



## Circulation Heaters

### Standard (Non-Stock) Circulation Heaters

**23 watts/in<sup>2</sup> (3.6 watts/cm<sup>2</sup>) — Typical Applications: Forced Air & Gases • Caustic Solutions • Degreasing Solutions**

\* 304 Stainless Steel Screw Plug and Steel 150-lb Flanged Heater Sizes

\* Incoloy® 800 Sheath Heating Elements

\* Steel Tank

\* NEMA 1 Terminal Housing

Nominal Pipe Size	Dimensional Drawing Number	KW	Part Number					Approximate Net Weight	
			120V	240V-1Ph (C*)	240V-3Ph (C*)	480V-1Ph (C*)	480V-3Ph (C*)	lbs	kgs
1½" NPT 2 elements	1.1	1	CHF01498	CHF01499 (1)	—	—	—	13	6
	1.1	1.5	CHF01500	CHF01501 (1)	—	—	—	13	6
	1.2	2	CHF01502	CHF01503 (1)	—	—	—	17	8
2½" NPT 3 elements	2.1	3	—	CHF01504 (1)	CHF01505 (1)	CHF01506 (1)	CHF01507 (1)	28	13
	2.2	4.5	—	CHF01508 (1)	CHF01509 (1)	CHF01510 (1)	CHF01511 (1)	35	16
	2.2	6	—	CHF01512 (1)	CHF01513 (1)	CHF01514 (1)	CHF01515 (1)	37	17
	2.3	7.5	—	CHF01516 (1)	CHF01517 (1)	CHF01518 (1)	CHF01519 (1)	45	20
	2.3	9	—	CHF01520 (1)	CHF01521 (1)	CHF01522 (1)	CHF01523 (1)	46	21
3"-150lb 3 elements	3.1	3	—	CHF01524 (1)	CHF01525 (1)	CHF01526 (1)	CHF01527 (1)	53	24
	3.2	4.5	—	CHF01528 (1)	CHF01529 (1)	CHF01530 (1)	CHF01531 (1)	61	28
	3.2	6	—	CHF01532 (1)	CHF01533 (1)	CHF01534 (1)	CHF01535 (1)	62	28
	3.3	7.5	—	CHF01536 (1)	CHF01537 (1)	CHF01538 (1)	CHF01539 (1)	74	34
	3.3	9	—	CHF01540 (1)	CHF01541 (1)	CHF01542 (1)	CHF01543 (1)	76	34
4"-150lb 6 elements	4.1	6	—	CHF01544 (1)	CHF01545 (1)	CHF01546 (1)	CHF01547 (1)	78	35
	4.2	9	—	CHF01548 (1)	CHF01549 (1)	CHF01550 (1)	CHF01551 (1)	91	41
	4.2	12	—	CHF01552 (2)	CHF01553 (1)	CHF01554 (1)	CHF01555 (1)	94	43
	4.3	15	—	CHF01556 (2)	CHF01557 (1)	CHF01558 (1)	CHF01559 (1)	117	53
	4.3	18	—	CHF01560 (2)	CHF01561 (1)	CHF01562 (1)	CHF01563 (1)	120	54
	4.4	25	—	—	CHF01564 (2)	CHF01565 (2)	CHF01566 (1)	147	67
5"-150lb 6 elements	4.4	30	—	—	CHF01567 (2)	CHF01568 (2)	CHF01569 (1)	151	68
	5.1	9	—	CHF01570 (1)	CHF01571 (1)	CHF01572 (1)	CHF01573 (1)	114	52
	5.2	12	—	CHF01574 (2)	CHF01575 (1)	CHF01576 (1)	CHF01577 (1)	126	57
	5.2	15	—	CHF01578 (2)	CHF01579 (1)	CHF01580 (1)	CHF01581 (1)	128	58
	5.3	18	—	CHF01582 (2)	CHF01583 (1)	CHF01584 (1)	CHF01585 (1)	146	66
	5.4	25	—	—	CHF01586 (2)	CHF01587 (2)	CHF01588 (1)	172	78
5"-150lb 9 elements	5.5	30	—	—	CHF01589 (2)	CHF01590 (2)	CHF01591 (1)	192	87
	5.1	14	—	CHF01592 (3)	CHF01593 (1)	CHF01594 (1)	CHF01595 (1)	119	54
	5.2	18	—	CHF01596 (3)	CHF01597 (1)	CHF01598 (1)	CHF01599 (1)	132	60
	5.2	23	—	CHF01600 (3)	CHF01601 (3)	CHF01602 (1)	CHF01603 (1)	135	61
	5.3	27	—	CHF01604 (3)	CHF01605 (3)	CHF01606 (3)	CHF01607 (1)	150	68
	5.4	38	—	—	CHF01608 (3)	CHF01609 (3)	CHF01610 (1)	183	83
6"-150lb 12 elements	5.5	45	—	—	CHF01611 (3)	CHF01612 (3)	CHF01613 (3)	205	93
	6.1	12	—	CHF01614 (2)	CHF01615 (1)	CHF01616 (1)	CHF01617 (1)	127	58
	6.2	18	—	CHF01618 (2)	CHF01619 (1)	CHF01620 (1)	CHF01621 (1)	152	69
	6.2	24	—	CHF01622 (2)	CHF01623 (2)	CHF01624 (2)	CHF01625 (1)	157	71
	6.3	30	—	CHF01626 (3)	CHF01627 (2)	CHF01628 (2)	CHF01629 (1)	197	89
	6.3	36	—	CHF01630 (3)	CHF01631 (2)	CHF01632 (2)	CHF01633 (1)	202	92
	6.4	50	—	—	CHF01634 (4)	CHF01635 (4)	CHF01636 (2)	249	113
6.4	60	—	—	CHF01637 (4)	CHF01638 (4)	CHF01639 (2)	257	117	
6"-150lb 15 elements	6.1	15	—	CHF01640 (3)	CHF01641 (1)	CHF01642 (1)	CHF01643 (1)	130	59
	6.2	23	—	CHF01644 (3)	CHF01645 (5)	CHF01646 (1)	CHF01647 (1)	156	71
	6.2	30	—	CHF01648 (3)	CHF01649 (5)	CHF01650 (3)	CHF01651 (1)	163	74
	6.3	38	—	CHF01652 (5)	CHF01653 (5)	CHF01654 (3)	CHF01655 (1)	204	93
	6.3	45	—	CHF01656 (5)	CHF01657 (5)	CHF01658 (3)	CHF01659 (5)	211	96
	6.4	63	—	—	CHF01660 (5)	CHF01661 (3)	CHF01662 (5)	260	118
	6.4	75	—	—	CHF01663 (5)	CHF01664 (5)	CHF01665 (5)	270	122
8"-150lb 18 elements	8.2	30	—	CHF01666 (3)	CHF01667 (2)	CHF01668 (2)	CHF01669 (1)	244	111
	8.3	40	—	—	CHF01670 (2)	CHF01671 (2)	CHF01672 (1)	274	124
	8.4	50	—	—	CHF01673 (3)	CHF01674 (3)	CHF01675 (2)	303	137
8"-150lb 24 elements	8.2	40	—	CHF01676 (4)	CHF01677 (2)	CHF01678 (2)	CHF01679 (1)	253	115
	8.3	53	—	—	CHF01680 (4)	CHF01681 (3)	CHF01682 (2)	287	130
	8.4	67	—	—	CHF01683 (4)	CHF01684 (3)	CHF01685 (2)	318	144

(C\*) = Number of Branch Circuits per heater

**NOTE:** Nominal Pipe Size 8" and larger are 20 watts/in<sup>2</sup> (3.1 watts/cm<sup>2</sup>)