Hydrodesulfurization Unit

Catalytic hydrogenation is the treatment of liquid hydrocarbons in a hydrogen environment, through which 90% of impurities such as sulfur, nitrogen, oxygen and metal can be removed from the feed. The hydrotreating can also be used for the hydrodesorption of aromatic hydrocarbons (HDAr), hydrocracking of heavy diesel oil (HDHDC), dewaxing, and the performance improvement of cracking steam and diesel oil.

Challenges

The hydrotreating process requires the monitoring of gas/liquid separator and wash tank levels. Level instrumentation suitable for high temperature and high-pressure environments is key to removing impurities. This is because impurities can adversely affect the quality of the equipment, the catalyst and the finished product.

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℃.
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.

● LGY Compact Orifice Plate Flow Meter

LGY compact orifice plate flow meter is composed of flow element, differential pressure transmitter, three-way manifold, temperature sensor and pressure sensor, which can measure liquid, gas, vapor and other medium.

Features

1. LGY compact orifice plate flow meter has advantages of compact structure, simple installation and can save a lot of installation working time.
2. All products are assembled in the factory to ensure accuracy stable and consistent.
3. LGY compact orifice plate flow meter use imported differential pressure transmitter, the flow element implements the national standards and the actual measurement accuracy is determined by the standard flow inspection device.
4. LGY compact orifice plate flow meter has temperature and pressure compensation algorithm to improve the measurement accuracy.