

Level of Filter Tank



After the water treatment is purified, the pre-filtered water enters the filter bed from the inlet channel. When it passes through the medium of the filter bed-sand or deep filter type anthracite, cloth or surface filter type synthetic membrane, the fine suspended solids in the water are removed.

Challenges

The level of the filter tank triggers a backwash cycle. As the solid particles accumulate in the filter, the pressure loss of the filter tank begins to increase, and the water level will rise. A predetermined filter tank level indicates that the terminal pressure loss value has been reached, and the filter must start backwashing to remove suspended solid particles.

Products

- **TRG804X Radar Level Transmitter 6.3GHz**

TRG804X non-contact type radar level transmitter has a wider measurement range, and better diagnostic function. The use of advanced signal processing technology can filter out false targets or other noise signals. Pulse string radar level transmitter transmits short pulse string to the liquid surface. Through antenna, it can transmit extremely short pulses with very low energy. By using ultra-high speed timing circuit to measure the time required for the pulse signal to meet liquid surface and reflect echo.

Features

1. 6.3 GHz operating frequencies provide superior performance in applications of turbulence, foam and heavy vapor.
2. Maximum process temperature can be up to 250°C.
3. Maximum measuring range can reach 30m.
4. Quick connection/disassembly of probe shaft sleeve allows the container to remain sealed.

● **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.