

## FLANGED IMMERSION HEATERS

### LIGHT WEIGHT OIL HEATING

- Steel Elements
- 22 watts/square inch

Fluid heat transfer oils, synthetic heat transfer materials, maintaining or raising the temperature of bulk stored oils or other hydrocarbon materials to pumping viscosity, degreasing or solvent oils

- 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
3	240	1	1	18 $\frac{1}{8}$ "	K3S-3-0021-M1	K3S-3-0021-M7
3	240	3	1		K3S-3-0022-M1	K3S-3-0022-M7
3	480	1	1		K3S-3-0023-M1	K3S-3-0023-M7
3	480	3	1		K3S-3-0024-M1	K3S-3-0024-M7
4.5	240	1	1	25 $\frac{1}{8}$ "	K3S-3-0025-M1	K3S-3-0025-M7
4.5	240	3	1		K3S-3-0026-M1	K3S-3-0026-M7
4.5	480	1	1		K3S-3-0027-M1	K3S-3-0027-M7
4.5	480	3	1		K3S-3-0028-M1	K3S-3-0028-M7
6	240	1	1	33 $\frac{1}{8}$ "	K3S-3-0029-M1	K3S-3-0029-M7
6	240	3	1		K3S-3-0030-M1	K3S-3-0030-M7
6	480	1	1		K3S-3-0031-M1	K3S-3-0031-M7
6	480	3	1		K3S-3-0032-M1	K3S-3-0032-M7
7.5	240	1	1	40 $\frac{1}{8}$ "	K3S-3-0033-M1	K3S-3-0033-M7
7.5	240	3	1		K3S-3-0034-M1	K3S-3-0034-M7
7.5	480	1	1		K3S-3-0035-M1	K3S-3-0035-M7
7.5	480	3	1		K3S-3-0036-M1	K3S-3-0036-M7
9	240	1	1	48 $\frac{1}{8}$ "	K3S-3-0037-M1	K3S-3-0037-M7
9	240	3	1		K3S-3-0038-M1	K3S-3-0038-M7
9	480	1	1		K3S-3-0039-M1	K3S-3-0039-M7
9	480	3	1		K3S-3-0040-M1	K3S-3-0040-M7

4" 150 LB ASA STEEL FLANGE					CATALOG NUMBERS	
KILOWATTS	VOLTS	PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 3	FIG. 4
6	240	1	1	18	K4S-6-0094-M1	K4S-6-0094-M7
6	240	3	1		K4S-6-0095-M1	K4S-6-0095-M7
6	480	1	1		K4S-6-0096-M1	K4S-6-0096-M7
6	480	3	1		K4S-6-0097-M1	K4S-6-0097-M7
9	240	1	1	25 $\frac{1}{2}$ "	K4S-6-0098-M1	K4S-6-0098-M7
9	240	3	1		K4S-6-0099-M1	K4S-6-0099-M7
9	480	1	1		K4S-6-0100-M1	K4S-6-0100-M7
9	480	3	1		K4S-6-0101-M1	K4S-6-0101-M7
12	240	3	1	33	K4S-6-0102-M1	K4S-6-0102-M7
12	480	3	1		K4S-6-0103-M1	K4S-6-0103-M7
15	240	3	1	40 $\frac{1}{2}$ "	K4S-6-0104-M1	K4S-6-0104-M7
15	480	3	1		K4S-6-0105-M1	K4S-6-0105-M7
18	240	3	1	48	K4S-6-0106-M1	K4S-6-0106-M7
18	480	3	1		K4S-6-0107-M1	K4S-6-0107-M7
25	240	3	2	64 $\frac{1}{2}$ "	K4S-6-0108-M1	K4S-6-0108-M7
25	480	3	1		K4S-6-0109-M1	K4S-6-0109-M7
30	240	3	2	77	K4S-6-0110-M1	K4S-6-0110-M7
30	480	3	1		K4S-6-0111-M1	K4S-6-0111-M7

5" 150 LB ASA STEEL FLANGE					CATALOG NUMBERS	
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 5	FIG. 6	
6	240	1	18 $\frac{1}{8}$ "	K5S-6-0022-M1	K5S-6-0022-M7	
7.5	240	1	19 $\frac{3}{8}$ "	K5S-6-0023-M1	K5S-6-0023-M7	
9	240	1	25 $\frac{1}{8}$ "	K5S-6-0024-M1	K5S-6-0024-M7	
9	480	1		K5S-6-0025-M1	K5S-6-0025-M7	
12	240	1	33 $\frac{1}{8}$ "	K5S-6-0026-M1	K5S-6-0026-M7	
12	480	1		K5S-6-0027-M1	K5S-6-0027-M7	
15	240	1	40 $\frac{1}{8}$ "	K5S-6-0028-M1	K5S-6-0028-M7	
15	480	1		K5S-6-0029-M1	K5S-6-0029-M7	
20	240	2	52 $\frac{1}{8}$ "	K5S-6-0030-M1	K5S-6-0030-M7	
20	480	1		K5S-6-0031-M1	K5S-6-0031-M7	
25	240	2	65 $\frac{1}{8}$ "	K5S-6-0032-M1	K5S-6-0032-M7	
25	480	1		K5S-6-0033-M1	K5S-6-0033-M7	
30	240	2	78 $\frac{1}{8}$ "	K5S-6-0034-M1	K5S-6-0034-M7	
30	480	1		K5S-6-0035-M1	K5S-6-0035-M7	

**STEEL ELEMENTS—22 watts/square inch**

6" 150 LB ASA STEEL FLANGE				CATALOG NUMBERS		
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 7	FIG. 8	FIG. 9
18	240	1	25½	K6S-12-0012-M1	K6S-12-0012-M5	K6S-12-0012-M6
18	480	1		K6S-12-0013-M1	K6S-12-0013-M5	K6S-12-0013-M6
24	240	2	33	K6S-12-0014-M1	K6S-12-0014-M5	K6S-12-0014-M6
24	480	1		K6S-12-0015-M1	K6S-12-0015-M5	K6S-12-0015-M6
30	240	2	40½	K6S-12-0016-M1	K6S-12-0016-M5	K6S-12-0016-M6
30	480	1		K6S-12-0017-M1	K6S-12-0017-M5	K6S-12-0017-M6
36	240	2	48	K6S-12-0018-M1	K6S-12-0018-M5	K6S-12-0018-M6
36	480	1		K6S-12-0019-M1	K6S-12-0019-M5	K6S-12-0019-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
30	240	2	32%	K8S-18-0015-M1	K8S-18-0015-M5	K8S-18-0015-M6
30	480	1		K8S-18-0016-M1	K8S-18-0016-M5	K8S-18-0016-M6
40	240	2	43½%	K8S-18-0017-M1	K8S-18-0017-M5	K8S-18-0017-M6
40	480	1		K8S-18-0018-M1	K8S-18-0018-M5	K8S-18-0018-M6
50	240	3	51%	K8S-18-0019-M1	K8S-18-0019-M5	K8S-18-0019-M6
50	480	2		K8S-18-0020-M1	K8S-18-0020-M5	K8S-18-0020-M6
60	240	3	61%	K8S-18-0021-M1	K8S-18-0021-M5	K8S-18-0021-M6
60	480	2		K8S-18-0022-M1	K8S-18-0022-M5	K8S-18-0022-M6
70	240	3	69%	K8S-18-0023-M1	K8S-18-0023-M5	K8S-18-0023-M6
70	480	2		K8S-18-0024-M1	K8S-18-0024-M5	K8S-18-0024-M6
80	240	3	78%	K8S-18-0025-M1	K8S-18-0025-M5	K8S-18-0025-M6
80	480	2		K8S-18-0026-M1	K8S-18-0026-M5	K8S-18-0026-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
50	240	3	32	K10S-27-0017-M1	K10S-27-0017-M5	K10S-27-0017-M6
50	480	1		K10S-27-0018-M1	K10S-27-0018-M5	K10S-27-0018-M6
70	240	3	43½%	K10S-27-0019-M1	K10S-27-0019-M5	K10S-27-0019-M6
70	480	1		K10S-27-0020-M1	K10S-27-0020-M5	K10S-27-0020-M6
85	240	3	51%	K10S-27-0021-M1	K10S-27-0021-M5	K10S-27-0021-M6
85	480	3		K10S-27-0022-M1	K10S-27-0022-M5	K10S-27-0022-M6
105	480	3	61%	K10S-27-0024-M1	K10S-27-0024-M5	K10S-27-0024-M6
120	480	3	69%	K10S-27-0026-M1	K10S-27-0026-M5	K10S-27-0026-M6
135	480	3	78%	K10S-27-0028-M1	K10S-27-0028-M5	K10S-27-0028-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
65	240	3	32	K12S-36-0017-M1	K12S-36-0017-M5	K12S-36-0017-M6
65	480	3		K12S-36-0018-M1	K12S-36-0018-M5	K12S-36-0018-M6
95	480	3	43½%	K12S-36-0020-M1	K12S-36-0020-M5	K12S-36-0020-M6
115	480	3	51%	K12S-36-0022-M1	K12S-36-0022-M5	K12S-36-0022-M6
140	480	4	61%	K12S-36-0024-M1	K12S-36-0024-M5	K12S-36-0024-M6
160	480	4	69%	K12S-36-0026-M1	K12S-36-0026-M5	K12S-36-0026-M6
180	480	6	78%	K12S-36-0028-M1	K12S-36-0028-M5	K12S-36-0028-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
80	240	5	32	K14S-45-0014-M1	K14S-45-0014-M5	K14S-45-0014-M6
80	480	3		K14S-45-0015-M1	K14S-45-0015-M5	K14S-45-0015-M6
120	480	5	43½%	K14S-45-0017-M1	K14S-45-0017-M5	K14S-45-0017-M6
145	480	5	51%	K14S-45-0019-M1	K14S-45-0019-M5	K14S-45-0019-M6
175	480	5	61%	K14S-45-0021-M1	K14S-45-0021-M5	K14S-45-0021-M6
200	480	5	69%	K14S-45-0023-M1	K14S-45-0023-M5	K14S-45-0023-M6
225	480	5	78%	K14S-45-0025-M1	K14S-45-0025-M5	K14S-45-0025-M6