LCH Cartridge Heaters

These stainless steel heaters are manufactured using fine heater element wire, helically wound and supported in a ceramic support tube to give maximum heat transfer to the outer shell.

The extension cables are 1000mm long with nickel conductors that are fibreglass/PTFE insulated, rated to +350°C.

As the surface temperature of the heater can reach a maximum of +650°C, cartridge heaters should be mounted in a reamed hole for maximum surface-to-surface contact. A temperature sensor mounted close to the bottom 1/3 of the precision drilled or reamed hole will ensure excellent temperature control and heater life.

- Manufactured to give maximum heat transfer to outer shell
- Fibreglass/PTFE insulated conductors (rated to +350°C)
- +650°C maximum surface temperature
- 230V as standard; other voltages available
- Metric/imperial sizes available

Technical Details	
Sheath Body and End Cap	Stainless Steel 300 series
Insulation	Ceramic former + pure magnesium oxide
Cable	1000mm extension lead, +350°C rated (Nickel Conductor/fibreglass/fibreglass silicone impregnated/PTFE impregnated)
Supply Voltage	230V AC Nominal (other voltages available)
Wattage	Nominal Wattage varies with voltage. W2=W1 (E2/E1)² (W1 = rated wattage, W2 = actual wattage, E1 = rated voltage, E2 = supply voltage)

Imperial					Metric				
OD (D) inches	length (L1) inches	wattage W	voltage V	order code	OD (D) mm	length (L1) mm	wattage W	voltage V	order code
1/4	1.0	100	230	LCH1/4-1.0-100-230	6.5	25	100	230	LCH6.5-025-100-230
1/4	1.5	150	230	LCH1/4-1.5-150-230	6.5	40	125	230	LCH6.5-040-125-230
1/4	2.0	150	230	LCH1/4-2.0-150-230	6.5	50	160	230	LCH6.5-050-160-230
1/4	2.5	200	230	LCH1/4-2.5-200-230	6.5	60	200	230	LCH6.5-060-200-230
1/4	3.0	250	230	LCH1/4-3.0-250-230	6.5	80	250	230	LCH6.5-080-250-230
1/4	4.0	300	230	LCH1/4-4.0-300-230	6.5	100	320	230	LCH6.5-100-320-230
1/4	5.0	350	230	LCH1/4-5.0-350-230	6.5	130	350	230	LCH6.5-130-350-230
1/4	6.0	500	230	LCH1/4-6.0-500-230	6.5	160	450	230	LCH6.5-160-450-230
3/8	2.0	200	230	LCH3/8-2.0-200-230	10.0	50	200	230	LCH10.0-050-200-230
3/8	3.0	400	230	LCH3/8-3.0-400-230	10.0	80	400	230	LCH10.0-080-400-230
3/8	4.0	500	230	LCH3/8-4.0-500-230	10.0	100	400	230	LCH10.0-100-400-230
3/8	5.0	500	230	LCH3/8-5.0-500-230	10.0	130	500	230	LCH10.0-130-500-230
3/8	6.0	600	230	LCH3/8-6.0-600-230	10.0	160	650	230	LCH10.0-160-650-230
3/8	8.0	1000	230	LCH3/8-8.0-1000-230	10.0	200	800	230	LCH10.0-200-800-230
1/2	2.0	200	230	LCH1/2-2.0-200-230	12.5	50	200	230	LCH12.5-050-200-230
1/2	3.0	250	230	LCH1/2-3.0-250-230	12.5	80	250	230	LCH12.5-080-250-230
1/2	4.0	400	230	LCH1/2-4.0-400-230	12.5	100	400	230	LCH12.5-100-400-230
1/2	5.0	500	230	LCH1/2-5.0-500-230	12.5	130	500	230	LCH12.5-130-500-230
1/2	6.0	600	230	LCH1/2-6.0-600-230	12.5	160	650	230	LCH12.5-160-650-230
1/2	8.0	800	230	LCH1/2-8.0-800-230	12.5	200	800	230	LCH12.5-200-800-230
1/2	10.0	1000	230	LCH1/2-10.0-1000-230	12.5	250	1000	230	LCH12.5-250-1000-230
5/8	2.0	300	230	LCH5/8-2.0-300-230	16.0	50	320	230	LCH16.0-050-320-230
5/8	3.0	400	230	LCH5/8-3.0-400-230	16.0	80	400	230	LCH16.0-080-400-230
5/8	4.0	500	230	LCH5/8-4.0-500-230	16.0	100	500	230	LCH16.0-100-500-230
5/8	5.0	800	230	LCH5/8-5.0-800-230	16.0	130	800	230	LCH16.0-130-800-230
5/8	6.0	1000	230	LCH5/8-6.0-1000-230	16.0	160	1000	230	LCH16.0-160-1000-230
5/8	8.0	1500	230	LCH5/8-8.0-1500-230	16.0	200	1600	230	LCH16.0-200-1600-230
5/8	10.0	2000	230	LCH5/8-10.0-2000-230	16.0	250	2000	230	LCH16.0-250-2000-230

Note: other lengths, wattages and supply voltages are available.

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