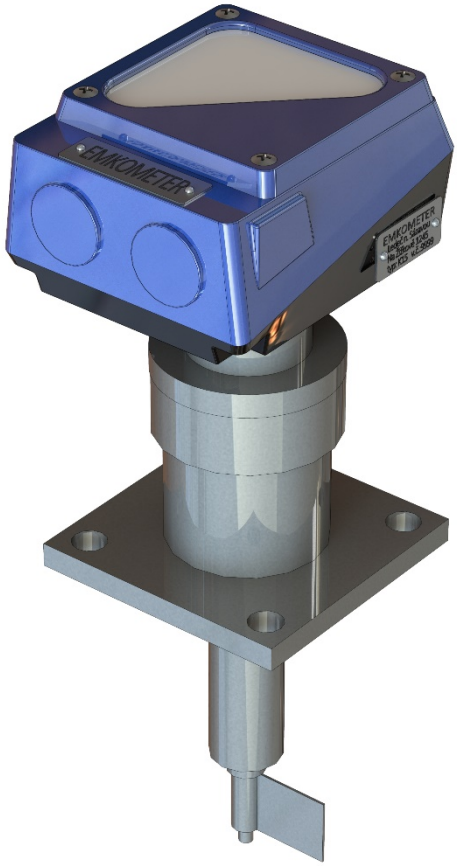


PPV stream gauges - flow alarm controls

- Liquids and gases flow supervision
- Single universal device for various inner diamenters of piping, and various flow sizes
- In-operation fast setting on trigger point of contact´s limit dependent on the flow size
- Random working positon
- Stainless steel robust execution
- Resistance against the pressure strokes
- Possibility of 1-2 pcs limit contact

Application

The PPV type paddle-based stream gauges - flow alarm controls are designed for checking flows of liquids and gases, e.g. in the cooling, tempering circuits as well as for verifying the operation of the pupms, ventilators etc.
The function of stream gauges resides in fluctuating of reaction paddle-like surface under the effect of flow medium, this surface getting over the pre-stress of torsion spring. The pre-stress can be set on during the operation. The transfer of paddle´s positional fluctuation from the close shut space onto indicator´s pointer makes it able to actuate the limit contact.

Technical data

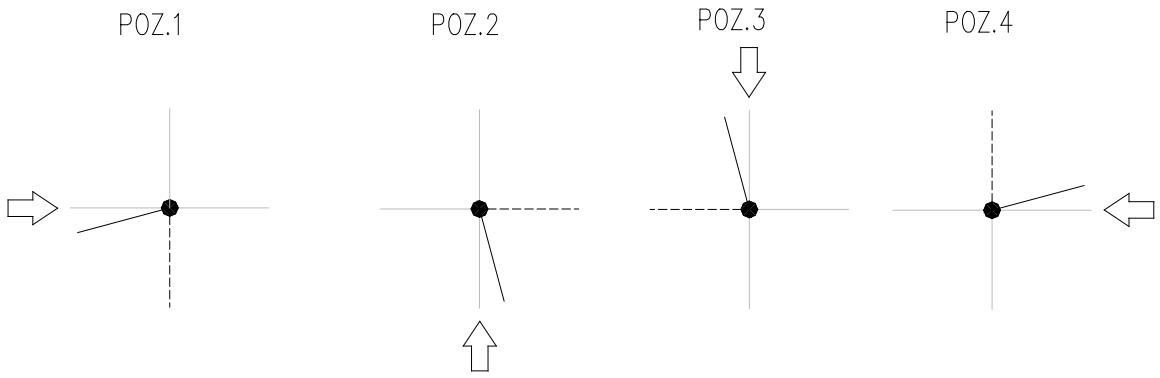
Max. operating medium temperature	150°C
On customer‘s request	350°C
Max. ambient temperature	200°C
Max. ambient temperature when using contact	130°C
Max. operation pressure	4 MPa
On customer‘s request	10 MPa and more
Limit contact	
Max. operation current´s tension	230 V
Max. operation current	1,5 A
Material applied	medium contacting part of device in stainless steel
Fixation of pointing mechanism	ball bearings in stainless steel
Weight	5,5 kg

You are welcome to consult any of your optional technical parameters with the manufacturer.

Assembly, service and maintenance

The stream agauge is flange-fitted onto the lateral side of piping through the120.5-mm flange pitch with the M 12 (4 pieces) screws. A sealing pad on the stream gauge is of circular section shape. Any piping should be cleaned and wash out prior to install the stream gauge.

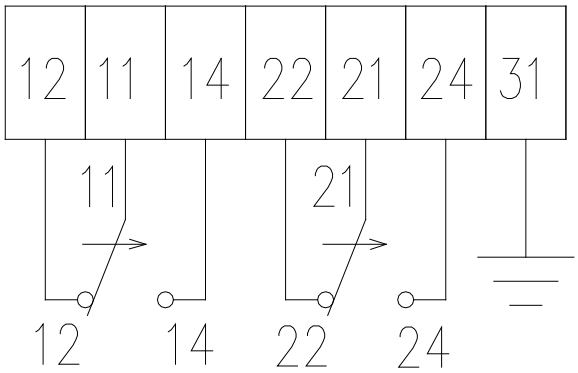
The flow meter is operable in at random positions. The four of them are designated in Fig. 1 = the paddle on the axe is understood as oriented down the medium flow.



Pic. No. 1 - view from the paddle' side

The device may be fitted with one or two limit contacts, wired accordingly to the Pic. No. 2

The transfer of flow to the indicator is provided by permanent magnets, therefore the flow meter should be located out of milieu with a strong magnetic field.



Pic. No. 2 - Wiring int case of two switching over contacts

Testing

During the production, stream meters undergo checking and testing as follows:

- individualized calibration of each device
- tests of material
- tests of size
- aspect tests
- surface finish tests
- tests of assembling and indication correctness
- leakage test
- pressure test

PPV stream gauges - flow alarm controls | Emkometer s.r.o., Na Žižkově 1245, Ledeč n/S., 58401, CZ
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Order

When placing orders, following parameters should be specified:

- estimated flow rate
- sort of medium
- concentration in %
- density
- viscosity
- temperature and pressure
- nominal DN inner diameter of piping
- working position and stream direction, at view on the scale of device