

Domestic Immersion Heaters - CX

Application

Caloritech™ domestic immersion heaters have been developed as high quality replacements for the most commonly used heater types.

In cases where the old style resistor type element is called for, choose a tin or zinc plated element. The plating reduces galvanic current within the tank, thus reducing corrosion and providing a longer heater and tank life. The elements are also epoxy sealed to protect the heater from moisture and other contaminants which could otherwise lead to premature element failure.

Choose a suitable element from the following tables or have your nearest Caloritech™ representative assist you in your selection.

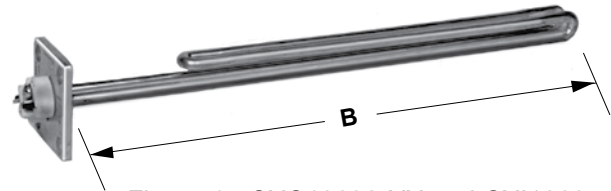


Figure 1 - CXC10632-XX and CXI10635-XX

Table 1 - Domestic Immersion Heaters

'B' Dim		Watts	Volts	Catalog Number	Replacement Cat. No.		
in	mm				Chrom'x	Giant	GSW
2 1/2" Sq. Flange - Tinned Copper Sheath (Figure 1)							
6.500	165	500	120	CXC10632-01	20200-010	-	-
8.000	203	1000	120	CXC10632-07	20200-160 / 20204-070	9G10	85075
8.000	203	1000	240	CXC10632-09	20200-180 / 20204-090	10G10	85079
11.000	279	1500	120	CXC10632-13	20200-250 / 20204-130	9G15	85100
11.000	279	1500	240	CXC10632-15	20200-260 / 20204-150	10G15	85104
6.500	165	1500	120	CXC10632-16	-	-	-
14.500	368	2000	208	CXC10632-20	20200-680	-	-
11.250	286	3000	120	CXC10632-28	20200-760 / 20204-490	9G30	85202
11.250	286	3000	208	CXC10632-29	20200-770 / 20204-500	9AG30	85200
11.250	286	3000	240	CXC10632-30	20200-780 / 20204-510	10G30	85201
11.000	279	3000	240	CXC10632-33	-	-	-
2 1/2" Sq. Flange - Tinned Copper Sheath (Figure 1)							
15.750	400	4500	208	CXC10632-35	20200-860 / 20204-560	9AG45	85302
15.750	400	4500	240	CXC10632-36	20200-870 / 20204-570	10G45	85304
17.500	445	5000	208	CXC10632-41	20200-890 / 20204-590	9AG50	85402
17.500	445	5000	240	CXC10632-42	20200-900 / 20204-600	10G50	85400
9.500	241	5000	280	CXC10632-44	-	-	-
9.500	241	5000	240	CXC10632-45	-	-	-
21.000	533	6000	240	CXC10632-48	20200-930 / 20204-690	10G60	85501
11.250	286	6000	280	CXC10632-50	-	-	-
11.250	286	6000	240	CXC10632-51	-	-	-
2 1/2" Sq. Flange - Incoloy® Sheath (Figure 1)							
8.750	222	2000	600	CXI10635-03	20205-020	-	-
11.625	295	3000	600	CXI10635-06	20205-040	-	-
13.875	352	4500	600	CXI10635-09	20205-200	-	-
15.125	384	5000	600	CXI10635-12	20205-220	-	-
17.875	454	6000	600	CXI10635-15	20205-240	-	-

'B' Dim		Watts	Volts	Catalog Number	Replacement Cat. No.		
in	mm				Chrom'x	Giant	GSW
1" Tapered Brass Plug - Copper Sheath (Figure 2, Page B14)							
5.500	140	500	120	CXC10640-01	30201-070	-	-
5.500	140	500	240	CXC10640-03	30201-090	-	-
5.500	140	750	120	CXC10640-04	30201-130	-	-
5.500	140	750	240	CXC10640-06	30201-150	-	-
7.000	178	1000	120	CXC10640-07	30201-190	1G10	80469
7.000	178	1000	240	CXC10640-09	30201-210	2G10	80472
15.250	394	1500	208	CXC10640-11	-	-	-
15.250	394	1500	240	CXC10640-12	-	-	-
10.500	267	1500	120	CXC10640-13	30201-250	1G15	80470
10.500	267	1500	208	CXC10640-14	-	-	-
10.500	267	1500	240	CXC10640-15	30201-270	2G15	80472
6.500	165	1500	120	CXC10640-16	-	-	-
6.500	165	1500	208	CXC10640-17	-	-	-
6.500	165	1500	240	CXC10640-18	-	-	-
14.000	356	2000	208	CXC10640-20	-	-	-
14.000	356	2000	240	CXC10640-21	-	-	-
7.500	191	2000	120	CXC10640-22	30201-280	-	-
7.500	191	2000	208	CXC10640-23	-	-	-
7.500	191	2000	240	CXC10640-24	30201-300	-	-
9.000	229	2500	208	CXC10640-26	-	-	-
9.000	229	2500	240	CXC10640-27	-	-	-
10.750	273	3000	120	CXC10640-28	30201-340	-	-
10.750	273	3000	208	CXC10640-29	-	-	-
10.750	273	3000	240	CXC10640-30	30201-360	2G30	80473
6.000	152	3000	120	CXC10640-31	-	-	-
6.000	152	3000	208	CXC10640-32	-	-	-
6.000	152	3000	240	CXC10640-33	-	-	-
15.250	394	4500	208	CXC10640-35	-	-	-
15.250	394	4500	240	CXC10640-36	30201-420	-	-
8.250	210	4500	208	CXC10640-38	-	-	-
8.250	210	4500	240	CXC10640-39	-	-	-
17.000	432	5000	208	CXC10640-41	-	-	-
17.000	432	5000	240	CXC10640-42	30201-450	-	-
9.000	229	5000	208	CXC10640-44	-	-	-
9.000	229	5000	240	CXC10640-45	-	-	-
20.500	521	6000	208	CXC10640-47	-	-	-
20.500	521	6000	240	CXC10640-48	-	-	-
10.750	273	6000	208	CXC10640-50	-	-	-
10.750	273	6000	240	CXC10640-51	-	-	-
1" Non-Tapered Brass Plug - Copper Sheath (Figure 3, Page B14)							
6.500	165	500	120	CXC10642-01	20704-070	-	-
6.500	165	500	240	CXC10642-02	20704-090	-	-
6.500	165	750	120	CXC10642-04	-	-	-

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Inventory:

These heaters are normally stocked in limited quantities.



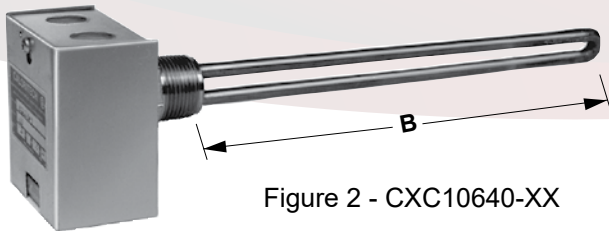


Figure 2 - CXC10640-XX

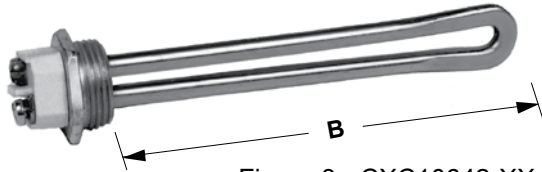


Figure 3 - CXC10642-XX

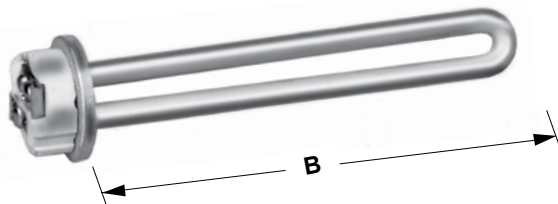


Figure 4 - CXC10636-XX

Type Aw Replacement Thermostats And Type HLC1610 High Limit Cutout

Type AW thermostats are replacement units for all storage-type domestic water heaters. They are for use with immersion or wrap around type elements and can be screw or clamp mounted.

Type HLC1610 high limit controls are specifically designed for domestic hot water heater protection.

Table 2 - Domestic Immersion Heater Thermostats and High Limit with Manual Reset

CATALOG NUMBER	ELECTRICAL RATING	CIRCUIT HOP	TEMP. °F (°C)
AW7025	240V 25 amp Single Pole Single Throw	on temp. rise	120 to 180 (49 to 82)
AW7135	240V 25 amp Single Pole Double Throw	Circuit 1 on temp. rise Circuit 2 on temp. fall	120 to 180 (49 to 82)
HLC1610	240V 25 amp Double Pole Double Throw	on temp. rise	190 ± 5 (88 ± 2.8)

Table 1 (Continued) - Domestic Immersion Heaters

'B' Dim		Watts	Volts	Catalog Number	Replacement Cat. No.		
in	mm				Chrom'x	Giant	GSW
1" Non-Tapered Brass Plug - Copper Sheath (Figure 3)							
6.500	165	750	240	CXC10642-06	-	-	-
8.000	203	1000	120	CXC10642-07	20704-190	3G10/80	-
8.000	203	1000	240	CXC10642-09	20704-210	04G10/80	-
15.750	400	1500	120	CXC10642-10	-	-	-
15.750	400	1500	240	CXC10642-12	-	-	-
11.000	279	1500	120	CXC10642-13	20704-580	04G20/80	80476
11.000	279	1500	240	CXC10642-15	20704-600	-	80474
6.500	165	1500	120	CXC10642-16	20704-640	-	-
6.500	165	1500	240	CXC10642-18	20704-660	-	-
14.500	368	2000	240	CXC10642-21	-	-	-
8.000	203	2000	120	CXC10642-22	20704-280	-	-
8.000	203	2000	208	CXC10642-23	20704-290	3AG20/80	-
8.000	203	2000	240	CXC10642-24	20704-300	04G20/80	-
9.500	241	2500	120	CXC10642-25	20704-310	-	-
9.500	241	2500	240	CXC10642-27	20704-330	-	-
11.250	286	3000	120	CXC10642-28	20704-340	-	-
11.250	286	3000	208	CXC10642-29	20704-350	3AG30/80	-
11.250	286	3000	240	CXC10642-30	20704-360	04G60/80	80475
6.500	165	3000	240	CXC10642-33	20704-690	-	-
15.750	400	4500	208	CXC10642-35	20704-410	3AG45/80	-
15.750	400	4500	240	CXC10642-36	20704-420	04G45/80	80477
8.750	222	4500	208	CXC10642-38	20704-710	-	-
8.750	222	4500	240	CXC10642-39	20704-720	-	-
17.500	445	5000	208	CXC10642-41	20704-440	3AG50/80	-
17.500	445	5000	240	CXC10642-42	20704-450	04G50/80	-
9.500	241	5000	208	CXC10642-44	-	-	-
9.500	241	5000	240	CXC10642-45	-	-	-
21.000	533	6000	240	CXC10642-48	20704-510	04G50/80	-
11.250	286	6000	240	CXC10642-51	-	-	-
Round Flange - Zinc Plated Copper Sheath (Figure 4)							
11.250	286	4500	240	CXC10636-12	-	-	-



Figure 5 - AW7025 Thermostat



Figure 6 - AW7135 Thermostat



Figure 7 - HLC1610 High Limit

Inventory:

These heaters are normally stocked in limited quantities.