

FLANGED IMMERSION HEATERS

MEDIUM WEIGHT OIL HEATING

- Steel Elements
- 3-8" flange: 13 watts/square inch
- Over 8" flange: 11 watts/square inch

Medium viscosity oils, gear oils, fuel oil and other materials where low watt density heating is required

- 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	25%	K3S-3-0041-M1	K3S-3-0041-M7
3	240	3	1		K3S-3-0042-M1	K3S-3-0042-M7
3	480	1	1		K3S-3-0043-M1	K3S-3-0043-M7
3	480	3	1		K3S-3-0044-M1	K3S-3-0044-M7
4	240	1	1	33%	K3S-3-0045-M1	K3S-3-0045-M7
4	240	3	1		K3S-3-0046-M1	K3S-3-0046-M7
4	480	1	1		K3S-3-0047-M1	K3S-3-0047-M7
4	480	3	1		K3S-3-0048-M1	K3S-3-0048-M7
6	240	1	1	48%	K3S-3-0049-M1	K3S-3-0049-M7
6	240	3	1		K3S-3-0050-M1	K3S-3-0050-M7
6	480	1	1		K3S-3-0051-M1	K3S-3-0051-M7
6	480	3	1		K3S-3-0052-M1	K3S-3-0052-M7

4" 150 LB ASA STEEL FLANGE					CATALOG NUMBERS	
KILOWATTS	VOLTS	PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 3	FIG. 4
3	240	1	1	18	K4S-6-0112-M1	K4S-6-0112-M7
3	240	3	1		K4S-6-0113-M1	K4S-6-0113-M7
3	480	1	1		K4S-6-0114-M1	K4S-6-0114-M7
3	480	3	1		K4S-6-0115-M1	K4S-6-0115-M7
6	240	1	1	25%	K4S-6-0116-M1	K4S-6-0116-M7
6	240	3	1		K4S-6-0117-M1	K4S-6-0117-M7
6	480	1	1		K4S-6-0118-M1	K4S-6-0118-M7
6	480	3	1		K4S-6-0119-M1	K4S-6-0119-M7
8	240	3	1	33	K4S-6-0120-M1	K4S-6-0120-M7
8	480	3	1		K4S-6-0121-M1	K4S-6-0121-M7
10	240	3	1	40%	K4S-6-0122-M1	K4S-6-0122-M7
10	480	3	1		K4S-6-0123-M1	K4S-6-0123-M7
12	240	3	1	48	K4S-6-0124-M1	K4S-6-0124-M7
12	480	3	1		K4S-6-0125-M1	K4S-6-0125-M7

5" 150 LB ASA STEEL FLANGE				CATALOG NUMBERS	
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 5	FIG. 6
8	240	1	33%	K5S-6-0036-M1	K5S-6-0036-M7
8	480	1		K5S-6-0037-M1	K5S-6-0037-M7
10	240	1	40%	K5S-6-0038-M1	K5S-6-0038-M7
10	480	1		K5S-6-0039-M1	K5S-6-0039-M7
12	240	1	48%	K5S-6-0040-M1	K5S-6-0040-M7
12	480	1		K5S-6-0041-M1	K5S-6-0041-M7
15	240	1	57%	K5S-6-0042-M1	K5S-6-0042-M7
15	480	1		K5S-6-0043-M1	K5S-6-0043-M7
18	240	1	78%	K5S-6-0044-M1	K5S-6-0044-M7
18	480	1		K5S-6-0045-M1	K5S-6-0045-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
9	240	1	25%	K6S-12-0168-M1	K6S-12-0168-M5	K6S-12-0168-M6
9	480	1		K6S-12-0169-M1	K6S-12-0169-M5	K6S-12-0169-M6
12	240	1	33	K6S-12-0170-M1	K6S-12-0170-M5	K6S-12-0170-M6
12	480	1		K6S-12-0171-M1	K6S-12-0171-M5	K6S-12-0171-M6
15	240	1	40%	K6S-12-0172-M1	K6S-12-0172-M5	K6S-12-0172-M6
15	480	1		K6S-12-0173-M1	K6S-12-0173-M5	K6S-12-0173-M6
18	240	1	48	K6S-12-0174-M1	K6S-12-0174-M5	K6S-12-0174-M6
18	480	1		K6S-12-0175-M1	K6S-12-0175-M5	K6S-12-0175-M6

STEEL ELEMENTS— 11-13 watts/square inch

8" 150 LB ASA STEEL FLANGE				CATALOG NUMBERS		
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 10	FIG. 11	FIG. 12
20	240	1	32%	K8S-18-0052-M1	K8S-18-0052-M5	K8S-18-0052-M6
20	480	1		K8S-18-0053-M1	K8S-18-0053-M5	K8S-18-0053-M6
25	240	2	43 ¹ / ₁₆	K8S-18-0054-M1	K8S-18-0054-M5	K8S-18-0054-M6
25	480	1		K8S-18-0055-M1	K8S-18-0055-M5	K8S-18-0055-M6
30	240	2	51%	K8S-18-0056-M1	K8S-18-0056-M5	K8S-18-0056-M6
30	480	1		K8S-18-0057-M1	K8S-18-0057-M5	K8S-18-0057-M6
35	240	2	61%	K8S-18-0058-M1	K8S-18-0058-M5	K8S-18-0058-M6
35	480	1		K8S-18-0059-M1	K8S-18-0059-M5	K8S-18-0059-M6
40	240	2	69%	K8S-18-0060-M1	K8S-18-0060-M5	K8S-18-0060-M6
40	480	1		K8S-18-0061-M1	K8S-18-0061-M5	K8S-18-0061-M6
45	240	3	78%	K8S-18-0062-M1	K8S-18-0062-M5	K8S-18-0062-M6
45	480	2		K8S-18-0063-M1	K8S-18-0063-M5	K8S-18-0063-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
25	240	3	32	K10S-27-0029-M1	K10S-27-0029-M5	K10S-27-0029-M6
25	480	1		K10S-27-0030-M1	K10S-27-0030-M5	K10S-27-0030-M6
35	240	3	43 ¹ / ₁₆	K10S-27-0031-M1	K10S-27-0031-M5	K10S-27-0031-M6
35	480	1		K10S-27-0032-M1	K10S-27-0032-M5	K10S-27-0032-M6
45	240	3	51%	K10S-27-0033-M1	K10S-27-0033-M5	K10S-27-0033-M6
45	480	3		K10S-27-0034-M1	K10S-27-0034-M5	K10S-27-0034-M6
50	240	3	61%	K10S-27-0035-M1	K10S-27-0035-M5	K10S-27-0035-M6
50	480	3		K10S-27-0036-M1	K10S-27-0036-M5	K10S-27-0036-M6
60	240	3	69%	K10S-27-0037-M1	K10S-27-0037-M5	K10S-27-0037-M6
60	480	3		K10S-27-0038-M1	K10S-27-0038-M5	K10S-27-0038-M6
70	240	3	78%	K10S-27-0039-M1	K10S-27-0039-M5	K10S-27-0039-M6
70	480	3		K10S-27-0040-M1	K10S-27-0040-M5	K10S-27-0040-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
30	240	2	32	K12S-36-0029-M1	K12S-36-0029-M5	K12S-36-0029-M6
30	480	1		K12S-36-0030-M1	K12S-36-0030-M5	K12S-36-0030-M6
45	240	3	43 ¹ / ₁₆	K12S-36-0031-M1	K12S-36-0031-M5	K12S-36-0031-M6
45	480	2		K12S-36-0032-M1	K12S-36-0032-M5	K12S-36-0032-M6
55	240	3	51%	K12S-36-0033-M1	K12S-36-0033-M5	K12S-36-0033-M6
55	480	2		K12S-36-0034-M1	K12S-36-0034-M5	K12S-36-0034-M6
70	480	3	61%	K12S-36-0036-M1	K12S-36-0036-M5	K12S-36-0036-M6
80	480	3	69%	K12S-36-0038-M1	K12S-36-0038-M5	K12S-36-0038-M6
90	480	3	78%	K12S-36-0040-M1	K12S-36-0040-M5	K12S-36-0040-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
40	240	3	32	K14S-45-0026-M1	K14S-45-0026-M5	K14S-45-0026-M6
40	480	3		K14S-45-0027-M1	K14S-45-0027-M5	K14S-45-0027-M6
60	240	3	43 ¹ / ₁₆	K14S-45-0028-M1	K14S-45-0028-M5	K14S-45-0028-M6
60	480	3		K14S-45-0029-M1	K14S-45-0029-M5	K14S-45-0029-M6
70	240	5	51%	K14S-45-0030-M1	K14S-45-0030-M5	K14S-45-0030-M6
70	480	3		K14S-45-0031-M1	K14S-45-0031-M5	K14S-45-0031-M6
85	480	3	61%	K14S-45-0033-M1	K14S-45-0033-M5	K14S-45-0033-M6
100	480	3	69%	K14S-45-0035-M1	K14S-45-0035-M5	K14S-45-0035-M6
115	480	3	78%	K14S-45-0037-M1	K14S-45-0037-M5	K14S-45-0037-M6