

FLANGED IMMERSION HEATERS

CLEAN WATER HEATING

- Copper Elements
- 45 watts/square inch

Freeze protection, hot water storage, cooling towers, and the heating of other solutions not corrosive to copper

- Maximum pH range of 6–8
- Less than 1% solution of alkaline or acid content
- See Watt Density and Operating Temperature Guideline (23T)
- See Corrosion Resistance of Sheath Materials (24T)

3" 150 LB ASA STEEL FLANGE					CATALOG NUMBERS	
KILOWATTS	VOLTS	PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 1	FIG. 2
6	240	1	1	18 $\frac{1}{2}$ "	K3C-3-0001-M1	K3C-3-0001-M7
6	240	3	1		K3C-3-0002-M1	K3C-3-0002-M7
6	480	1	1		K3C-3-0003-M1	K3C-3-0003-M7
6	480	3	1		K3C-3-0004-M1	K3C-3-0004-M7
9	240	1	1	25 $\frac{1}{2}$ "	K3C-3-0005-M1	K3C-3-0005-M7
9	240	3	1		K3C-3-0006-M1	K3C-3-0006-M7
9	480	1	1		K3C-3-0007-M1	K3C-3-0007-M7
9	480	3	1		K3C-3-0008-M1	K3C-3-0008-M7
12	240	1	1	33 $\frac{1}{2}$ "	K3C-3-0009-M1	K3C-3-0009-M7
12	240	3	1		K3C-3-0010-M1	K3C-3-0010-M7
12	480	1	1		K3C-3-0011-M1	K3C-3-0011-M7
12	480	3	1		K3C-3-0012-M1	K3C-3-0012-M7
15	240	1	1	40 $\frac{1}{2}$ "	K3C-3-0013-M1	K3C-3-0013-M7
15	240	3	1		K3C-3-0014-M1	K3C-3-0014-M7
15	480	1	1		K3C-3-0015-M1	K3C-3-0015-M7
15	480	3	1		K3C-3-0016-M1	K3C-3-0016-M7
18	240	1	1	48 $\frac{1}{2}$ "	K3C-3-0017-M1	K3C-3-0017-M7
18	240	3	1		K3C-3-0018-M1	K3C-3-0018-M7
18	480	1	1		K3C-3-0019-M1	K3C-3-0019-M7
18	480	3	1		K3C-3-0020-M1	K3C-3-0020-M7

4" 150 LB ASA STEEL FLANGE					CATALOG NUMBERS	
KILOWATTS	VOLTS	PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 3	FIG. 4
9	240	1	1	13 $\frac{1}{2}$ "	K4C-6-0028-M1	K4C-6-0028-M7
9	240	3	1		K4C-6-0029-M1	K4C-6-0029-M7
9	480	1	1		K4C-6-0030-M1	K4C-6-0030-M7
9	480	3	1		K4C-6-0031-M1	K4C-6-0031-M7
12	240	1	1	18"	K4C-6-0032-M1	K4C-6-0032-M7
12	240	3	1		K4C-6-0033-M1	K4C-6-0033-M7
12	480	1	1		K4C-6-0034-M1	K4C-6-0034-M7
12	480	3	1		K4C-6-0035-M1	K4C-6-0035-M7
15	240	1	2	20 $\frac{1}{2}$ "	K4C-6-0036-M1	K4C-6-0036-M7
15	240	3	1		K4C-6-0037-M1	K4C-6-0037-M7
15	480	1	1		K4C-6-0038-M1	K4C-6-0038-M7
15	480	3	1		K4C-6-0039-M1	K4C-6-0039-M7
18	240	1	2	25 $\frac{1}{2}$ "	K4C-6-0040-M1	K4C-6-0040-M7
18	240	3	1		K4C-6-0041-M1	K4C-6-0041-M7
18	480	1	1		K4C-6-0042-M1	K4C-6-0042-M7
18	480	3	1		K4C-6-0043-M1	K4C-6-0043-M7
24	240	3	2	33"	K4C-6-0044-M1	K4C-6-0044-M7
24	480	3	1		K4C-6-0045-M1	K4C-6-0045-M7
30	240	3	2	40 $\frac{1}{2}$ "	K4C-6-0046-M1	K4C-6-0046-M7
30	480	3	1		K4C-6-0047-M1	K4C-6-0047-M7
36	240	3	2	48"	K4C-6-0048-M1	K4C-6-0048-M7
36	480	3	1		K4C-6-0049-M1	K4C-6-0049-M7

COPPER ELEMENTS: 45 watts/square inch

5" 150 LB ASA STEEL FLANGE				CATALOG NUMBERS	
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 5	FIG. 6
12	240	1	18 $\frac{1}{8}$ "	K5C-6-0008-M1	K5C-6-0008-M7
12	480	1		K5C-6-0009-M1	K5C-6-0009-M7
15	240	1	19 $\frac{1}{8}$ "	K5C-6-0010-M1	K5C-6-0010-M7
15	480	1		K5C-6-0011-M1	K5C-6-0011-M7
18	240	1	25 $\frac{1}{8}$ "	K5C-6-0012-M1	K5C-6-0012-M7
18	480	1		K5C-6-0013-M1	K5C-6-0013-M7
24	240	2	33 $\frac{1}{8}$ "	K5C-6-0014-M1	K5C-6-0014-M7
24	480	1		K5C-6-0015-M1	K5C-6-0015-M7
30	240	2	40 $\frac{1}{8}$ "	K5C-6-0016-M1	K5C-6-0016-M7
30	480	1		K5C-6-0017-M1	K5C-6-0017-M7
40	240	2	52 $\frac{1}{8}$ "	K5C-6-0018-M1	K5C-6-0018-M7
40	480	1		K5C-6-0019-M1	K5C-6-0019-M7
50	480	2	65 $\frac{1}{8}$ "	K5C-6-0020-M1	K5C-6-0020-M7
60	480	2	78 $\frac{1}{8}$ "	K5C-6-0021-M1	K5C-6-0021-M7

6" 150 LB ASA STEEL FLANGE				CATALOG NUMBERS		
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 7	FIG. 8	FIG. 9
36	240	2	25%	K6C-12-0004-M1	K6C-12-0004-M5	K6C-12-0004-M6
36	480	1		K6C-12-0005-M1	K6C-12-0005-M5	K6C-12-0005-M6
48	240	2	33	K6C-12-0006-M1	K6C-12-0006-M5	K6C-12-0006-M6
48	480	2		K6C-12-0007-M1	K6C-12-0007-M5	K6C-12-0007-M6
60	240	4	40 $\frac{1}{2}$	K6C-12-0008-M1	K6C-12-0008-M5	K6C-12-0008-M6
60	480	2		K6C-12-0009-M1	K6C-12-0009-M5	K6C-12-0009-M6
72	240	4	48	K6C-12-0010-M1	K6C-12-0010-M5	K6C-12-0010-M6
72	480	2		K6C-12-0011-M1	K6C-12-0011-M5	K6C-12-0011-M6

8" 150 LB ASA STEEL FLANGE				CATALOG NUMBERS		
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 10	FIG. 11	FIG. 12
50	240	3	27%	K8C-18-0001-M1	K8C-18-0001-M5	K8C-18-0001-M6
50	480	2		K8C-18-0002-M1	K8C-18-0002-M5	K8C-18-0002-M6
75	240	3	36%	K8C-18-0003-M1	K8C-18-0003-M5	K8C-18-0003-M6
75	480	2		K8C-18-0004-M1	K8C-18-0004-M5	K8C-18-0004-M6
100	240	3	43 $\frac{1}{8}$ "	K8C-18-0005-M1	K8C-18-0005-M5	K8C-18-0005-M6
100	480	3		K8C-18-0006-M1	K8C-18-0006-M5	K8C-18-0006-M6
120	240	6	51%	K8C-18-0007-M1	K8C-18-0007-M5	K8C-18-0007-M6
120	480	3		K8C-18-0008-M1	K8C-18-0008-M5	K8C-18-0008-M6
150	480	3	61%	K8C-18-0010-M1	K8C-18-0010-M5	K8C-18-0010-M6
175	480	3	69%	K8C-18-0012-M1	K8C-18-0012-M5	K8C-18-0012-M6
200	480	3	78%	K8C-18-0014-M1	K8C-18-0014-M5	K8C-18-0014-M6

10" 150 LB ASA STEEL FLANGE				CATALOG NUMBERS		
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 13	FIG. 14	FIG. 15
100	480	3	32	K10C-27-0006-M1	K10C-27-0006-M5	K10C-27-0006-M6
145	480	9	43 $\frac{1}{8}$ "	K10C-27-0008-M1	K10C-27-0008-M5	K10C-27-0008-M6
175	480	9	51%	K10C-27-0010-M1	K10C-27-0010-M5	K10C-27-0010-M6
210	480	9	61%	K10C-27-0012-M1	K10C-27-0012-M5	K10C-27-0012-M6
240	480	9	69%	K10C-27-0014-M1	K10C-27-0014-M5	K10C-27-0014-M6
280	480	9	78%	K10C-27-0016-M1	K10C-27-0016-M5	K10C-27-0016-M6

12" 150 LB ASA STEEL FLANGE				CATALOG NUMBERS		
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 16	FIG. 17	FIG. 18
135	480	4	32	K12C-36-0006-M1	K12C-36-0006-M5	K12C-36-0006-M6
195	480	6	43 $\frac{1}{8}$ "	K12C-36-0008-M1	K12C-36-0008-M5	K12C-36-0008-M6
235	480	6	51%	K12C-36-0010-M1	K12C-36-0010-M5	K12C-36-0010-M6
285	480	6	61%	K12C-36-0012-M1	K12C-36-0012-M5	K12C-36-0012-M6
325	480	6	69%	K12C-36-0014-M1	K12C-36-0014-M5	K12C-36-0014-M6
370	480	12	78%	K12C-36-0016-M1	K12C-36-0016-M5	K12C-36-0016-M6

14" 150 LB ASA STEEL FLANGE				CATALOG NUMBERS		
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 19	FIG. 20	FIG. 21
165	480	5	32	K14C-45-0003-M1	K14C-45-0003-M5	K14C-45-0003-M6
240	480	5	43 $\frac{1}{8}$ "	K14C-45-0005-M1	K14C-45-0005-M5	K14C-45-0005-M6
295	480	5	51%	K14C-45-0007-M1	K14C-45-0007-M5	K14C-45-0007-M6
355	480	10	61%	K14C-60-0009-M1*	K14C-60-0009-M5*	K14C-60-0009-M6*
405	480	10	69%	K14C-60-0011-M1*	K14C-60-0011-M5*	K14C-60-0011-M6*
465	480	10	78%	K14C-60-0013-M1*	K14C-60-0013-M5*	K14C-60-0013-M6*

*60 elements—35 watts/sq. in.