange



Knock Out Tab



NPT



Anti-Seize Coating



Potting Options

Ceramic
Temperature Rating
1000°F/ 538°C



Epoxy
Temperature Rating
600°F/ 315°C



Teflon Plug
Temperature Rating
450°F/ 232°C



Silicone
Temperature Rating
500°F/ 260°C



Silicone
(High Temp)
Temperature Rating
650°F/ 343°C



		Temp. Rating		Movement	Moisture
		°F	°C		
Potting Options	Ceramic	1000	538	Good	Not Recommended
	Silicone - Standard	500	260	Excellent	Excellent
	Silicone - High Temp.	650	343	Excellent	Excellent
	Epoxy	600	315	Very Good	Very Good
	Teflon® Plug	450	232	Very Good	Not Recommended
Lead Options	Fiberglass (Standard)	482	250	Good	Not Recommended
	Teflon®	500	260	Excellent	Excellent
	Silicone	356	180	Excellent	Excellent
	Silicone Cable	356	180	Excellent	Excellent
	High Temp. Fiberglass	932	500	Not Recommended	Not Recommended

Hotlock Heater Features



- OEM Replacements
- Used on nozzles in high cavitation applications
- Maximizes high cavitation mold performance
- Threaded top tightens heater to the nozzle
- Nickel-coated inside diameter for easy removal
- Made in the U.S.A.
- Diameter: 3/4" (19.05 mm)
- Available widths: 30 mm - 210 mm
- Watts: 220W - 450W
- Volts: 240v



Axial Heater Features



- OEM Replacements
- Low Profile design for congested mold situations
- Convenient single front accessible allen screw
- Positive clamping maximizes heat transfer
- Made in the U.S.A.
- Diameter: 3/4" (19.05 mm), 7/8" (22.22 mm)
- Width: 1.2" (30 mm)
- Watts: 149W - 268W
- Volts: 240v

Hotlock & Axial Clamp Heater Specifications



Hotlock Heaters

Item #	Diameter	Width	Watts	Volts
KSH22030	3/4" - 19.05 mm	30 mm	220W	240v
KSH26830	3/4" - 19.05 mm	30 mm	268W	240v
KSH35030	3/4" - 19.05 mm	30 mm	350W	240v
KSH22040	3/4" - 19.05 mm	40 mm	220W	240v
KSH35040	3/4" - 19.05 mm	40 mm	350W	240v
KSH22050	3/4" - 19.05 mm	50 mm	220W	240v
KSH35050	3/4" - 19.05 mm	50 mm	350W	240v
KSH22060	3/4" - 19.05 mm	60 mm	220W	240v
KSH40060	3/4" - 19.05 mm	60 mm	400W	240v
KSH22070	3/4" - 19.05 mm	70 mm	220W	240v
KSH40070	3/4" - 19.05 mm	70 mm	400W	240v
KSH22080	3/4" - 19.05 mm	80 mm	220W	240v
KSH40080	3/4" - 19.05 mm	80 mm	400W	240v
KSH22090	3/4" - 19.05 mm	90 mm	220W	240v
KSH40090	3/4" - 19.05 mm	90 mm	400W	240v
KSH220100	3/4" - 19.05 mm	100 mm	220W	240v
KSH400100	3/4" - 19.05 mm	100 mm	400W	240v
KSH220110	3/4" - 19.05 mm	110 mm	220W	240v
KSH400110	3/4" - 19.05 mm	110 mm	400W	240v
KSH220130	3/4" - 19.05 mm	130 mm	220W	240v
KSH400130	3/4" - 19.05 mm	130 mm	400W	240v
KSH220150	3/4" - 19.05 mm	150 mm	220W	240v
KSH400150	3/4" - 19.05 mm	150 mm	400W	240v
KSH220170	3/4" - 19.05 mm	170 mm	220W	240v
KSH450170	3/4" - 19.05 mm	170 mm	450W	240v
KSH220190	3/4" - 19.05 mm	190 mm	220W	240v
KSH450190	3/4" - 19.05 mm	190 mm	450W	240v
KSH220210	3/4" - 19.05 mm	210 mm	220W	240v
KSH450210	3/4" - 19.05 mm	210 mm	450W	240v

Axial Heaters

Item #	Diameter	Width	Watts	Volts
AC14930-750	3/4" (19.05 mm)	1.2" (30 mm)	149W	240v
AC26830-750	3/4" (19.05 mm)	1.2" (30 mm)	268W	240v
AC26830-875	7/8" (22.22 mm)	1.2" (30 mm)	268W	240v



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