

# CONDENSATE CONTAMINATION MONITORING & CONTROL SYSTEM

An ISO 9001:2008 Certified Company



Steam Distribution | Steam Generation | Customized Package Solution | Steam Accessories | Steam Services

**Volfram** offer complete solution to ensure that the condensate recovered to the boiler is pure & does not contain any contamination. The system monitors as well as takes necessary action to prevent contaminated condensate to get into the boiler feed tank.

## Condensate Contamination Monitoring and Control System

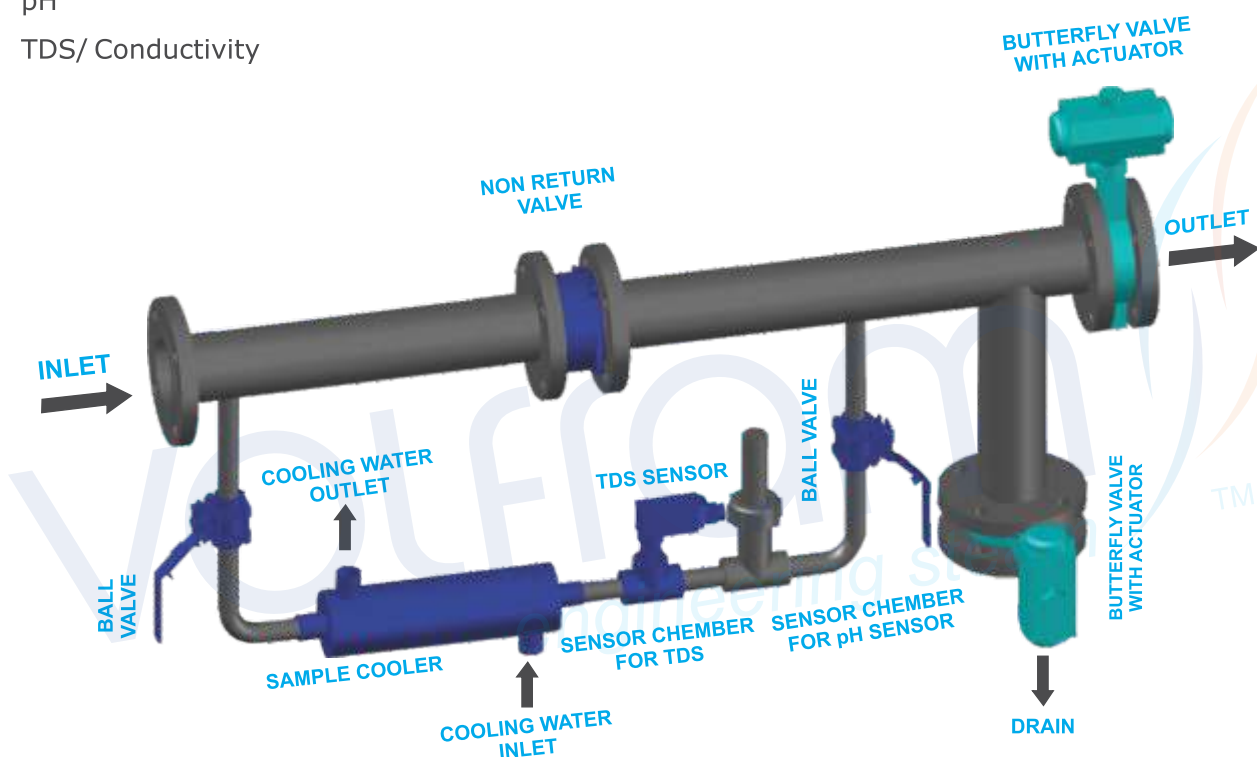
In many process industries hot condensate is being drained due to the fear of Contamination as Contaminated Condensate is not recommended to be reuse for Boiler. But if we can monitor the quality of condensate returned to the boiler online continuously & drain the same only in case of contamination and then we save various parameters like below :

### Features:

- Fuel by feeding the boiler with hot condensate
- Fresh Water charges & its chemical treatment cost as we are recycling the condensate
- Feeding pure form of water to the boiler which will lower down the blow down rate
- This will reduce the load on the ETP

### Following 2 parameters of condensate are monitored based on the application:

- pH
- TDS/ Conductivity



**Note: This image is for reference only actual product may vary as per requirement**

**Condensate Contamination Monitoring and Control System with TDS and pH Sensor**



### Key Features:

- Ensure Optimal Performance and Maximum Efficiency.  
Precise control of TDS/conductivity prevents corrosion, solids precipitation and scale build-up.
- Avoids boiler damage and product contamination.
- Temperature compensation sensor gives accurate results regardless of condensate temperature.
- Minimizes energy wastage.
- Conserves expensive treated water.
- In this system sample cooler will be provided to protect pH sensor from high temperature condensate wherever applicable.

### Application:

- Pharmaceutical Industry
- Chemical Industry
- Dairy & Food Industry
- Textile Industry
- Beverage Industry

# Volfram Boiler and Steam Accessories



**Steam Boilers**



**Condensate Recovery System**



**Rotating Plug Float Trap**



**Flow Meter**



**Pressure Gauge**



**SS Safety Valve**



**Non Return Valve**



**Steam Injector**



**Control Valve**