



## **FLASH TANK OPERATION & MAINTENANCE INSTRUCTIONS**

### **Maintenance Instructions:**

Delta Fabricating flash tanks are an integrally welded vessel with no removable or replaceable parts.

Under normal use the Flash Tank can collect sediment in the bottom of the vessel. Periodically the tank cleanout should be down to a drain. Severe conditions may require more frequent cleanouts.

All exterior surfaces should be kept clean and free of rust.

Under normal conditions the Flash Tanks are virtually maintenance free.

### **Operation Instructions:**

The Flash Tank has been sized to handle a predetermined amount of condensate. This condensate may come from a variety of sources, such as high pressure returns, steam traps, and continuous surface blowdown.

The Flash Tank is designed to separate condensate and the flash steam. The steam can be used in a low pressure application or vented to atmosphere. The condensate at the lower pressure would be easier to handle.

The condensate when entering the Flash tank is distributed in the tank via inlet connections or spray pipe. This disperses the condensate into existing stored cold water already in the vessel. The steam is discharged to the vent. The condensate collects in the tank until it reaches the overflow type outlet.

The Flash Tank is ASME Code constructed for a maximum pressure and temperature. These ratings are stamped on the nameplate of the vessel. If the condensate line can develop a higher pressure than the tank rating, a safety relief valve should be used to protect the tank from over pressurizing. A build up of pressure or a raise in water level above the normal conditions indicate a problem has occurred. The condensate should be directed away from the separator until the problem is corrected.

The Flash Tank will operate on its own. Even during adjustments or variances in flow rated.

**WARNING: Flash tanks can contain high pressures with hot condensate and steam. Caution should be taken when working on or around these pressure vessels.**