

Reflux Tank



The heat exchanger extracts vapor from the upper part of the fractionator, cools it into liquid, and pumps it into the liquid reservoir (reflux tank). The liquid is then extracted from the bottom of the reservoir by a reflux pump, and a portion of the pump return (reflux) is reintroduced to the lower point in the tower. This reflux process improves the fractionator separation by ensuring sufficient liquid flow down to promote the vapor rise.

Challenges

To prevent excessive reflux return to the tower, accurate and reliable level monitoring and control is essential for the reflux reservoir as the distribution point of reflux and fraction.

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.