Flow and temperature sensor

*FlexFlow* PF20H

Anything flows.
Product overview *FlexFlow PF20H*

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<th>Applications</th>
<th>Process connections</th>
<th>Measuring range</th>
<th>Operating conditions</th>
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<tr>
<td>Compact flow sensor</td>
<td>CIP method</td>
<td>DIN 11851 (screw milk pipe connection)</td>
<td>10 ... 400 cm/s</td>
<td>−25 ... +150 °C</td>
</tr>
<tr>
<td>Two analog outputs</td>
<td>Flow measurement with high-purity media</td>
<td>ISO 2852 (Tri-Clamp)</td>
<td>−25 ... +125 °C</td>
<td>40 bar max.</td>
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<tr>
<td>Two switching outputs</td>
<td>DIN 32676 (Tri-Clamp)</td>
<td>BHC DN38</td>
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<tr>
<td>Configurable outputs</td>
<td>Varivent Typ N, Typ F</td>
<td>G 1/2” hygienic</td>
<td></td>
<td></td>
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<tr>
<td>No moving parts</td>
<td></td>
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</tbody>
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**Housing**  
Stainless steel  
IP 67  
IP 69K

**Conformity / Approvals**  
cULus  

**Electrical connections and output signals**  
M12-A, 4-pin, stainless steel  
PNP  
NPN  
Digital (push-pull)  
4 ... 20 mA  
0 ... 10 V

**Interfaces**  
IO-Link 1.1

**Appropriate media**  
Water  
Beverages  
Cleaning agents

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*FlexFlow PF20H.*

The sensor operates on the calorimetric measuring principle and besides flow measurements, it will also detect the media temperature.

**Your benefits**

- **Increased process safety**  
The symmetrical and centered sensor design allows for optimal installation in the process in any position for best alignment. This ensures precise measurements and process safety.

- **Less measuring spots, less effort**  
Flow and temperature measurement in a single sensor cuts down on the number of measuring spots and minimizes the effort for installation, service and warehousing.

- **IO-Link for centralized configuration**  
The IO-Link interface allows for configuration of several sensors in parallel. This simplifies switching point adjustment for different process stages and saves time. PLC central storage of the data sets guarantees error-free system configuration.


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