

Chemical Injection



From active drug components (APIS) to gas phase corrosion inhibitors (VCIS), 1000 additives and any of reagent can be injected into the process flow of a particular industry to alter or endow new product properties or enhance processing dynamics. Injection systems and chemical pry systems provide a variety of different dose control options. The whole process requires level and flow monitoring of injected chemical reagents.

Challenges

Chemical injection system usually consists of one or more chemical supply tanks or cylinders, a metering tank, a container with a stirrer (if required), a variable pump, and a process controller. Chemical tanks and chemical skid blocks require liquid level monitoring to ensure that the chemicals in these tanks do not overflow or run out.

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.

● **LWGY LIQUID TURBINE FLOW METER**

LWGY liquid turbine flow meter is a new generation of turbine flow meter with simple structure, lightness, high precision, good reproducibility, sensitive reaction, convenient installation, maintenance and use. Turbine flow meter is a kind of precision flow measuring instrument, which measures the flow rate and total amount of impurity free and corrosion free liquid.

Features

1. High accuracy: Generally can be up to 1% R、 $\pm 0.5\%$ R, high precision type can be up to 0.2% R.
2. Good repeatability, short-term repeatability can reach 0.05% R~0.2% R. It is precisely because of good repeatability, such as regular calibration or on-line calibration can get extremely high accuracy, it is the preferred flow meter in trade settlement.
3. Output pulse frequency signal, it is suitable for total measurement and computer connection, no zero drift and has strong anti-interference ability.
4. It can obtain very high frequency signal (3-4 KHz) and have a strong signal resolution.
5. Wide range, medium and large diameter can reach 1:20, the small diameter is 1:10.
6. Compact and lightweight structure, easy installation and maintenance, large circulation capacity.
7. It is suitable for high pressure measurement, the instrument body does not need to open holes, easy to make high pressure instrument.
8. Special sensors can be designed for various types according to the special requirements of users, such as low temperature type, two-way type, underground type and sand mixing type.
9. It can be made into insert type and suitable for the large caliber measurement with small pressure loss and low price. It can continuously flow out, easy installation and maintenance.

● UFM ULTRASONIC FLOW METER

UFM ultrasonic flow meter is widely used in the long-term on-line measurement of various liquids, suitable for all dense pipes. The sensor of flow meter is divided into external clamp type, plug-in type and pipe section type, in which the external clamp type and plug-in type can be continuously and uninterrupted flow installation. The main engine can be installed in the indoor, instrument cabinet, the sensor is installed on the pipe, the main engine and sensor are connected by custom cable, the flow rate can be measured, and the ration temperature sensor can realize the heat measurement.

Features

1. Unique waveform display interface, easy to quick install and locate the sensor;
2. Visual man-machine interface, easy to operate;
3. Ground metal sensor has stronger anti-interference ability;
4. Based on digital platform signal processing, high precision, strong anti-jamming ability, it can work well in harsh working conditions;
5. Housing is waterproof, dustproof, anti-oil pollution and a variety of liquids and dirt, it's durable and the waterproof grade is IP67.