

Расходомеры магнитные 4-20 мА

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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GAS MASS FLOW METER/CONTR



4-20mA Magnetic Flowmeter

electromagnetic flowmeter can be used to measure the volume flow of conductive fluid in a closed pipeline. It is widely applied in the flow measurement and control in the fields of chemical and petroleum industry, metallurgy industry, water and wastewater, agriculture and irrigation, paper making, food and beverage industry and pharmaceutical industry, etc.

When the conductive fluid flows through the measuring tube of the sensor, the voltage signal in direct proportion to the average flow velocity of the fluid will be inducted on the electrodes. The signal is amplified and treated by the transmitter to realize various display functions.

PRODUCT ADVANTAGES

The electromagnetic flowmeter consists of two parts: an electromagnetic flow converter and an electromagnetic flow sensor.



High Precision

0.5 level comprehensive precision

Wide Measurement

Chemical sewage, tap water, fire water, mud pulp, etc. (almost all conditions)

Anti-interference

Standard ground screw and grounding three electrode

Long life

Standard non-magnetic stainless steel body is durable and resistant to corrosion

PARAMETER SELECTION

Selection table

Product number							
HDF-DC							
Caliber							
10,15,20,32,50.....200...500...2000 mm							
Lining Material							
L1-PTFE; L2-Rubber ; L3-PFA;L4-Polyurethane							
Electrode material							
EN-316L;Hc-Hastelloy alloy C; Hb-Hastelloy alloy B ; Ta; Ti etc							
Output							
4-4-20mA;P-Pulse; H-Hart; RS-RS485							
Power supply							
A-220V; D-24VDC							
Body Material							
CS-Cast steel; 304-SS304;316L-SS316							
Structure							
I-Integrated type , R-Remote type							
HDFDC	50	L1	EN	4	A	CS	I
Selection Example: HDF-DC-50-L1-EN-4-A-CS-I							

<Selection Tips>

In order to purchase the flowmeter more accurately, please confirm the following three parameters in advance.



Pipe Diameter

Can measure the outer diameter & inner diameter of the pipe & calculate the nominal pass



Flow Range

The normal flow range can be estimated from the rated flow of the on-site pump

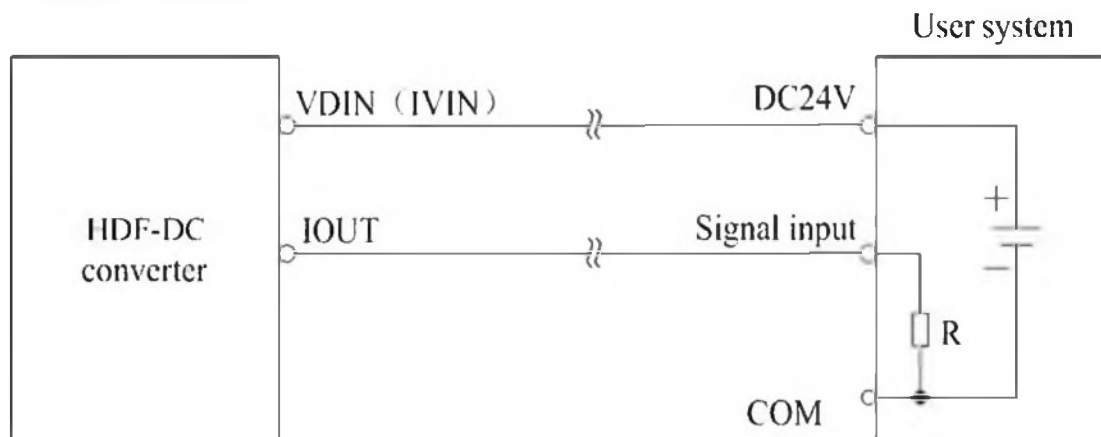


Liquid Medium

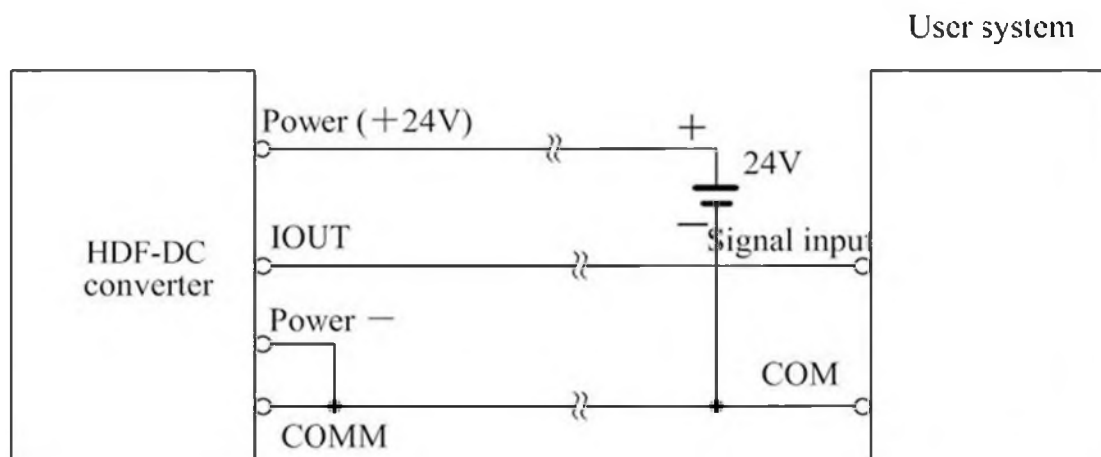
The water in the pipeline is a liquid such as acid and alkali, and what are the common ingredients?

PARAMETER SELECTION

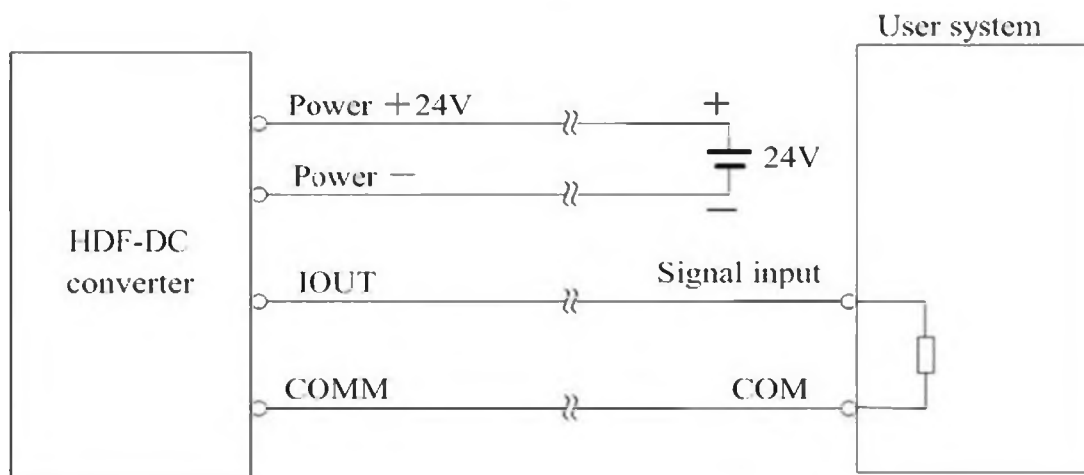
·HDF-DC electromagnetic flowmeter converter's connection of current output:



(a) HDF-DC two wire



(b) HDF-DC three wire (Power supply & Current output)

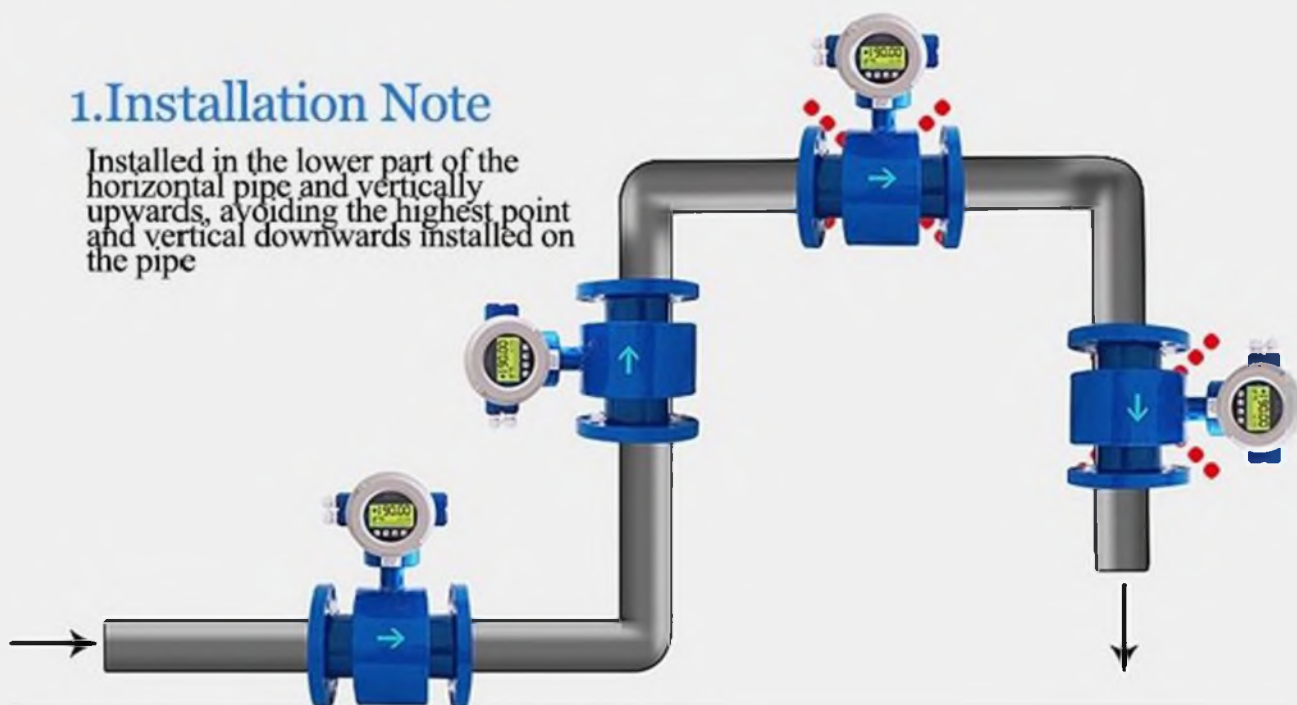


(c) HDF-DC four wire (Power supply & Current output)

INSTALLATION INSTRUCTION

1. Installation Note

Installed in the lower part of the horizontal pipe and vertically upwards, avoiding the highest point and vertical downwards installed on the pipe



2. Installation note

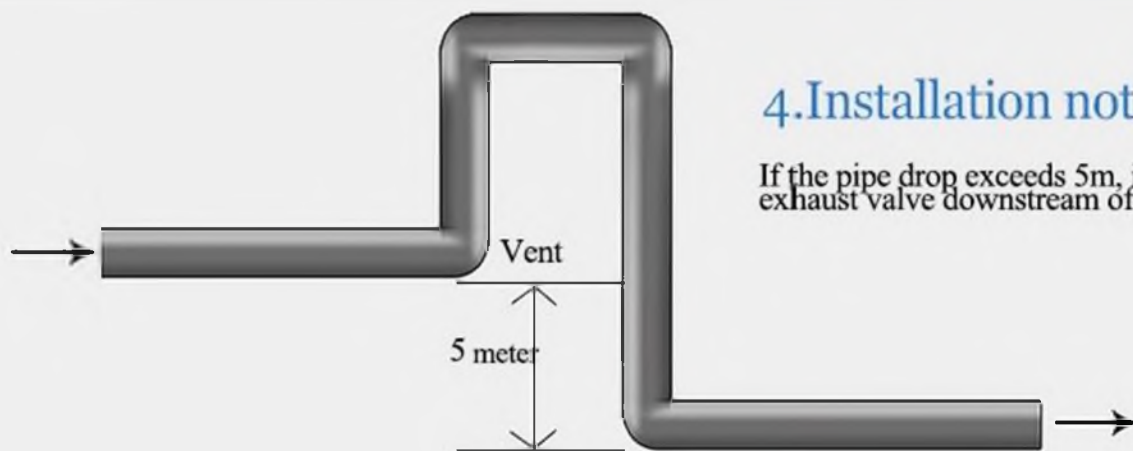
Should be installed at the rise of the pipe



3. Installation note

If installed in the open discharge pipe, it's should be installed in the lower part of the pipe



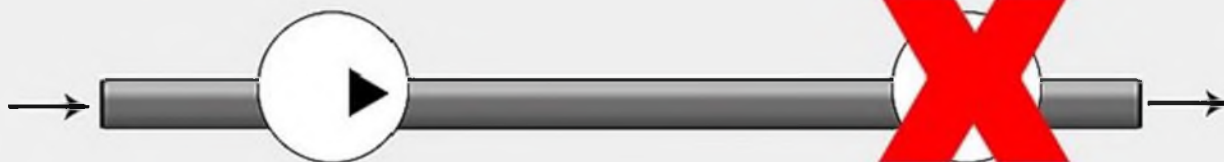


4. Installation note

If the pipe drop exceeds 5m, install an exhaust valve downstream of the sensor

5. Installation note

If the pipe drop exceeds 5m, install an exhaust valve downstream of the



6. Installation note

Front straight : 10 D
Back straight : 5D



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