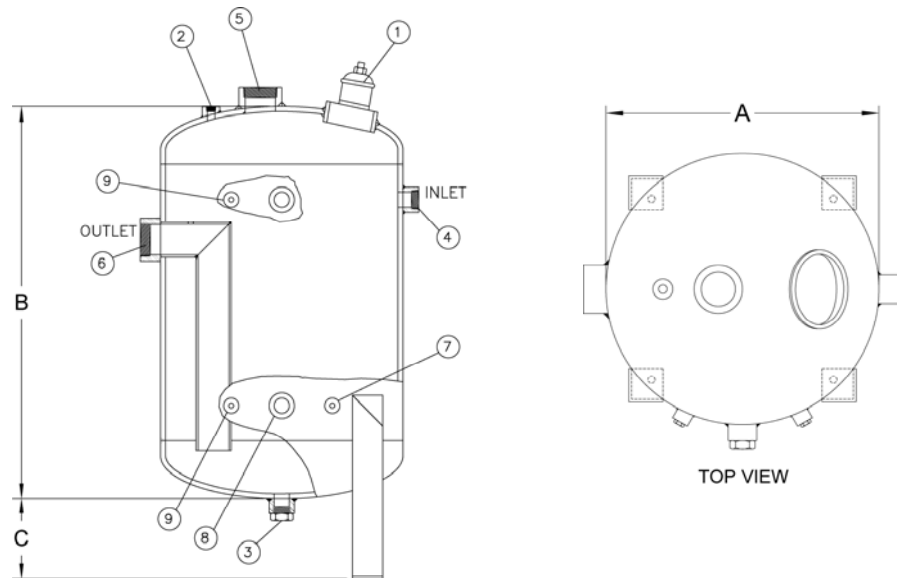


BLOWDOWN TANKS



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
- Max. Boiler Pressure: 600 PSIG
- Material of Construction: Carbon Steel (optional stainless steel)

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 |

Colton has a policy of continuous product research and improvement and reserves the right to change design and specifications without notice



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