

Vapor Drum



Chemical enterprises are using vapor for cleaning, drying, fermentation, stripping and so on. Local vapor (SIP) is a widely used method for sterilization in pipes, including on-line sterilization of containers, valves, production lines and filter assemblies, etc. Vapor is produced within the boiler, where hot water is converted into vapor under pressure.

Challenges

Water level control of boiler drum is essential for safe and effective vapor production. The water level of the drum is controlled to maintain the water level under constant vapor load. Too low water level may expose the boiler tube, make the furnace tube overheat and cause damage. Too high water level may affect the separation of vapor, thus reducing the efficiency of the boiler and bringing moisture into the subsequent process.

Products

- **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.

● **UHC 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.

● **UQK-300 Float Level Controller**

The float level controller is based on the principle of buoyancy, and the float moves equidistantly following the liquid level. Because of this, they are commonly used for narrow return level applications.

Features

1. The product uses 304, 316 high-quality materials, which make product more durable and reliable
2. It is applicable to the working condition of pressure from vacuum ~26MPa, temperature -40°C~+300°C
3. The product has passed SIL2 functional safety certification and explosion-proof certification, and can be used in a variety of working conditions to effectively avoid the occurrence of accidents.
4. The pressure-bearing part and the switch contact part are completely isolated by magnetic coupling, which make the product high reliability and safety.