

Standard Flanged Immersion Heaters

15 watts/in² (2.3 watts/cm²) — Typical Applications: Fuel Oils (Number 4&5)

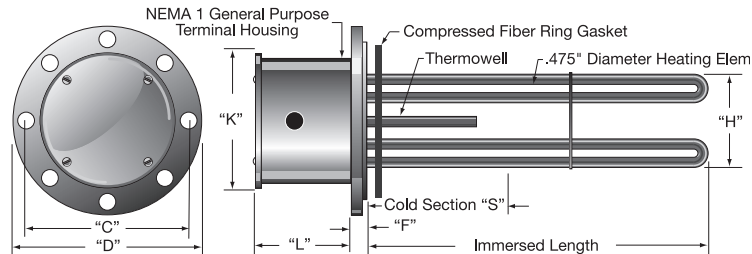
* 150-lb Raised Face Forged Carbon Steel Flange

* Steel Sheath Heating Elements

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	lbs	kgs				
3" — 150lb 3 elements	25 ³ / ₁₆	640	3	TFP02097 (1)	TFP02098 (1)	TFP02099 (1)	TFP02100 (1)	17	8				
	33 ³ / ₁₆	840	4	TFP02101 (1)	TFP02102 (1)	TFP02103 (1)	TFP02104 (1)	18	8				
	48 ³ / ₁₆	1221	6	TFP02105 (1)	TFP02106 (1)	TFP02107 (1)	TFP02108 (1)	21	10				
5" — 150lb 6 elements	33 ³ / ₁₆	840	8	—	TFP02109 (1)	—	TFP02110 (1)	37	17				
	40 ³ / ₁₆	1030	10	—	TFP02111 (1)	—	TFP02112 (1)	39	18				
	48 ³ / ₁₆	1221	12	—	TFP02113 (1)	—	TFP02114 (1)	42	19				
	57 ³ / ₁₆	1449	15	—	TFP02115 (1)	—	TFP02116 (1)	45	20				
	68 ³ / ₁₆	1729	18	—	TFP02117 (1)	—	TFP02118 (1)	49	22				
8" — 150lb 18 elements	32 ³ / ₈	835	20	—	TFP02119 (1)	—	TFP02120 (1)	89	40				
	43 ³ / ₁₆	1110	25	—	TFP02121 (2)	—	TFP02122 (1)	100	45				
	51 ³ / ₈	1318	30	—	TFP02123 (2)	—	TFP02124 (1)	108	49				
	61 ³ / ₈	1559	35	—	TFP02125 (2)	—	TFP02126 (1)	118	54				
	69 ³ / ₈	1775	40	—	TFP02127 (2)	—	TFP02128 (1)	125	57				
	78 ³ / ₈	2003	45	—	TFP02129 (3)	—	TFP02130 (2)	135	61				

NOTE: Flanges 8" and larger are 12 watts/in² (1.9 watts/cm²)

Flange Heater Dimensions



Flange size in	Flange Mounting		Flange Thickness "F"		Mounting Bolt Circle "C"		Flange Diameter "D"		Cold Section "S"		Bundle Diameter "H"		NEMA 1 Housing		Number of Elements			
	Hole Size in	No.	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	Std.	Max.		
3	3/4	4	15/16	24	6	152	7-1/2	191	4	102	2-3/4	70	4-5/8	117	2-5/8	67	3	6
4	3/4	8	15/16	24	7-1/2	191	9	229	4	102	3-7/8	98	6	152	4	102	6	6
5	7/8	8	15/16	24	8-1/2	216	10	254	4	102	5	127	7	178	4	102	6	9
6	7/8	8	1	25	9-1/2	241	11	279	4	102	6	152	8	203	6	152	12	15
8	7/8	8	1-1/8	29	11-3/4	298	13-1/2	343	6	152	7-13/16	198	10	254	6	152	18	24
10	1	12	1-3/16	30	14-1/4	362	16	406	6	152	9-3/4	248	11-5/8	295	6	152	27	36
12	1	12	1-1/4	32	17	432	19	483	6	152	11-3/4	298	13-1/2	343	6	152	36	54
14	1-1/8	12	1-3/8	35	18-3/4	476	21	533	6	152	12-3/4	324	15-1/8	384	6	152	45	72

Ordering Information

See Page 11-31 for complete Ordering Information.