



INSTALLATION

THE VESSEL SHOULD BE INSTALLED WITH THE FLASH STEAM OUTLET (5) AT THE TOP AS SHOWN.

OPTIONAL ACCESSORIES

- SELF OPERATING THERMOSTATIC COOLING CONTROL VALVE
- THERMOMETER
- VENT CONDENSER

FEATURES

- INTERNAL WEIR ASSEMBLY RETAINS BLOWDOWN AND ALLOWS IT TO COOL TO ATMOSPHERE, SAVING ON COOLING WATER.
- BAFFLED INLET EXTENDS TANK LIFE
- STANDARD INSPECTION COVER

DESIGN SPECIFICATIONS

| | |
|--------------------------|--|
| DESIGN PRESSURE | 100 PSIG |
| DESIGN TEMPERATURE | 450°F |
| DESIGN CODE | ASME SECT VIII, DIV. I, LATEST REVISION CSA B51 |
| MAX. BOILER PRESSURE | 600 PSIG |
| MATERIAL OF CONSTRUCTION | CARBON STEEL (OPTIONAL STAINLESS STEEL) |
| CORROSION ALLOWANCE | 0.125" |

NOTES

- Dimensions can be modified to suit customer requirements.
- Larger sizes and selections for higher boiler pressures are available upon request.

DIMENSIONS (ALL DIMENSIONS IN INCHES)

| MODEL | Nominal Boiler HP | A | B | C | Inspect. Cover 1 | Cold Water 2 | Drain 3 | Inlet 4 | Vent 5 | Outlet 6 | Therm. 7 | Temp. Sensor 8 | Gauge Glass 9 | Weight (Lbs.) |
|----------|-------------------|----|----|---|------------------|--------------|---------|---------|--------|----------|----------|----------------|---------------|---------------|
| BDT-15 | 5-15 | 12 | 30 | 8 | 4 X 6 | 3/4 | 1-1/2 | 1-1/2 | 3 | 3 | 1/2 | 1-1/2 | 1/2 | 230 |
| BDT-50 | 26-50 | 24 | 39 | 8 | 4 X 6 | 3/4 | 1-1/2 | 1-1/2 | 3 | 3 | 1/2 | 1-1/2 | 1/2 | 441 |
| BDT-100 | 51-100 | 30 | 46 | 8 | 12 X 16 | 3/4 | 1-1/2 | 2 | 4 | 4 | 1/2 | 1-1/2 | 1/2 | 661 |
| BDT-200 | 101-200 | 36 | 44 | 8 | 12 X 16 | 3/4 | 1-1/2 | 2 | 4 | 4 | 1/2 | 1-1/2 | 1/2 | 772 |
| BDT-400 | 201-400 | 36 | 53 | 8 | 12 X 16 | 3/4 | 1-1/2 | 2 | 4 | 4 | 1/2 | 1-1/2 | 1/2 | 904 |
| BDT-750 | 401-750 | 42 | 60 | 8 | 12 X 16 | 3/4 | 1-1/2 | 2 | 4 | 4 | 1/2 | 1-1/2 | 1/2 | 1102 |
| BDT-3000 | 751-3000 | 48 | 69 | 8 | 12 X 16 | 3/4 | 1-1/2 | 2 | 4 | 4 | 1/2 | 1-1/2 | 1/2 | 1433 |

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