



Flanged Immersion Heaters

Standard Flanged Immersion Heaters

8 watts/in² (1.3 watts/cm²) — Typical Applications: Fuel Oils (Bunker C and Number 6)

* 150-lb Raised Face Forged Carbon Steel Flange

* Steel Sheath Heating Elements

NOTE: Wired for 3-Phase only.

| ANSI Flange Size | Immersed Length | | KW | Part Number | | | | | | Approximate Net Weight | |
|----------------------------|-----------------|------|------|-------------|----------|----------|----------|----------|----------|------------------------|----------|
| | in | mm | | 240V-1Ph | Circuits | 240V-3Ph | Circuits | 480V-1Ph | Circuits | 480V-3Ph | Circuits |
| 3" — 150lb 3 elements | 33 | 838 | 2 | — | TFP02001 | (1) | — | TFP02002 | (1) | 18 | 8 |
| | 48 | 1219 | 3 | — | TFP02003 | (1) | — | TFP02004 | (1) | 21 | 10 |
| | 64½ | 1638 | 4 | — | TFP02005 | (1) | — | TFP02006 | (1) | 24 | 11 |
| | 77 | 1956 | 5 | — | TFP02007 | (1) | — | TFP02008 | (1) | 26 | 12 |
| 4" — 150lb 6 elements | 40½ | 1029 | 5 | — | TFP02009 | (1) | — | TFP02010 | (1) | 35 | 16 |
| | 48 | 1219 | 6 | — | TFP02011 | (1) | — | TFP02012 | (1) | 38 | 17 |
| | 64½ | 1638 | 8 | — | TFP02013 | (1) | — | TFP02014 | (1) | 44 | 20 |
| | 77 | 1956 | 10 | — | TFP02015 | (1) | — | TFP02016 | (1) | 48 | 22 |
| 5" — 150lb 6 elements | 40½ | 1029 | 5 | — | TFP02017 | (1) | — | TFP02018 | (1) | 39 | 18 |
| | 48 | 1219 | 6 | — | TFP02019 | (1) | — | TFP02020 | (1) | 42 | 19 |
| | 64½ | 1638 | 8 | — | TFP02021 | (1) | — | TFP02022 | (1) | 48 | 22 |
| | 77 | 1956 | 10 | — | TFP02023 | (1) | — | TFP02024 | (1) | 52 | 24 |
| 5" — 150lb 9 elements | 40½ | 1029 | 7.5 | — | TFP02025 | (1) | — | TFP02026 | (1) | 46 | 21 |
| | 48 | 1219 | 9 | — | TFP02027 | (1) | — | TFP02028 | (1) | 50 | 23 |
| | 64½ | 1638 | 12 | — | TFP02029 | (1) | — | TFP02030 | (1) | 59 | 27 |
| | 77 | 1956 | 15 | — | TFP02031 | (1) | — | TFP02032 | (1) | 65 | 29 |
| 6" — 150lb 12 elements | 32¾ | 835 | 8 | — | TFP02033 | (1) | — | TFP02034 | (1) | 56 | 25 |
| | 40¾ | 1026 | 10 | — | TFP02035 | (1) | — | TFP02036 | (1) | 61 | 28 |
| | 47¾ | 1216 | 12 | — | TFP02037 | (1) | — | TFP02038 | (1) | 66 | 30 |
| | 64¾ | 1635 | 16.5 | — | TFP02039 | (1) | — | TFP02040 | (1) | 78 | 35 |
| | 76¾ | 1953 | 20 | — | TFP02041 | (1) | — | TFP02042 | (1) | 86 | 39 |
| 6" — 150lb 15 elements | 32¾ | 835 | 10 | — | TFP02043 | (1) | — | TFP02044 | (1) | 62 | 28 |
| | 40¾ | 1026 | 12.5 | — | TFP02045 | (1) | — | TFP02046 | (1) | 68 | 31 |
| | 47¾ | 1216 | 15 | — | TFP02047 | (1) | — | TFP02048 | (1) | 75 | 34 |
| | 64¾ | 1635 | 21 | — | TFP02049 | (5) | — | TFP02050 | (1) | 89 | 40 |
| | 76¾ | 1953 | 25 | — | TFP02051 | (5) | — | TFP02052 | (1) | 99 | 45 |
| 8" — 150lb 18 elements | 43¼ | 1099 | 12.5 | — | TFP02053 | (1) | — | TFP02054 | (1) | 99 | 45 |
| | 51¼ | 1302 | 16.5 | — | TFP02055 | (1) | — | TFP02056 | (1) | 107 | 49 |
| | 61¼ | 1569 | 20 | — | TFP02057 | (1) | — | TFP02058 | (1) | 117 | 53 |
| | 70¼ | 1784 | 24 | — | TFP02059 | (2) | — | TFP02060 | (1) | 126 | 57 |
| | 79¼ | 2013 | 27 | — | TFP02061 | (2) | — | TFP02062 | (1) | 136 | 62 |
| 8" — 150lb 24 elements | 43¼ | 1099 | 17 | — | TFP02063 | (1) | — | TFP02064 | (1) | 114 | 52 |
| | 51¼ | 1302 | 22 | — | TFP02065 | (2) | — | TFP02066 | (1) | 125 | 57 |
| | 61¼ | 1569 | 27 | — | TFP02067 | (2) | — | TFP02068 | (1) | 139 | 63 |
| | 70¼ | 1784 | 32 | — | TFP02069 | (2) | — | TFP02070 | (1) | 151 | 68 |
| | 79¼ | 2013 | 36 | — | TFP02071 | (2) | — | TFP02072 | (1) | 162 | 73 |
| 10" — 150lb 27 elements | 51¼ | 1314 | 25 | — | TFP02073 | (3) | — | TFP02074 | (1) | 155 | 70 |
| | 62¼ | 1581 | 30 | — | TFP02075 | (3) | — | TFP02076 | (1) | 171 | 78 |
| | 70¼ | 1797 | 35 | — | TFP02077 | (3) | — | TFP02078 | (1) | 184 | 83 |
| | 78¼ | 2000 | 40 | — | TFP02079 | (3) | — | TFP02080 | (1) | 196 | 89 |
| 12" — 150lb 36 elements | 51¾ | 1311 | 34 | — | TFP02081 | (2) | — | TFP02082 | (1) | 216 | 98 |
| | 62¾ | 1578 | 40 | — | TFP02083 | (2) | — | TFP02084 | (1) | 239 | 108 |
| | 70¾ | 1794 | 47 | — | TFP02085 | (3) | — | TFP02086 | (2) | 267 | 121 |
| | 78¾ | 1997 | 54 | — | TFP02087 | (3) | — | TFP02088 | (2) | 273 | 124 |
| 14" — 150lb 45 elements | 51½ | 1308 | 42 | — | TFP02089 | (3) | — | TFP02090 | (3) | 282 | 128 |
| | 62 | 1575 | 50 | — | TFP02091 | (3) | — | TFP02092 | (3) | 309 | 140 |
| | 70½ | 1791 | 60 | — | TFP02093 | (3) | — | TFP02094 | (3) | 330 | 150 |
| | 78½ | 1994 | 67 | — | TFP02095 | (5) | — | TFP02096 | (3) | 351 | 159 |

NOTE: Flanges 8" and larger are 7 watts/in² (1.1 watts/cm²)