

## Installation, Operating & Maintenance Instructions

### BlowDown Tanks

#### Introduction

The COLTON blowdown tanks are vertical vented receivers designed to vent flash steam from intermittent boiler blowdown and to allow the remaining condensate to cool before being discharged to the drain.

*Note:* If your drainage system is limited to a specified maximum temperature (most municipalities limit drain water to 140 deg. F.), you will most likely have to utilize an optional cooling control valve.

#### Warning:

Piping systems can be dangerous - safety precautions must be observed. Before working on equipment, make sure that it has been isolated, the pressure has been released and, where necessary, the unit has been cooled.

#### Installation:

This vessel is designed for vertical installation and is provided with three support legs and foot pads with anchor holes for securing the unit to the floor.

The boiler blowdown inlet connection is near the top of the side of the vessel, the outlet flash steam vent is on the top of the vessel and the condensate outlet is just below and opposite the boiler blowdown inlet.

#### Optional Equipment:

- Thermometer - a 1/2" npt connection is provided for the optional thermometer and well.
- Cooling Control - an optional cooling control can be provided to modulate the cooling water flow to the npt connection on the vessel's top dished head.

#### Maintenance:

Colton blowdown tanks are fabricated from steel plate and standard pipe and fittings, they have no moving parts and are relatively maintenance free. However, even though these are atmospheric (vented) vessels, we do recommend an annual inspection for wall erosion due to internal velocity and corrosion from the internal standing water.

