

## Condenser Hot Wells



Vapor enters the condenser to cool and condense into water before entering the low-pressure feedwater heater. The condenser hot well serves as a reservoir for turbine circulation. When the level in the hot well reaches its lowest point, a valve opens to provide recharge water for circulation. When the hot well level reaches the high end of the range, the drain valve is opened to drain the condensate from the hot well to the condensate tank.

### Challenges

Recharge water may be depleted from the turbine cycle due to leaks, vapor discharge, or other usage factors. Level control in hot wells can ensure that sufficient recharge water is available for circulation or transferred to storage tanks.

- **TRG802X Guided Wave Radar Level Transmitter**

The latest generation of TRG802X series guided wave radar level transmitter is a two-wire 24VDC powered level transmitter, which adopts advanced microprocessor and unique echo processing technology.

TRG802X series guided wave radar level transmitter can be applied to various complex working conditions and applications. Whether it is a light hydrocarbon or water-based solution, it is suitable.

---

### Features

1. Multi-variable 2-wire system and 24VDC loop-powered level transmitter can be used to measure level, interface, volume or flow.
2. The level measurement results are not affected by the change of medium properties.
3. It is no need to calibrate by adjusting the actual level.
4. Select the probe with function of "anti-overflow ", the true level to the process connection seal can be measured directly without special algorithm.
5. 4 buttons and graphical LCD display can easily observe the instrument configuration information and signal waveform diagram
6. Use split structure, the electronic device can be replaced without opening the storage tank.

### ● ZTD Displacer Level (Interface) Transmitter

ZTD displacer level (interface) transmitter is an intelligent level measuring instrument with international leading level independently developed by DDTOP after many years of technical research. The simple buoyancy principle is used to detect the change of level, and then the magnetic signal is converted into a stable 4-20mA current signal and output through the torque tube assembly and the hall sensor. The instrument has a variety of configurations and pressure levels, which are suitable for various applications.

Equipped with DLT9010 level controller, output 4~20mA current signal. At the same time, it has HART communication protocol, which can query, configure, calibrate or test level controller. It can also accept the information of a single measurement loop and transmit the information from site to the control system.

### Features

1. SIL2 certification certified by both French Bureau Veritas and Shanghai SITIIS.
  2. Verification is not needed, only configuration is needed.
  3. The product provides 4-20 mA with HART, and can be configured, calibrated and diagnosed on site using the 475 Communicator
  4. Comprehensive fault diagnosis, warning and status history
  5. EU PED pressure vessel certification, the applicable pressure can be up to 42MPa
  6. Maximum process temperature which is applicable in non-vapor condition can be up to 500°C
  7. Flame-proof and Intrinsic safety certified by CSA, ATEX and IEC
  8. Process parameters can be adjusted online
  9. The transmitter can be converted arbitrarily in 8 positions without affecting the on-site use
  10. It is suitable for interface measurement and density measurement
  11. EU EMC directive CE certification
-

- **HC Magnetic Level Gauge**

UHC magnetic level gauge provides a safer, more reliable and more visible option than conventional glass level gauge. The float moves up and down with the change of level, and the float transmits the level signal through the coupling magnetic field, which divides into the local indication type and the remote transmission output type.

Chamber and float have a variety of materials and pressure-grade options and are suitable for complex process applications of current major operating devices.

**Features**

1. The float adopts 304,316 L, TA2 and TC4 material. It has good temperature resistance and can reach to 450°C.
  2. The welding process meets the requirements of PED welding process. The chamber is made of 304,316 L. The maximum pressure can reach to 26 MPa.
  3. Local indicator type and remote output type with level alarm are optional.
  4. According to customer requirements, through a variety of production types, the products can be applied to a variety of working conditions.
-