



Standard (Non-Stock) Circulation Heaters

48 watts/in² (7.5 watts/cm²) — Typical Applications: Process Water

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

- * Incoloy®800 Sheath Heating Elements
- * 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 |
| 2½" NPT 3 elements | 2.1 | 6 | — | CHF01694 (1) | CHF01695 (1) | CHF01696 (1) | CHF01697 (1) | 28 | 13 |
| | 2.1 | 7.5 | — | CHF01698 (1) | CHF01699 (1) | CHF01700 (1) | CHF01701 (1) | 29 | 13 |
| | 2.1 | 9 | — | CHF01702 (1) | CHF01703 (1) | CHF01704 (1) | CHF01705 (1) | 30 | 14 |
| | 2.2 | 12 | — | — | CHF01706 (1) | CHF01707 (1) | CHF01708 (1) | 37 | 17 |
| | 2.3 | 15 | — | — | CHF01709 (1) | CHF01710 (1) | CHF01711 (1) | 45 | 20 |
| | 2.3 | 18 | — | — | CHF01712 (1) | CHF01713 (1) | CHF01714 (1) | 46 | 21 |
| 3"-150lb 3 elements | 3.1 | 6 | — | CHF01715 (1) | CHF01716 (1) | CHF01717 (1) | CHF01718 (1) | 53 | 24 |
| | 3.1 | 7.5 | — | CHF01719 (1) | CHF01720 (1) | CHF01721 (1) | CHF01722 (1) | 53 | 24 |
| | 3.2 | 9 | — | CHF01723 (1) | CHF01724 (1) | CHF01725 (1) | CHF01726 (1) | 61 | 28 |
| | 3.2 | 12 | — | — | CHF01727 (1) | CHF01728 (1) | CHF01729 (1) | 62 | 28 |
| | 3.3 | 15 | — | — | CHF01730 (1) | CHF01731 (1) | CHF01732 (1) | 74 | 34 |
| | 3.3 | 18 | — | — | CHF01733 (1) | CHF01734 (1) | CHF01735 (1) | 76 | 34 |

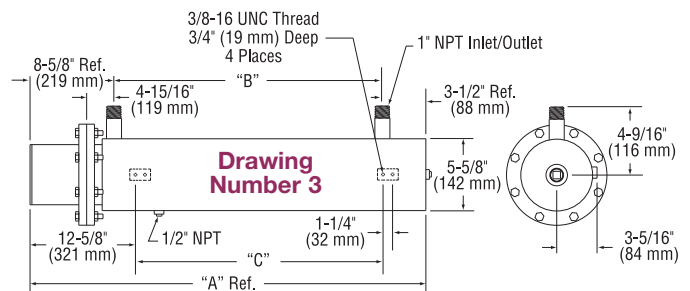
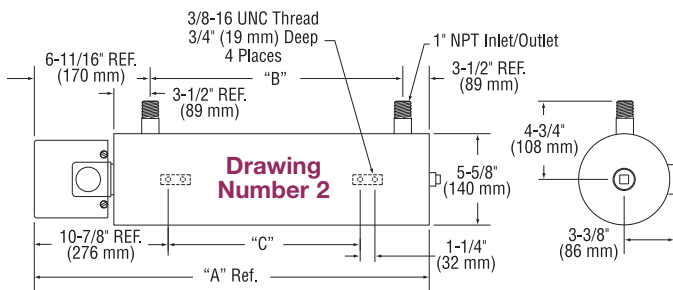
(C*) = Number of Branch Circuits per heater

Dimensional Drawing Number

| Drawing Number | "A" | | "B" | | "C" | |
|----------------|----------|------|--------|------|--------|-----|
| | in | mm | in | mm | in | mm |
| 2.1 | 32-11/16 | 830 | 22-1/2 | 572 | 16-1/2 | 419 |
| 2.2 | 42-11/16 | 1084 | 32-1/2 | 826 | 26-1/2 | 673 |
| 2.3 | 55-3/16 | 1402 | 45 | 1143 | 39 | 991 |
| 3.1 | 34-5/8 | 879 | 22-1/2 | 572 | 16-1/2 | 419 |
| 3.2 | 44-5/8 | 1133 | 32-1/2 | 826 | 26-1/2 | 673 |
| 3.3 | 57-1/8 | 1451 | 45 | 1143 | 39 | 991 |



Note: Circulation heater mounting lug design and location in the assembly drawings shown are standard. Designs can be modified to fit customer installation. Consult Tempco with your requirements.



Circulation heater with optional externally mounted thermostat.

Ordering Information

See Page 11-69 for complete Ordering Information.

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