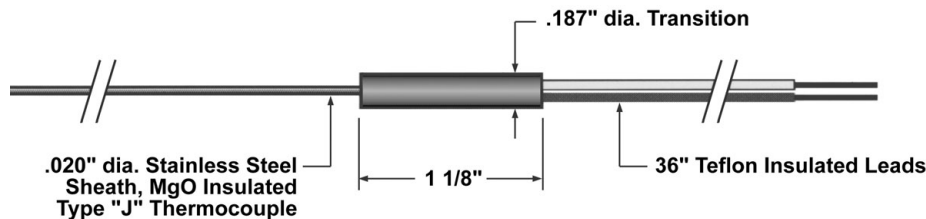


With Replaceable Thermocouple



Not Just for Runnerless Anymore...
For many years the replaceable MgO insulated thermocouple has been a feature of bushings, torpedoes, Sensitwin® and integrally heated nozzles. These are all components unique to our runnerless systems.



Available in 3 Sizes

This proven feature is now available on $\frac{3}{8}$ ", $\frac{1}{2}$ ", and $\frac{5}{8}$ " diameter Hi-Temp Cartridge Heaters. Contact SFP for other dimensions, including metric.

A miniature stainless steel tube thermowell is swagged into the heater assembly; a .020" diameter stainless steel sheathed MgO insulated "J" type thermocouple is inserted into the thermowell.

Less Downtime

Thermocouple failures can be attributed to contamination, oxidation or abuse, at which time the conventional cartridge heater with a permanently positioned thermocouple must be removed from its application. This maintenance downtime can result in a costly loss of production.

No Need to Remove Cartridge

The replaceable thermocouple feature not only eliminates the necessity of removing the cartridge heater, but the cost of the heater/thermocouple combination is also not required. Reduced maintenance labor for the thermocouple replacement vs. that of the heater/thermocouple should be experienced.

Position TC Anywhere

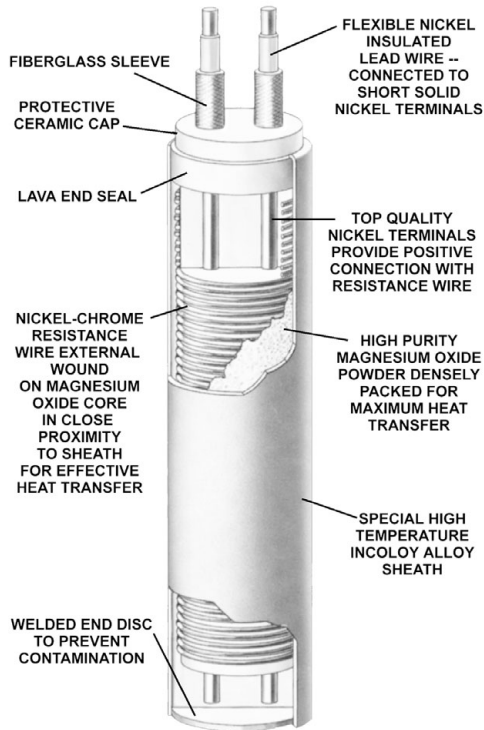
The replaceable thermocouple also has a unique feature of being able to be positioned to any depth of penetration along the thermowell length. In this manner, internal temperatures at any position can be monitored for heat distribution.



CALL FOR PRICING

800-627-1033

Hi-Temperature Quality Cartridge Heaters for Excellent Heat Transfer Efficiency



FEATURES:

- Longer Heater Life
- Internal Temperatures to 1600°F
- Optimum Performance
- Standard Sizes and Ratings
- Special Hi-Temp Alloy Sheath Material
- Choice of Voltage 120V or 240V (Other Voltages on Request)

Many sizes and constructions in stock!

TYPE & LEAD LENGTH SPECIFICATIONS

(See following page for descriptions of each termination type available.)

Type AH cartridges are available with the following terminations:

AA, GS, FC, 9S, FR, and SC.

Type AF cartridges are available with the following terminations:

AA, GS, FC, SP, BD, 9S, FR, GG, AL, and SC.

Type AG cartridges are available with the following terminations:

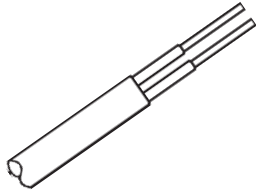
AA, GS, FC, SP, BD, GG, AL, 9S, FR, 9R, RA, 9A, SB, LB, BB, and SC.

Type GG cartridges are only available with 10" flexible leads.

Cartridge Heaters Terminations

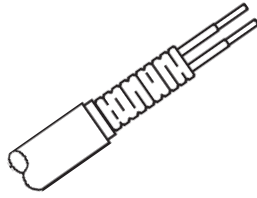


Termination AA



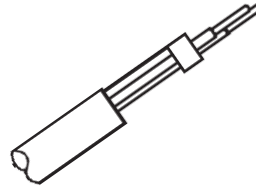
Rigid Post Externally Connected Leads

Termination GS



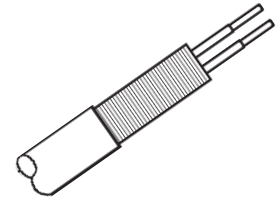
Straight Leads with Silk and Paint

Termination FC



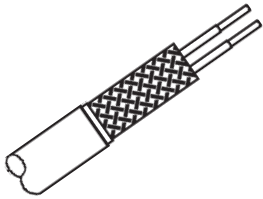
Straight Leads with Clip Support

Termination SP



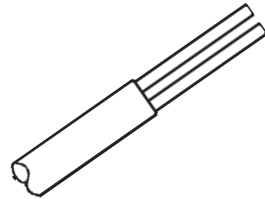
Straight Strain Relief Spring

Termination BD



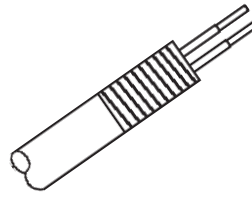
Stainless Steel Braid Over Pair of Leads

Termination GG



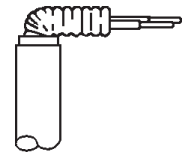
All Flexible Leads

Termination AL



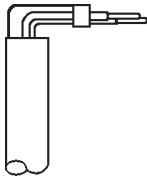
Straight Stainless Steel Armor

Termination 9S



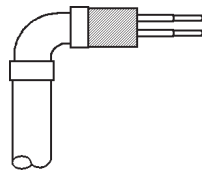
Right Angle Leads with Silk and Paint

Termination FR



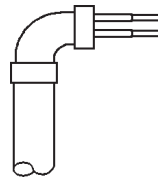
Right Angle Leads 90° Clip Support

Termination 9R



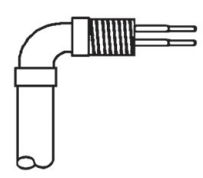
Right Angle Copper Elbow with Spring

Termination RA



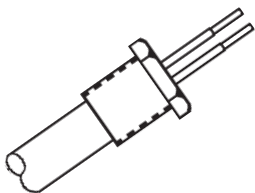
Right Angle Copper Elbow Plain Leads

Termination 9A



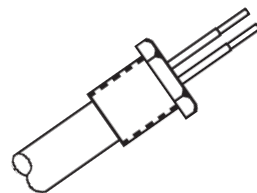
Right Angle Copper Elbow with Armor Cable

Termination SB



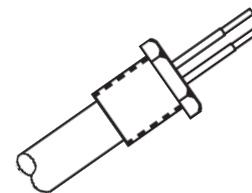
Hex Head NPT Bushing Straight Stainless Steel

Termination LB



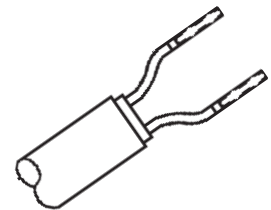
Hex Head NPT Bushing Cold Rolled

Termination BB



Hex Head NPT Bushing Brass

Termination SC



Screw Termination

Hi-Temp Cartridge Heaters



PART NO.	O.D.	LENGTH	VOLTS	WATTS	W/in ²	TYPE	LEAD LENGTH	PRICE EACH
CH021653	¼"	1"	120	100	255	AH	V	CALL FOR PRICING
CH020146	¼"	1"	120	100	255	GG	10"	
CH021654	¼"	1"	120	150	382	AH	V	
CH021655	¼"	1¼"	120	100	170	AH	V	
CH020149	¼"	1¼"	120	100	170	GG	10"	
CH021659	¼"	1¼"	120	150	255	AH	V	
CH020150	¼"	1¼"	120	150	255	GG	10"	
CH021661	¼"	1¼"	240	225	382	AH	V	
CH020242	¼"	1¼"	240	225	382	GG	10"	
CH021662	¼"	1½"	120	100	127	AH	V	
CH020152	¼"	1½"	120	100	127	GG	10"	
CH021663	¼"	1½"	120	150	191	AH	V	
CH020154	¼"	1½"	120	175	223	GG	10"	
CH021664	¼"	1½"	120	200	255	AH	V	
CH020155	¼"	1½"	120	200	255	GG	10"	
CH021666	¼"	1½"	240	175	223	AH	V	
CH021667	¼"	1½"	240	200	255	AH	V	
CH020244	¼"	1½"	240	200	255	GG	10"	
CH021668	¼"	1½"	240	250	318	AH	V	
CH020245	¼"	1½"	240	250	318	GG	10"	
CH021671	¼"	2"	120	100	85	AH	V	
CH020157	¼"	2"	120	100	102	GG	10"	
CH021672	¼"	2"	120	200	170	AH	V	
CH020159	¼"	2"	120	200	204	GG	10"	
CH021673	¼"	2"	120	250	212	AH	V	
CH021675	¼"	2"	240	125	106	AH	V	
CH020246	¼"	2"	240	125	127	GG	10"	
CH021674	¼"	2"	240	200	170	AH	V	
CH020247	¼"	2"	240	200	204	GG	10"	
CH021677	¼"	2"	240	250	212	AH	V	
CH020248	¼"	2"	240	250	255	GG	10"	
CH021678	¼"	2"	240	300	255	AH	V	
CH020249	¼"	2"	240	300	306	GG	10"	
CH029578	¼"	2½"	120	250	182	GG	10"	
CH029265	¼"	2½"	240	250	182	GG	10"	
CH024528	¼"	3"	120	100	57	GG	10"	
CH020163	¼"	3"	120	200	113	GG	10"	
CH020164	¼"	3"	120	300	170	GG	10"	
CH021683	¼"	3"	240	125	64	AH	V	
CH020251	¼"	3"	240	200	113	GG	10"	
CH020012	¼"	3"	240	300	170	GG	10"	
CH021684	¼"	4"	120	175	64	AH	V	
CH036379	¼"	4"	120	300	118	BD	10"	
CH020061	¼"	4"	120	300	118	GG	10"	
CH021686	¼"	4"	240	175	64	AH	V	
CH022249	¼"	4"	240	200	78	GG	10"	

See page 2 for specifications on "TYPE" and "LEAD LENGTH".

V = Available in a variety of lengths.



Hi-Temp Cartridge Heaters...continued



PART NO.	O.D.	LENGTH	VOLTS	WATTS	W/in ²	TYPE	LEAD LENGTH	PRICE EACH
CH020253	¼"	4"	240	300	118	GG	10"	CALL FOR PRICING
CH022380	¼"	4½"	120	200	68	GG	10"	
CH020254	¼"	5"	240	350	105	GG	10"	
CH020255	¼"	6"	240	400	97	GG	10"	
CH021690	3/8"	1"	120	100	170	AH	V	
CH020168	3/8"	1"	120	100	170	GG	10"	
CH021692	3/8"	1"	120	150	255	AH	V	
CH020169	3/8"	1"	120	150	255	GG	10"	
CH021693	3/8"	1"	240	200	340	AH	V	
CH020256	3/8"	1"	240	200	340	GG	10"	
CH021694	3/8"	1¼"	120	125	141	AH	V	
CH021695	3/8"	1¼"	120	200	226	AH	V	
CH025893	3/8"	1¼"	120	200	226	GG	10"	
CH021696	3/8"	1¼"	240	200	226	AH	V	
CH020257	3/8"	1¼"	240	200	226	GG	10"	
CH021697	3/8"	1½"	120	75	64	AH	V	
CH024580	3/8"	1½"	120	75	64	GG	10"	
CH021698	3/8"	1½"	120	100	85	AH	V	
CH020808	3/8"	1½"	120	100	85	GG	10"	
CH021700	3/8"	1½"	120	150	127	AH	V	
CH020174	3/8"	1½"	120	150	127	GG	10"	
CH021701	3/8"	1½"	120	200	170	AH	V	
CH020175	3/8"	1½"	120	200	170	GG	10"	
CH021703	3/8"	1½"	120	250	212	AH	V	
CH020176	3/8"	1½"	120	250	212	GG	10"	
CH021705	3/8"	1½"	240	100	85	AH	V	
CH020258	3/8"	1½"	240	100	85	GG	10"	
CH021707	3/8"	1½"	240	200	170	AH	V	
CH020259	3/8"	1½"	240	200	170	GG	10"	
CH021710	3/8"	1½"	240	250	212	AH	V	
CH020260	3/8"	1½"	240	250	212	GG	10"	
CH025474	3/8"	1¾"	120	125	85	GG	10"	
CH021711	3/8"	1¾"	120	175	119	AH	V	
CH020177	3/8"	1¾"	120	175	119	GG	10"	
CH021712	3/8"	1¾"	120	250	170	AH	V	
CH020178	3/8"	1¾"	120	250	170	GG	10"	
CH021713	3/8"	1¾"	240	250	170	AH	V	
CH020261	3/8"	1¾"	240	250	170	GG	10"	
CH021714	3/8"	2"	120	100	57	AH	V	
CH020179	3/8"	2"	120	100	68	GG	10"	
CH021716	3/8"	2"	120	150	85	AH	V	
CH020180	3/8"	2"	120	150	102	GG	10"	
CH021718	3/8"	2"	120	200	113	AH	V	
CH020181	3/8"	2"	120	200	136	GG	10"	
CH021720	3/8"	2"	120	250	141	AH	V	
CH020182	3/8"	2"	120	250	170	GG	10"	

See page 2 for specifications on "TYPE" and "LEAD LENGTH".

V = Available in a variety of lengths.



Hi-Temp Cartridge Heaters...continued



PART NO.	O.D.	LENGTH	VOLTS	WATTS	W/in ²	TYPE	LEAD LENGTH	PRICE EACH
CH021722	3/8"	2"	120	300	170	AH	V	CALL FOR PRICING
CH020183	3/8"	2"	120	300	204	GG	10"	
CH021723	3/8"	2"	120	400	226	AH	V	
CH020184	3/8"	2"	120	400	272	GG	10"	
CH021725	3/8"	2"	240	100	57	AH	V	
CH020262	3/8"	2"	240	100	68	GG	10"	
CH021726	3/8"	2"	240	150	85	AH	V	
CH020263	3/8"	2"	240	150	102	GG	10"	
CH021729	3/8"	2"	240	200	113	AH	V	
CH020264	3/8"	2"	240	200	136	GG	10"	
CH021731	3/8"	2"	240	250	141	AH	V	
CH020265	3/8"	2"	240	250	170	GG	10"	
CH01733	3/8"	2"	240	300	170	AH	V	
CH020266	3/8"	2"	240	300	204	GG	10"	
CH021734	3/8"	2"	240	400	226	AH	V	
CH020267	3/8"	2"	240	400	272	GG	10"	
CH020185	3/8"	2¼"	120	125	70	GG	10"	
CH021736	3/8"	2¼"	120	175	99	AH	V	
CH020186	3/8"	2¼"	120	175	99	GG	10"	
CH020187	3/8"	2¼"	120	250	141	GG	10"	
CH020188	3/8"	2¼"	120	300	169	GG	10"	
CH020189	3/8"	2¼"	120	350	198	GG	10"	
CH020268	3/8"	2¼"	240	125	70	GG	10"	
CH020269	3/8"	2¼"	240	250	141	GG	10"	
CH020270	3/8"	2¼"	240	300	169	GG	10"	
CH020271	3/8"	2¼"	240	350	198	GG	10"	
CH022232	3/8"	2½"	120	200	97	GG	10"	
CH020190	3/8"	2½"	120	250	121	GG	10"	
CH020191	3/8"	2½"	120	400	194	GG	10"	
CH020192	3/8"	2½"	120	500	243	GG	10"	
CH020272	3/8"	2½"	240	250	121	GG	10"	
CH020273	3/8"	2½"	240	400	194	GG	10"	
CH020274	3/8"	2½"	240	500	243	GG	10"	
CH022401	3/8"	3"	120	100	38	GG	10"	
CH020193	3/8"	3"	120	150	57	GG	10"	
CH021761	3/8"	3"	120	200	68	AH	V	
CH020194	3/8"	3"	120	200	75	GG	10"	
CH021763	3/8"	3"	120	250	85	AH	V	
CH020195	3/8"	3"	120	250	94	GG	10"	
CH020143	3/8"	3"	120	300	113	GG	10"	
CH020196	3/8"	3"	120	400	151	GG	10"	
CH020197	3/8"	3"	120	500	189	GG	10"	
CH020096	3/8"	3"	240	200	75	GG	10"	
CH021770	3/8"	3"	240	250	85	AH	V	
CH020275	3/8"	3"	240	250	94	GG	10"	
CH021772	3/8"	3"	240	300	102	AH	V	

See page 2 for specifications on "TYPE" and "LEAD LENGTH".

V = Available in a variety of lengths.



Hi-Temp Cartridge Heaters...continued



PART NO.	O.D.	LENGTH	VOLTS	WATTS	W/in ²	TYPE	LEAD LENGTH	PRICE EACH
CH020008	3/8"	3"	240	300	113	GG	10"	CALL FOR PRICING
CH021774	3/8"	3"	240	400	136	AH	V	
CH020276	3/8"	3"	240	400	151	GG	10"	
CH021776	3/8"	3"	240	500	170	AH	V	
CH020277	3/8"	3"	240	500	189	GG	10"	
CH020278	3/8"	3"	240	600	226	GG	10"	
CH022320	3/8"	3½"	120	250	77	GG	10"	
CH020198	3/8"	3½"	120	300	93	GG	10"	
CH020199	3/8"	3½"	120	500	154	GG	10"	
CH020281	3/8"	3½"	240	250	77	GG	10"	
CH020279	3/8"	3½"	240	300	93	GG	10"	
CH020280	3/8"	3½"	240	500	154	GG	10"	
CH029580	3/8"	4"	120	125	33	GG	10"	
CH020200	3/8"	4"	120	150	39	GG	10"	
CH020201	3/8"	4"	120	250	65	GG	10"	
CH021789	3/8"	4"	120	350	85	AH	V	
CH020203	3/8"	4"	120	400	104	GG	10"	
CH020204	3/8"	4"	120	500	131	GG	10"	
CH029581	3/8"	4"	240	125	33	GG	10"	
CH021792	3/8"	4"	240	250	61	AH	V	
CH020081	3/8"	4"	240	250	65	GG	10"	
CH020287	3/8"	4"	240	350	91	GG	10"	
CH020288	3/8"	4"	240	400	104	GG	10"	
CH020289	3/8"	4"	240	425	111	GG	10"	
CH021797	3/8"	4"	240	500	121	AH	V	
CH020285	3/8"	4"	240	500	131	GG	10"	
CH020205	3/8"	4½"	120	300	68	GG	10"	
CH020664	3/8"	4½"	120	500	113	GG	10"	
CH020286	3/8"	4½"	240	300	68	GG	10"	
CH020857	3/8"	4½"	240	500	113	GG	10"	
CH022425	3/8"	5"	120	150	30	GG	10"	
CH020206	3/8"	5"	120	300	60	GG	10"	
CH020207	3/8"	5"	120	500	100	GG	10"	
CH023193	3/8"	5"	240	150	30	GG	10"	
CH021807	3/8"	5"	240	300	57	AH	V	
CH022241	3/8"	5"	240	300	60	GG	10"	
CH021809	3/8"	5"	240	500	94	AH	V	
CH020290	3/8"	5"	240	500	100	GG	10"	
CH020291	3/8"	5"	240	550	110	GG	10"	
CH020292	3/8"	5"	240	750	150	GG	10"	
CH020293	3/8"	5"	240	1000	200	GG	10"	
CH020294	3/8"	5½"	240	600	107	GG	10"	
CH020295	3/8"	5½"	240	1000	179	GG	10"	
CH034530	3/8"	5¾"	240	300	50	9B	20"	
CH025490	3/8"	6"	120	200	32	GG	10"	
CH020208	3/8"	6"	120	250	40	GG	10"	

See page 2 for specifications on "TYPE" and "LEAD LENGTH".

V = Available in a variety of lengths.



Hi-Temp Cartridge Heaters...continued



PART NO.	O.D.	LENGTH	VOLTS	WATTS	W/in ²	TYPE	LEAD LENGTH	PRICE EACH
CH020209	3/8"	6"	120	400	65	GG	10"	CALL FOR PRICING
CH020210	3/8"	6"	120	600	97	GG	10"	
CH020296	3/8"	6"	240	250	40	GG	10"	
CH020297	3/8"	6"	240	400	65	GG	10"	
CH020128	3/8"	6"	240	500	81	GG	10"	
CH025018	3/8"	6"	240	500	81	GG	24"	
CH030037	3/8"	6"	240	500	81	TJ	24"	
CH020298	3/8"	6"	240	600	97	GG	10"	
CH021825	3/8"	6"	240	675	104	AH	V	
CH020299	3/8"	6"	240	675	109	GG	10"	
CH020300	3/8"	6"	240	750	121	GG	10"	
CH020301	3/8"	6"	240	1000	162	GG	10"	
CH020302	3/8"	6½"	240	600	89	GG	10"	
CH020303	3/8"	6½"	240	1000	148	GG	10"	
CH020211	3/8"	7"	120	600	81	GG	10"	
CH022477	3/8"	7"	240	250	34	GG	10"	
CH022156	3/8"	7"	240	500	68	GG	10"	
CH020304	3/8"	7"	240	600	81	GG	10"	
CH021835	3/8"	7"	240	675	88	AH	V	
CH020305	3/8"	7"	240	675	92	GG	10"	
CH020306	3/8"	7"	240	775	105	GG	10"	
CH020307	3/8"	7½"	240	600	75	GG	10"	
CH020308	3/8"	7½"	240	850	107	GG	10"	
CH020309	3/8"	7½"	240	1000	126	GG	10"	
CH025625	3/8"	8"	120	300	35	GG	10"	
CH029583	3/8"	8"	120	400	47	GG	10"	
CH020070	3/8"	8"	120	500	59	GG	10"	
CH029582	3/8"	8"	240	300	35	GG	10"	
CH020310	3/8"	8"	240	500	59	GG	10"	
CH020311	3/8"	8"	240	900	105	GG	10"	
CH021844	3/8"	8"	240	1000	113	AH	V	
CH020312	3/8"	8"	240	1000	117	GG	10"	
CH029584	3/8"	10"	120	400	37	GG	10"	
CH027479	3/8"	10"	120	600	55	GG	10"	
CH020313	3/8"	10"	240	700	64	GG	10"	
CH021847	3/8"	10"	240	1125	101	AH	V	
CH020314	3/8"	10"	240	1125	103	GG	10"	
CH023836	½"	2½"	120	100	36	GG	10"	
CH020212	½"	2½"	120	250	91	GG	10"	
CH022029	½"	2½"	120	400	127	AH	V	
CH020213	½"	2½"	120	400	146	GG	10"	
CH022030	½"	2½"	120	500	159	AH	V	
CH020214	½"	2½"	120	500	182	GG	10"	
CH029585	½"	2½"	240	100	36	GG	10"	
CH021849	½"	2½"	240	250	80	AH	V	
CH020315	½"	2½"	240	250	91	GG	10"	

See page 2 for specifications on "TYPE" and "LEAD LENGTH".

V = Available in a variety of lengths.



Hi-Temp Cartridge Heaters...continued



PART NO.	O.D.	LENGTH	VOLTS	WATTS	W/in ²	TYPE	LEAD LENGTH	PRICE EACH
CH021851	½"	2½"	240	400	127	AH	V	CALL FOR PRICING
CH020316	½"	2½"	240	400	146	GG	10"	
CH021852	½"	2½"	240	500	159	AH	V	
CH020317	½"	2½"	240	500	182	GG	10"	
CH029586	½"	3"	120	125	35	GG	10"	
CH020215	½"	3"	120	250	71	GG	10"	
CH020217	½"	3"	120	500	141	GG	10"	
CH020218	½"	3"	120	600	170	GG	10"	
CH020219	½"	3"	120	750	212	GG	10"	
CH027782	½"	3"	240	125	35	GG	10"	
CH021860	½"	3"	240	300	76	AH	V	
CH020318	½"	3"	240	300	85	GG	10"	
CH020319	½"	3"	240	400	113	GG	10"	
CH021863	½"	3"	240	500	127	AH	V	
CH020320	½"	3"	240	500	141	GG	10"	
CH020083	½"	3"	240	600	170	GG	10"	
CH020321	½"	3"	240	750	212	GG	10"	
CH024252	½"	3½"	120	250	58	GG	10"	
CH022196	½"	3½"	120	500	116	GG	10"	
CH029587	½"	3½"	240	250	58	GG	10"	
CH029189	½"	3½"	240	350	81	GG	10"	
CH021868	½"	3½"	240	500	116	AF	V	
CH037166	½"	3½"	240	500	116	GG	10"	
CH021869	½"	3½"	240	750	174	AF	V	
CH029596	½"	4"	120	150	29	AF	V	
CH021870	½"	4"	120	250	49	AF	V	
CH021871	½"	4"	120	300	59	AF	V	
CH022017	½"	4"	120	400	78	AF	V	
CH021872	½"	4"	120	500	98	AF	V	
CH021873	½"	4"	120	750	147	AF	V	
CH029597	½"	4"	240	150	29	AF	V	
CH021874	½"	4"	240	250	49	AF	V	
CH021875	½"	4"	240	300	59	AF	V	
CH020323	½"	4"	240	300	59	GG	10"	
CH021876	½"	4"	240	350	69	AF	V	
CH021877	½"	4"	240	400	78	AF	V	
CH021878	½"	4"	240	500	98	AF	V	
CH020645	½"	4"	240	550	108	AF	V	
CH021879	½"	4"	240	750	147	AF	V	
CH021880	½"	4"	240	1000	196	AF	V	
CH021881	½"	4½"	120	550	85	AF	V	
CH021882	½"	4½"	120	750	127	AF	V	
CH021883	½"	4½"	240	500	85	AF	V	
CH021884	½"	4½"	240	750	127	AF	V	
CH021885	½"	5"	120	350	52	AF	V	
CH021886	½"	5"	120	500	75	AF	V	

See page 2 for specifications on "TYPE" and "LEAD LENGTH".

V = Available in a variety of lengths.



Hi-Temp Cartridge Heaters...continued



PART NO.	O.D.	LENGTH	VOLTS	WATTS	W/in ²	TYPE	LEAD LENGTH	PRICE EACH
CH021887	½"	5"	120	750	112	AF	V	CALL FOR PRICING
CH021888	½"	5"	240	350	52	AF	V	
CH025829	½"	5"	240	350	52	GG	10"	
CH021889	½"	5"	240	500	75	AF	V	
CH021890	½"	5"	240	550	82	AF	V	
CH021891	½"	5"	240	750	112	AF	V	
CH037165	½"	5"	240	750	112	GG	10"	
CH021892	½"	5"	240	1000	150	AF	V	
CH021893	½"	5½"	120	500	67	AF	V	
CH021894	½"	5½"	120	750	101	AF	V	
CH035779	½"	5½"	240	350	45	90° GG	10"	
CH021895	½"	5½"	240	500	67	AF	V	
CH021896	½"	5½"	240	750	101	AF	V	
CH021897	½"	6"	120	500	61	AF	V	
CH021898	½"	6"	120	1000	121	AF	V	
CH021899	½"	6"	240	500	61	AF	V	
CH021900	½"	6"	240	600	73	AF	V	
CH021901	½"	6"	240	750	91	AF	V	
CH030316	½"	6"	240	750	91	BD	10"	
CH020337	½"	6"	240	750	91	GG	10"	
CH022888	½"	6"	240	750	91	GG	18"	
CH021902	½"	6"	240	875	106	AF	V	
CH021903	½"	6"	240	1000	121	AF	V	
CH021904	½"	6½"	120	500	55	AF	V	
CH021905	½"	6½"	240	500	55	AF	V	
CH021906	½"	6½"	240	1000	111	AF	V	
CH021907	½"	7"	120	250	25	AF	V	
CH021908	½"	7"	120	500	51	AF	V	
CH021909	½"	7"	120	600	61	AF	V	
CH021910	½"	7"	240	500	51	AF	V	
CH021911	½"	7"	240	600	61	AF	V	
CH020343	½"	7"	240	600	61	GG	10"	
CH035360	½"	7"	240	600	61	GG	24"	
CH021912	½"	7"	240	1000	102	AF	V	
CH020345	½"	7"	240	1000	102	GG	10"	
CH020650	½"	7"	240	1000	102	GG	24"	
CH038705	½"	7"	240	1000	102	BD	36"	
CH021913	½"	7½"	240	500	57	AF	V	
CH021914	½"	7½"	240	1000	94	AF	V	
CH035656	½"	7¾"	240	2000	175	9B	72"	
CH021915	½"	8"	120	500	44	AF	V	
CH021916	½"	8"	120	1000	88	AF	V	
CH021917	½"	8"	240	500	44	AF	V	
CH030330	½"	8"	240	500	44	GG	24"	
CH021918	½"	8"	240	800	70	AF	V	
CH021919	½"	8"	240	1000	88	AF	V	

See page 2 for specifications on "TYPE" and "LEAD LENGTH".

V = Available in a variety of lengths.



Hi-Temp Cartridge Heaters...continued



PART NO.	O.D.	LENGTH	VOLTS	WATTS	W/in ²	TYPE	LEAD LENGTH	PRICE EACH
CH020348	½"	8"	240	1000	88	GG	10"	CALL FOR PRICING
CH022568	½"	8"	240	1000	88	GG	22"	
CH021920	½"	8"	240	1175	103	AF	V	
CH021921	½"	8"	240	1500	132	AF	V	
CH020350	½"	8"	240	1500	132	GG	10"	
CH021923	½"	8"	240	2000	176	AF	V	
CH035983	½"	8"	240	2000	176	GG	24"	
CH021924	½"	8½"	240	500	41	AF	V	
CH021925	½"	8½"	240	1000	82	AF	V	
CH021926	½"	9"	240	500	39	AF	V	
CH021927	½"	9"	240	1000	77	AF	V	
CH021928	½"	9"	240	1325	102	AF	V	
CH036393	½"	9"	240	1500	125	90	10"	
CH021929	½"	9½"	240	500	36	AF	V	
CH021930	½"	9½"	240	1000	73	AF	V	
CH021931	½"	10"	120	1000	69	AF	V	
CH021932	½"	10"	240	1000	69	AF	V	
CH021933	½"	10"	240	1100	76	AF	V	
CH021934	½"	10"	240	1500	103	AF	V	
CH021935	½"	10"	240	2000	138	AF	V	
CH021936	½"	11"	240	1000	62	AF	V	
CH021937	½"	12"	120	1000	57	AF	V	
CH037140	½"	12"	120	1000	57	GG	10"	
CH021938	½"	12"	240	1000	57	AF	V	
CH032551	½"	12"	240	1000	57	GG	22"	
CH021939	½"	12"	240	1100	62	AF	V	
CH021940	½"	12"	240	1500	85	AF	V	
CH021941	½"	12"	240	2000	113	AF	V	
CH029612	½"	14"	240	1000	48	AF	V	
CH029613	½"	14"	240	2300	111	AF	V	
CH029614	½"	15"	240	1500	67	AF	V	
CH029615	½"	16"	240	1000	42	AF	V	
CH030758	½"	17"	240	1000	43	AG	V	
CH030757	½"	18"	240	1000	40	AG	V	
CH029616	½"	18"	240	1500	55	AF	V	
CH029617	½"	18"	240	1700	63	AF	V	
CH029589	5/8"	3"	120	150	34	GG	10"	
CH020237	5/8"	3"	120	250	57	GG	10"	
CH020238	5/8"	3"	120	500	113	GG	10"	
CH020364	5/8"	3"	240	250	57	GG	10"	
CH020365	5/8"	3"	240	500	113	GG	10"	
CH020366	5/8"	3"	240	750	170	GG	10"	
CH021948	5/8"	3¾"	120	525	89	AG	V	
CH021949	5/8"	3¾"	240	525	89	AG	V	
CH029618	5/8"	4"	120	250	39	AG	V	
CH029619	5/8"	4"	240	250	39	AG	V	

See page 2 for specifications on "TYPE" and "LEAD LENGTH".

V = Available in a variety of lengths.



Hi-Temp Cartridge Heaters...continued



PART NO.	O.D.	LENGTH	VOLTS	WATTS	W/in ²	TYPE	LEAD LENGTH	PRICE EACH
CH021950	5/8"	4"	240	400	63	AG	V	CALL FOR PRICING
CH021951	5/8"	4"	240	500	78	AG	V	
CH021952	5/8"	4"	240	600	94	AG	V	
CH021953	5/8"	4"	240	750	118	AG	V	
CH021954	5/8"	4"	240	1000	157	AG	V	
CH029620	5/8"	5"	120	250	30	AG	V	
CH029621	5/8"	5"	240	250	30	AG	V	
CH021955	5/8"	5"	240	500	60	AG	V	
CH021956	5/8"	5"	240	750	90	AG	V	
CH021957	5/8"	5"	240	875	105	AG	V	
CH021958	5/8"	5"	240	1000	120	AG	V	
CH021959	5/8"	5½"	120	800	86	AG	V	
CH021960	5/8"	5½"	240	800	86	AG	V	
CH029622	5/8"	6"	120	300	29	AG	V	
CH029623	5/8"	6"	240	300	29	AG	V	
CH021961	5/8"	6"	240	500	49	AG	V	
CH020376	5/8"	6"	240	500	49	GG	10"	
CH021962	5/8"	6"	240	750	73	AG	V	
CH021963	5/8"	6"	240	1000	97	AG	V	
CH021964	5/8"	6"	240	1500	146	AG	V	
CH021965	5/8"	6½"	120	500	44	AG	V	
CH021966	5/8"	6½"	240	500	44	AG	V	
CH029624	5/8"	7"	120	500	41	AG	V	
CH029625	5/8"	7"	240	500	41	AG	V	
CH035375	5/8"	7"	240	500	41	GG	24"	
CH029626	5/8"	7"	240	1000	81	AG	V	
CH029627	5/8"	7"	240	1500	122	AG	V	
CH021967	5/8"	8"	120	500	35	AG	V	
CH021968	5/8"	8"	240	500	35	AG	V	
CH020380	5/8"	8"	240	500	35	GG	10"	
CH021969	5/8"	8"	240	850	60	AG	V	
CH021970	5/8"	8"	240	1000	70	AG	V	
CH021971	5/8"	8"	240	1500	105	AG	V	
CH021972	5/8"	8"	240	2000	140	AG	V	
CH021973	5/8"	8½"	240	875	58	AG	V	
CH021974	5/8"	9½"	240	975	57	AG	V	
CH029628	5/8"	10"	120	500	28	AG	V	
CH029629	5/8"	10"	240	500	28	AG	V	
CH029630	5/8"	10"	240	750	41	AG	V	
CH021515	5/8"	10"	240	750	41	GG	10"	
CH021975	5/8"	10"	240	1000	55	AG	V	
CH021976	5/8"	10"	240	1500	83	AG	V	
CH021977	5/8"	10"	240	2000	110	AG	V	
CH029631	5/8"	12"	120	500	23	AG	V	
CH021978	5/8"	12"	120	1000	45	AG	V	
CH029632	5/8"	12"	240	500	23	AG	V	

See page 2 for specifications on "TYPE" and "LEAD LENGTH".

V = Available in a variety of lengths.



Hi-Temp Cartridge Heaters...continued



PART NO.	O.D.	LENGTH	VOLTS	WATTS	W/in ²	TYPE	LEAD LENGTH	PRICE EACH
CH029633	5/8"	12"	240	900	41	AG	V	CALL FOR PRICING
CH021979	5/8"	12"	240	1000	45	AG	V	
CH021980	5/8"	12"	240	1500	68	AG	V	
CH037097	5/8"	12"	240	1500	68	GG	10"	
CH021981	5/8"	12"	240	2000	91	AG	V	
CH029528	5/8"	13"	240	1000	45	AG	V	
CH030586	5/8"	14"	240	1000	42	AG	V	
CH029634	5/8"	14"	240	3700	142	AG	V	
CH030587	5/8"	15"	240	1000	40	AG	V	
CH029635	5/8"	15"	240	2400	86	AG	V	
CH030588	5/8"	16"	240	1000	36	AG	V	
CH029636	5/8"	16"	240	4500	150	AG	V	
CH030589	5/8"	17"	240	1000	34	AG	V	
CH030590	5/8"	18"	240	1000	32	AG	V	
CH029637	5/8"	18"	240	3000	89	AG	V	
CH030591	5/8"	19"	240	1000	30	AG	V	
CH030592	5/8"	20"	240	1000	28	AG	V	
CH029638	5/8"	20"	240	3500	93	AG	V	
CH031164	5/8"	24"	240	1000	23	AG	V	
CH031165	5/8"	24"	240	2000	47	AG	V	
CH021984	3/4"	3 1/2"	120	250	39	AG	V	
CH021985	3/4"	3 1/2"	120	500	77	AG	V	
CH021986	3/4"	3 1/2"	240	250	39	AG	V	
CH021987	3/4"	3 1/2"	240	350	54	AG	V	
CH021988	3/4"	4"	120	250	33	AG	V	
CH021989	3/4"	4"	240	500	65	AG	V	
CH020543	3/4"	4"	240	500	65	GG	10"	
CH021990	3/4"	4"	240	1000	131	AG	V	
CH021991	3/4"	5"	120	300	30	AG	V	
CH021992	3/4"	5"	240	500	50	AG	V	
CH021993	3/4"	5"	240	1000	100	AG	V	
CH021994	3/4"	6"	120	500	40	AG	V	
CH021995	3/4"	6"	240	500	40	AG	V	
CH021996	3/4"	6"	240	1000	81	AG	V	
CH021997	3/4"	7"	120	550	34	AG	V	
CH021998	3/4"	7"	240	500	34	AG	V	
CH021999	3/4"	7"	240	1000	68	AG	V	
CH022000	3/4"	8"	120	500	29	AG	V	
CH022018	3/4"	8"	240	500	29	AG	V	
CH021651	3/4"	8"	240	500	29	GG	10"	
CH022001	3/4"	8"	240	1000	59	AG	V	
CH022002	3/4"	8"	240	2000	117	AG	V	
CH022003	3/4"	9"	240	1200	62	AG	V	
CH030747	3/4"	10"	240	1000	52	AG	V	
CH022004	3/4"	10"	240	1200	55	AG	V	
CH022005	3/4"	10"	240	2000	92	AG	V	

See page 2 for specifications on "TYPE" and "LEAD LENGTH".

V = Available in a variety of lengths.



Hi-Temp Cartridge Heaters...continued



PART NO.	O.D.	LENGTH	VOLTS	WATTS	W/in ²	TYPE	LEAD LENGTH	PRICE EACH
CH030748	3/4"	11"	240	1000	46	AG	V	CALL FOR PRICING
CH022006	3/4"	12"	240	1000	38	AG	V	
CH022007	3/4"	12"	240	1200	45	AG	V	
CH022008	3/4"	12"	240	2000	75	AG	V	
CH030749	3/4"	13"	240	1000	38	AG	V	
CH030750	3/4"	14"	240	1000	35	AG	V	
CH029639	3/4"	14"	240	1250	40	AG	V	
CH029640	3/4"	14"	240	2500	80	AG	V	
CH022755	3/4"	14"	240	2500	80	GG	10"	
CH029641	3/4"	14"	240	4500	144	AG	V	
CH030751	3/4"	15"	240	1000	32	AG	V	
CH030752	3/4"	16"	240	1000	31	AG	V	
CH029642	3/4"	16"	240	1800	50	AG	V	
CH029643	3/4"	16"	240	4700	131	AG	V	
CH030753	3/4"	17"	240	1000	29	AG	V	
CH030754	3/4"	18"	240	1000	27	AG	V	
CH029644	3/4"	18"	240	2000	49	AG	V	
CH029645	3/4"	18"	240	5000	123	AG	V	
CH030755	3/4"	19"	240	1000	25	AG	V	
CH030756	3/4"	20"	240	1000	24	AG	V	
CH029646	3/4"	20"	240	1050	23	AG	V	
CH029647	3/4"	20"	240	2050	45	AG	V	
CH031166	3/4"	24"	240	1000	20	AG	V	
CH031167	3/4"	24"	240	2000	40	AG	V	

See page 2 for specifications on "TYPE" and "LEAD LENGTH".

V = Available in a variety of lengths.



Metric Hi-Temp Cartridge Heaters



PART NO.	DIAMETER	LENGTH	VOLTS	WATTS	TYPE	LEAD LENGTH	PRICE EACH
CH023908	6.5mm	40mm	120	75	GG	500mm	CALL FOR PRICING
CH023915	6.5mm	40mm	240	75	GG	500mm	
CH023909	6.5mm	50mm	120	100	GG	500mm	
CH023916	6.5mm	50mm	240	100	GG	500mm	
CH023910	6.5mm	60mm	120	150	GG	500mm	
CH023917	6.5mm	60mm	240	150	GG	500mm	
CH023911	6.5mm	80mm	120	200	GG	500mm	
CH023918	6.5mm	80mm	240	200	GG	500mm	
CH023912	6.5mm	100mm	120	250	GG	500mm	
CH023919	6.5mm	100mm	240	250	GG	500mm	
CH023913	6.5mm	130mm	120	300	GG	500mm	
CH023920	6.5mm	130mm	240	300	GG	500mm	
CH023914	6.5mm	150mm	120	350	GG	500mm	
CH023921	6.5mm	150mm	240	350	GG	500mm	
CH023922	8.0mm	40mm	120	100	GG	500mm	
CH023931	8.0mm	40mm	240	100	GG	500mm	
CH023923	8.0mm	50mm	120	150	GG	500mm	
CH023932	8.0mm	50mm	240	150	GG	500mm	
CH023924	8.0mm	60mm	120	175	GG	500mm	
CH023933	8.0mm	60mm	240	175	GG	500mm	
CH023925	8.0mm	80mm	120	250	GG	500mm	
CH023934	8.0mm	80mm	240	250	GG	500mm	
CH023926	8.0mm	100mm	120	300	GG	500mm	
CH023935	8.0mm	100mm	240	300	GG	500mm	
CH023927	8.0mm	130mm	120	350	GG	500mm	
CH023936	8.0mm	130mm	240	350	GG	500mm	
CH023928	8.0mm	150mm	120	400	GG	500mm	
CH023937	8.0mm	150mm	240	400	GG	500mm	
CH023929	8.0mm	180mm	120	500	GG	500mm	
CH023938	8.0mm	180mm	240	500	GG	500mm	
CH023930	8.0mm	200mm	120	550	GG	500mm	
CH023939	8.0mm	200mm	240	550	GG	500mm	
CH023940	10.0mm	40mm	120	150	GG	500mm	
CH023947	10.0mm	40mm	240	150	GG	500mm	
CH023941	10.0mm	50mm	120	175	GG	500mm	
CH023948	10.0mm	50mm	240	175	GG	500mm	
CH023942	10.0mm	60mm	120	250	GG	500mm	
CH023949	10.0mm	60mm	240	250	GG	500mm	
CH023943	10.0mm	80mm	120	300	GG	500mm	
CH023950	10.0mm	80mm	240	300	GG	500mm	
CH023944	10.0mm	100mm	120	350	GG	500mm	
CH036987	10.0mm	100mm	120	400	BD	875mm	
CH023951	10.0mm	100mm	240	350	GG	500mm	
CH023945	10.0mm	130mm	120	450	GG	500mm	
CH037318	10.0mm	130mm	240	450	AL	254mm	



Metric Hi-Temp Cartridge Heaters...continued



PART NO.	DIAMETER	LENGTH	VOLTS	WATTS	TYPE	LEAD LENGTH	PRICE EACH
CH023952	10.0mm	130mm	240	450	GG	500mm	CALL FOR PRICING
CH023946	10.0mm	150mm	120	550	GG	500mm	
CH023953	10.0mm	150mm	240	550	GG	500mm	
CH023954	10.0mm	180mm	120	650	GG	500mm	
CH023960	10.0mm	180mm	240	650	GG	500mm	
CH023955	10.0mm	200mm	120	750	GG	500mm	
CH023961	10.0mm	200mm	240	750	GG	500mm	
CH023956	10.0mm	230mm	120	850	GG	500mm	
CH023962	10.0mm	230mm	240	850	GG	500mm	
CH023957	10.0mm	250mm	120	1000	GG	500mm	
CH023963	10.0mm	250mm	240	1000	GG	500mm	
CH023958	10.0mm	280mm	120	1100	GG	500mm	
CH023964	10.0mm	280mm	240	1100	GG	500mm	
CH023959	10.0mm	300mm	120	1200	GG	500mm	
CH023965	10.0mm	300mm	240	1200	GG	500mm	
CH023966	12.5mm	40mm	120	175	GG	500mm	
CH023979	12.5mm	40mm	240	175	GG	500mm	
CH023967	12.5mm	50mm	120	250	GG	500mm	
CH023980	12.5mm	50mm	240	250	GG	500mm	
CH023968	12.5mm	60mm	120	300	GG	500mm	
CH023981	12.5mm	60mm	240	300	GG	500mm	
CH023969	12.5mm	80mm	120	400	GG	500mm	
CH023982	12.5mm	80mm	240	400	GG	500mm	
CH023970	12.5mm	100mm	120	500	GG	500mm	
CH023983	12.5mm	100mm	240	500	GG	500mm	
CH023971	12.5mm	130mm	120	550	GG	500mm	
CH023984	12.5mm	130mm	240	550	GG	500mm	
CH023972	12.5mm	150mm	120	650	GG	500mm	
CH023985	12.5mm	150mm	240	650	GG	500mm	
CH023973	12.5mm	180mm	120	800	GG	500mm	
CH023986	12.5mm	180mm	240	800	GG	500mm	
CH023974	12.5mm	200mm	120	900	GG	500mm	
CH023987	12.5mm	200mm	240	900	GG	500mm	
CH023975	12.5mm	230mm	120	1100	GG	500mm	
CH023988	12.5mm	230mm	240	1100	GG	500mm	
CH023976	12.5mm	250mm	120	1200	GG	500mm	
CH023989	12.5mm	250mm	240	1200	GG	500mm	
CH023977	12.5mm	280mm	120	1350	GG	500mm	
CH023990	12.5mm	280mm	240	1350	GG	500mm	
CH023978	12.5mm	300mm	120	1500	GG	500mm	
CH023991	12.5mm	300mm	240	1500	GG	500mm	
CH010378	15.0mm	50mm	120	300	GG	500mm	
CH010390	15.0mm	50mm	240	300	GG	500mm	
CH010379	15.0mm	60mm	120	350	GG	500mm	
CH010391	15.0mm	60mm	240	350	GG	500mm	



Metric Hi-Temp Cartridge Heaters...continued



PART NO.	DIAMETER	LENGTH	VOLTS	WATTS	TYPE	LEAD LENGTH	PRICE EACH
CH010380	15.0mm	80mm	120	450	GG	500mm	CALL FOR PRICING
CH010392	15.0mm	80mm	240	450	GG	500mm	
CH010381	15.0mm	100mm	120	600	GG	500mm	
CH010393	15.0mm	100mm	240	600	GG	500mm	
CH010382	15.0mm	130mm	120	700	GG	500mm	
CH010394	15.0mm	130mm	240	700	GG	500mm	
CH010383	15.0mm	150mm	120	850	GG	500mm	
CH010395	15.0mm	150mm	240	850	GG	500mm	
CH010384	15.0mm	180mm	120	1000	GG	500mm	
CH010396	15.0mm	180mm	240	1000	GG	500mm	
CH010385	15.0mm	200mm	120	1250	GG	500mm	
CH010397	15.0mm	200mm	240	1250	GG	500mm	
CH010386	15.0mm	230mm	120	1450	GG	500mm	
CH010398	15.0mm	230mm	240	1450	GG	500mm	
CH010387	15.0mm	250mm	120	1550	GG	500mm	
CH010399	15.0mm	250mm	240	1550	GG	500mm	
CH010388	15.0mm	280mm	120	1750	GG	500mm	
CH010400	15.0mm	280mm	240	1750	GG	500mm	
CH010389	15.0mm	300mm	120	2000	GG	500mm	
CH010401	15.0mm	300mm	240	2000	GG	500mm	
CH023992	16.0mm	50mm	120	300	GG	500mm	
CH024004	16.0mm	50mm	240	300	GG	500mm	
CH023993	16.0mm	60mm	120	350	GG	500mm	
CH024005	16.0mm	60mm	240	350	GG	500mm	
CH023994	16.0mm	80mm	120	450	GG	500mm	
CH024006	16.0mm	80mm	240	450	GG	500mm	
CH023995	16.0mm	100mm	120	600	GG	500mm	
CH024007	16.0mm	100mm	240	600	GG	500mm	
CH023996	16.0mm	130mm	120	700	GG	500mm	
CH024008	16.0mm	130mm	240	700	GG	500mm	
CH023997	16.0mm	150mm	120	850	GG	500mm	
CH024009	16.0mm	150mm	240	850	GG	500mm	
CH023998	16.0mm	180mm	120	1000	GG	500mm	
CH024010	16.0mm	180mm	240	1000	GG	500mm	
CH023999	16.0mm	200mm	120	1250	GG	500mm	
CH024011	16.0mm	200mm	240	1250	GG	500mm	
CH024000	16.0mm	230mm	120	1450	GG	500mm	
CH024012	16.0mm	230mm	240	1450	GG	500mm	
CH024001	16.0mm	250mm	120	1550	GG	500mm	
CH024013	16.0mm	250mm	240	1550	GG	500mm	
CH024002	16.0mm	280mm	120	1750	GG	500mm	
CH024014	16.0mm	280mm	240	1750	GG	500mm	
CH024003	16.0mm	300mm	120	2000	GG	500mm	
CH024015	16.0mm	300mm	240	2000	GG	500mm	



Hi-Temp 3/8" Square Cartridge Heaters



PART NO.	SIZE	LENGTH	VOLTS	WATTS	TYPE	LEAD LENGTH*	PRICE EACH
CQ010000	3/8" x 3/8"	1 1/2"	120	55	GG	10"	CALL FOR PRICING
CQ010138	3/8" x 3/8"	1 1/2"	240	55	GG	10"	
CQ010001	3/8" x 3/8"	2"	120	55	GG	10"	
CQ010139	3/8" x 3/8"	2"	240	55	GG	10"	
CQ020117	3/8" x 3/8"	2 1/2"	120	70	GG	10"	
CQ010140	3/8" x 3/8"	2 1/2"	240	70	GG	10"	
CQ010003	3/8" x 3/8"	3"	120	110	GG	10"	
CQ010141	3/8" x 3/8"	3"	240	110	GG	10"	
CQ010004	3/8" x 3/8"	3 1/2"	120	130	GG	10"	
CQ010142	3/8" x 3/8"	3 1/2"	240	130	GG	10"	
CQ010005	3/8" x 3/8"	4"	120	165	GG	10"	
CQ010143	3/8" x 3/8"	4"	240	165	GG	10"	
CQ010006	3/8" x 3/8"	4 1/2"	120	165	GG	10"	
CQ010144	3/8" x 3/8"	4 1/2"	240	165	GG	10"	
CQ010007	3/8" x 3/8"	5"	120	220	GG	10"	
CQ010145	3/8" x 3/8"	5"	240	220	GG	10"	
CQ010008	3/8" x 3/8"	5 1/2"	120	220	GG	10"	
CQ010146	3/8" x 3/8"	5 1/2"	240	220	GG	10"	
CQ010009	3/8" x 3/8"	6"	120	245	GG	10"	
CQ010147	3/8" x 3/8"	6"	240	245	GG	10"	
CQ010010	3/8" x 3/8"	6 1/2"	120	275	GG	10"	
CQ010148	3/8" x 3/8"	6 1/2"	240	275	GG	10"	
CQ010011	3/8" x 3/8"	7"	120	300	GG	10"	
CQ010149	3/8" x 3/8"	7"	240	300	GG	10"	
CQ010012	3/8" x 3/8"	7 1/2"	120	300	GG	10"	
CQ010150	3/8" x 3/8"	7 1/2"	240	300	GG	10"	
CQ010013	3/8" x 3/8"	8"	120	330	GG	10"	
CQ010151	3/8" x 3/8"	8"	240	330	GG	10"	
CQ010014	3/8" x 3/8"	8 1/2"	120	355	GG	10"	
CQ010152	3/8" x 3/8"	8 1/2"	240	355	GG	10"	
CQ010015	3/8" x 3/8"	9"	120	385	GG	10"	
CQ010153	3/8" x 3/8"	9"	240	385	GG	10"	
CQ010016	3/8" x 3/8"	9 1/2"	120	385	GG	10"	
CQ010154	3/8" x 3/8"	9 1/2"	240	385	GG	10"	
CQ010017	3/8" x 3/8"	10"	120	410	GG	10"	
CQ010155	3/8" x 3/8"	10"	240	410	GG	10"	
CQ010019	3/8" x 3/8"	11"	120	440	GG	10"	
CQ010157	3/8" x 3/8"	11"	240	440	GG	10"	
CQ010021	3/8" x 3/8"	12"	120	465	GG	10"	
CQ010159	3/8" x 3/8"	12"	240	465	GG	10"	
CQ010023	3/8" x 3/8"	13"	120	490	GG	10"	
CQ010161	3/8" x 3/8"	13"	240	490	GG	10"	
CQ010025	3/8" x 3/8"	14"	120	510	GG	10"	
CQ010163	3/8" x 3/8"	14"	240	510	GG	10"	

*10" leads standard, other lengths available.



Hi-Temp 1/2" Square Cartridge Heaters



PART NO.	SIZE	LENGTH	VOLTS	WATTS	TYPE	LEAD LENGTH*	PRICE EACH
CQ010051	1/2" x 1/2"	4"	120	165	GG	10"	CALL FOR PRICING
CQ010189	1/2" x 1/2"	4"	240	165	GG	10"	
CQ010052	1/2" x 1/2"	4 1/2"	120	165	GG	10"	
CQ010190	1/2" x 1/2"	4 1/2"	240	165	GG	10"	
CQ010053	1/2" x 1/2"	5"	120	190	GG	10"	
CQ010191	1/2" x 1/2"	5"	240	190	GG	10"	
CQ010054	1/2" x 1/2"	5 1/2"	120	275	GG	10"	
CQ010192	1/2" x 1/2"	5 1/2"	240	275	GG	10"	
CQ010055	1/2" x 1/2"	6"	120	330	GG	10"	
CQ010193	1/2" x 1/2"	6"	240	330	GG	10"	
CQ010056	1/2" x 1/2"	6 1/2"	120	330	GG	10"	
CQ010194	1/2" x 1/2"	6 1/2"	240	330	GG	10"	
CQ010057	1/2" x 1/2"	7"	120	385	GG	10"	
CQ010195	1/2" x 1/2"	7"	240	385	GG	10"	
CQ010058	1/2" x 1/2"	7 1/2"	120	390	GG	10"	
CQ010196	1/2" x 1/2"	7 1/2"	240	390	GG	10"	
CQ010059	1/2" x 1/2"	8"	120	440	GG	10"	
CQ010197	1/2" x 1/2"	8"	240	440	GG	10"	
CQ010060	1/2" x 1/2"	8 1/2"	120	465	GG	10"	
CQ010198	1/2" x 1/2"	8 1/2"	240	465	GG	10"	
CQ010061	1/2" x 1/2"	9"	120	480	GG	10"	
CQ010199	1/2" x 1/2"	9"	240	480	GG	10"	
CQ010062	1/2" x 1/2"	9 1/2"	120	495	GG	10"	
CQ010200	1/2" x 1/2"	9 1/2"	240	495	GG	10"	
CQ010063	1/2" x 1/2"	10"	120	520	GG	10"	
CQ010201	1/2" x 1/2"	10"	240	520	GG	10"	
CQ010065	1/2" x 1/2"	11"	120	550	GG	10"	
CQ010203	1/2" x 1/2"	11"	240	550	GG	10"	
CQ010067	1/2" x 1/2"	12"	120	605	GG	10"	
CQ010205	1/2" x 1/2"	12"	240	605	GG	10"	
CQ010069	1/2" x 1/2"	13"	120	660	GG	10"	
CQ010207	1/2" x 1/2"	13"	240	660	GG	10"	
CQ010071	1/2" x 1/2"	14"	120	690	GG	10"	
CQ010275	1/2" x 1/2"	14"	240	690	GG	10"	
CQ010073	1/2" x 1/2"	15"	120	725	GG	10"	
CQ010210	1/2" x 1/2"	15"	240	725	GG	10"	
CQ010075	1/2" x 1/2"	16"	120	770	GG	10"	
CQ010212	1/2" x 1/2"	16"	240	770	GG	10"	
CQ010077	1/2" x 1/2"	17"	120	815	GG	10"	
CQ020120	1/2" x 1/2"	17"	240	815	GG	10"	
CQ010079	1/2" x 1/2"	18"	120	850	GG	10"	
CQ010216	1/2" x 1/2"	18"	240	850	GG	10"	

*10" leads standard, other lengths available.



Hi-Temp 5/8" Square Cartridge Heaters



PART NO.	SIZE	LENGTH	VOLTS	WATTS	TYPE	LEAD LENGTH*	PRICE EACH
CQ010101	5/8" x 5/8"	6"	120	405	GG	10"	CALL FOR PRICING
CQ010238	5/8" x 5/8"	6"	240	405	GG	10"	
CQ010102	5/8" x 5/8"	6½"	120	400	GG	10"	
CQ010239	5/8" x 5/8"	6½"	240	400	GG	10"	
CQ010103	5/8" x 5/8"	7"	120	505	GG	10"	
CQ010240	5/8" x 5/8"	7"	240	505	GG	10"	
CQ010104	5/8" x 5/8"	7½"	120	495	GG	10"	
CQ010241	5/8" x 5/8"	7½"	240	495	GG	10"	
CQ010105	5/8" x 5/8"	8"	120	560	GG	10"	
CQ010242	5/8" x 5/8"	8"	240	560	GG	10"	
CQ010106	5/8" x 5/8"	8½"	120	575	GG	10"	
CQ010243	5/8" x 5/8"	8½"	240	575	GG	10"	
CQ010107	5/8" x 5/8"	9"	120	620	GG	10"	
CQ010244	5/8" x 5/8"	9"	240	620	GG	10"	
CQ010108	5/8" x 5/8"	9½"	120	620	GG	10"	
CQ010245	5/8" x 5/8"	9½"	240	620	GG	10"	
CQ010109	5/8" x 5/8"	10"	120	650	GG	10"	
CQ010246	5/8" x 5/8"	10"	240	650	GG	10"	
CQ010113	5/8" x 5/8"	12"	120	750	GG	10"	
CQ010250	5/8" x 5/8"	12"	240	750	GG	10"	
CQ010117	5/8" x 5/8"	14"	120	875	GG	10"	
CQ010254	5/8" x 5/8"	14"	240	875	GG	10"	
CQ010121	5/8" x 5/8"	16"	120	960	GG	10"	
CQ010258	5/8" x 5/8"	16"	240	960	GG	10"	
CQ010125	5/8" x 5/8"	18"	120	1035	GG	10"	
CQ010262	5/8" x 5/8"	18"	240	1035	GG	10"	
CQ010129	5/8" x 5/8"	20"	120	1150	GG	10"	
CQ010266	5/8" x 5/8"	20"	240	1150	GG	10"	
CQ010133	5/8" x 5/8"	22"	120	1210	GG	10"	
CQ010270	5/8" x 5/8"	22"	240	1210	GG	10"	
CQ010137	5/8" x 5/8"	24"	120	1320	GG	10"	
CQ010274	5/8" x 5/8"	24"	240	1320	GG	10"	

*10" leads standard, other lengths available.