

FLANGED IMMERSION HEATERS

HEAVY WEIGHT OIL HEATING

- Steel Elements
- 6.5 watts/square inch

Heavy viscous oils to increase flow or pumping viscosity, preheating of fuel oils to improve pumping and atomization, asphalt.

- 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
1.5	240	1	1	25 $\frac{1}{2}$ "	K3S-3-0328-M1	K3S-3-0328-M7
1.5	240	3	1		K3S-3-0329-M1	K3S-3-0329-M7
1.5	480	1	1		K3S-3-0330-M1	K3S-3-0330-M7
1.5	480	3	1	33 $\frac{1}{2}$ "	K3S-3-0331-M1	K3S-3-0331-M7
2	240	1	1		K3S-3-0332-M1	K3S-3-0332-M7
2	240	3	1		K3S-3-0333-M1	K3S-3-0333-M7
2	480	1	1		K3S-3-0334-M1	K3S-3-0334-M7
2	480	3	1	48 $\frac{1}{2}$ "	K3S-3-0335-M1	K3S-3-0335-M7
3	240	1	1		K3S-3-0336-M1	K3S-3-0336-M7
3	240	3	1		K3S-3-0337-M1	K3S-3-0337-M7
3	480	1	1		K3S-3-0338-M1	K3S-3-0338-M7
3	480	3	1		K3S-3-0339-M1	K3S-3-0339-M7

4" 150 LB ASA STEEL FLANGE					CATALOG NUMBERS	
KILOWATTS	VOLTS	PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 3	FIG. 4
5	240	3	1	40 $\frac{1}{2}$ "	K4S-6-0126-M1	K4S-6-0126-M7
5	480	3	1	48"	K4S-6-0127-M1	K4S-6-0127-M7
6	240	3	1		K4S-6-0128-M1	K4S-6-0128-M7
6	480	3	1	64 $\frac{1}{2}$ "	K4S-6-0129-M1	K4S-6-0129-M7
8	240	3	1		K4S-6-0130-M1	K4S-6-0130-M7
8	480	3	1		K4S-6-0131-M1	K4S-6-0131-M7

5" 150 LB ASA STEEL FLANGE					CATALOG NUMBERS	
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 5	FIG. 6	
4	240	1	33 $\frac{1}{2}$ "	K5S-6-0288-M1	K5S-6-0288-M7	
4	480	1		K5S-6-0289-M1	K5S-6-0289-M7	
6	240	1	48 $\frac{1}{2}$ "	K5S-6-0290-M1	K5S-6-0290-M7	
6	480	1		K5S-6-0291-M1	K5S-6-0291-M7	
9	240	1	78 $\frac{1}{2}$ "	K5S-6-0292-M1	K5S-6-0292-M7	
9	480	1		K5S-6-0293-M1	K5S-6-0293-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	
4.75	240	1	25 $\frac{1}{2}$ "	K6S-12-0192-M1	K6S-12-0192-M5	K6S-12-0192-M6	
4.75	480	1		K6S-12-0193-M1	K6S-12-0193-M5	K6S-12-0193-M6	
6.75	240	1	33"	K6S-12-0194-M1	K6S-12-0194-M5	K6S-12-0194-M6	
6.75	480	1		K6S-12-0195-M1	K6S-12-0195-M5	K6S-12-0195-M6	
8.5	240	1	40 $\frac{1}{2}$ "	K6S-12-0196-M1	K6S-12-0196-M5	K6S-12-0196-M6	
8.5	480	1		K6S-12-0197-M1	K6S-12-0197-M5	K6S-12-0197-M6	
10.25	240	1	48"	K6S-12-0198-M1	K6S-12-0198-M5	K6S-12-0198-M6	
10.25	480	1		K6S-12-0199-M1	K6S-12-0199-M5	K6S-12-0199-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	
10	240	1	32 $\frac{1}{2}$ "	K8S-18-0154-M1	K8S-18-0154-M5	K8S-18-0154-M6	
10	480	1		K8S-18-0155-M1	K8S-18-0155-M5	K8S-18-0155-M6	
12.5	240	1	43 $\frac{1}{2}$ "	K8S-18-0156-M1	K8S-18-0156-M5	K8S-18-0156-M6	
12.5	480	1		K8S-18-0157-M1	K8S-18-0157-M5	K8S-18-0157-M6	
15	240	1	51"	K8S-18-0158-M1	K8S-18-0158-M5	K8S-18-0158-M6	
15	480	1		K8S-18-0159-M1	K8S-18-0159-M5	K8S-18-0159-M6	
17.5	240	1	61"	K8S-18-0160-M1	K8S-18-0160-M5	K8S-18-0160-M6	
17.5	480	1		K8S-18-0161-M1	K8S-18-0161-M5	K8S-18-0161-M6	
20	240	1	69"	K8S-18-0162-M1	K8S-18-0162-M5	K8S-18-0162-M6	
20	480	1		K8S-18-0163-M1	K8S-18-0163-M5	K8S-18-0163-M6	
22.5	240	2	78"	K8S-18-0164-M1	K8S-18-0164-M5	K8S-18-0164-M6	
22.5	480	1		K8S-18-0165-M1	K8S-18-0165-M5	K8S-18-0165-M6	

STEEL ELEMENTS—6.5 watts/square inch

10" 150 LB ASA STEEL FLANGE				CATALOG NUMBERS		
KILOWATTS	VOLTS 3 PHASE	NUMBER OF CIRCUITS	B IMMERSION LENGTH	FIG. 13	FIG. 14	FIG. 15
13.5	240	1	32	K10S-27-0098-M1	K10S-27-0098-M5	K10S-27-0098-M6
13.5	480	1		K10S-27-0099-M1	K10S-27-0099-M5	K10S-27-0099-M6
20	240	1	43 ¹ / ₁₆	K10S-27-0100-M1	K10S-27-0100-M5	K10S-27-0100-M6
20	480	1		K10S-27-0101-M1	K10S-27-0101-M5	K10S-27-0101-M6
24	240	3	51%	K10S-27-0102-M1	K10S-27-0102-M5	K10S-27-0102-M6
24	480	1		K10S-27-0103-M1	K10S-27-0103-M5	K10S-27-0103-M6
28	240	3	61%	K10S-27-0104-M1	K10S-27-0104-M5	K10S-27-0104-M6
28	480	1		K10S-27-0105-M1	K10S-27-0105-M5	K10S-27-0105-M6
33.5	240	3	69%	K10S-27-0106-M1	K10S-27-0106-M5	K10S-27-0106-M6
33.5	480	1		K10S-27-0107-M1	K10S-27-0107-M5	K10S-27-0107-M6
38	240	3	78%	K10S-27-0108-M1	K10S-27-0108-M5	K10S-27-0108-M6
38	480	1		K10S-27-0109-M1	K10S-27-0109-M5	K10S-27-0109-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
18	240	1	32	K12S-36-0082-M1	K12S-36-0082-M5	K12S-36-0082-M6
18	480	1		K12S-36-0083-M1	K12S-36-0083-M5	K12S-36-0083-M6
26.5	240	2	43 ¹ / ₁₆	K12S-36-0084-M1	K12S-36-0084-M5	K12S-36-0084-M6
26.5	480	1		K12S-36-0085-M1	K12S-36-0085-M5	K12S-36-0085-M6
32	240	2	51%	K12S-36-0086-M1	K12S-36-0086-M5	K12S-36-0086-M6
32	480	1		K12S-36-0087-M1	K12S-36-0087-M5	K12S-36-0087-M6
37	240	2	61%	K12S-36-0088-M1	K12S-36-0088-M5	K12S-36-0088-M6
37	480	1		K12S-36-0089-M1	K12S-36-0089-M5	K12S-36-0089-M6
44.5	240	3	69%	K12S-36-0090-M1	K12S-36-0090-M5	K12S-36-0090-M6
44.5	480	2		K12S-36-0091-M1	K12S-36-0091-M5	K12S-36-0091-M6
50.5	240	3	78%	K12S-36-0092-M1	K12S-36-0092-M5	K12S-36-0092-M6
50.5	480	2		K12S-36-0093-M1	K12S-36-0093-M5	K12S-36-0093-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
22.5	240	3	32	K14S-45-0084-M1	K14S-45-0084-M5	K14S-45-0084-M6
22.5	480	1		K14S-45-0085-M1	K14S-45-0085-M5	K14S-45-0085-M6
33	240	3	43 ¹ / ₁₆	K14S-45-0086-M1	K14S-45-0086-M5	K14S-45-0086-M6
33	480	1		K14S-45-0087-M1	K14S-45-0087-M5	K14S-45-0087-M6
40	240	3	51%	K14S-45-0088-M1	K14S-45-0088-M5	K14S-45-0088-M6
40	480	1		K14S-45-0089-M1	K14S-45-0089-M5	K14S-45-0089-M6
46.5	240	3	61%	K14S-45-0090-M1	K14S-45-0090-M5	K14S-45-0090-M6
46.5	480	3		K14S-45-0091-M1	K14S-45-0091-M5	K14S-45-0091-M6
55.75	240	3	69%	K14S-45-0092-M1	K14S-45-0092-M5	K14S-45-0092-M6
55.75	480	3		K14S-45-0093-M1	K14S-45-0093-M5	K14S-45-0093-M6
63	240	3	78%	K14S-45-0094-M1	K14S-45-0094-M5	K14S-45-0094-M6
63	480	3		K14S-45-0095-M1	K14S-45-0095-M5	K14S-45-0095-M6