



Measuring range 2...65 l/min

Low pressure drop

Nominal diameter DN 20

Patented structure

Flow sensors for heat pumps

VVX20 LowFlow

LowFlow flow sensors

For the new generations of heat pumps

SIKA Vortex flow sensors are the **first choice in heating circuits** of various heat pump systems. They are used by leading manufacturers worldwide.

The **measuring range of the flow sensor, which is perfectly tailored to the heat pump**, enables even more efficient operation of the heat pump and prevents the heat exchanger from freezing.

Made in Germany: We manufacture our Vortex flow sensors as OEM products **from development to production** at our site in Germany.



Fully encapsulated sensor element

Product features

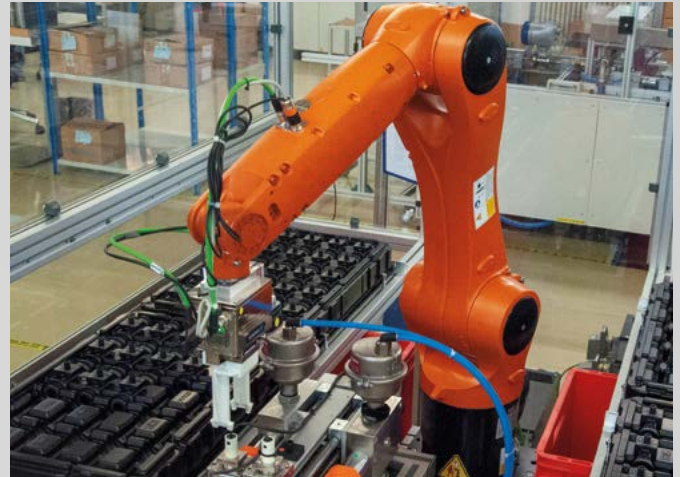
- Increasing the efficiency of the heat pump through control even at low flow rates
- Reliable measurement owing to the very good measuring accuracy
- The low pressure drop of the sensor can contribute to a reduction in the power consumption of the heating circuit pump
- The compact design means it can be used even if only a small space is available
- No moving parts
- Long-term stable measurement thanks to the sensor element which is completely encapsulated in plastic to protect it against contamination
- Insensitive to pressure peaks during filling
- Threaded connection or QuickFasten
- Digital or analogue output signal
- Available in nominal diameter DN 20
- Insensitive to contamination

100% tested

Before delivery, each flow sensor is subjected by our test robot to a final **100% water flow test**. Each flow sensor is also traceable via its serial number.

The test results are recorded, test reports are made available to customers on request.

A calibration of the output signals and the calibration at three test points ensures **traceable measuring performance**.

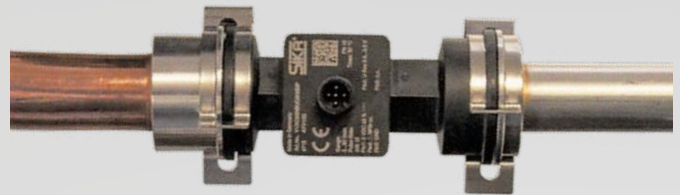


Final testing by test robot

Easy to integrate

Various process connection options enable the simple integration of SIKA Vortex flow sensors into your heat pump.

Especially if you use the **QuickFasten connector**: This allows tool-free assembly with form-fitting connection, fast and safe → **Poka-Yoke**.



Vortex VVX20 LowFlow with QuickFasten connector

Highly optimised

Co-engineering: As an additional service, we test the SIKA-VVX flow sensor in **your hydraulic system**. This allows us to optimise the measuring performance in **your actual installation situation**. You will then receive our detailed test report.

The **integrated microcontroller** enables customer-specific adaptation via about 60 software parameters.

Fully qualified

In the **SIKA test laboratories**, many qualification tests ensure that you receive **a perfect product**. Temperature shock and contamination tests are only two of **at least 13 tests** that we carry out as part of our product development.

For your validation purposes, we will be happy to supply you with test equipment with a SIKA works calibration certificate.

Testing in hydraulics provided by the customer



SIKA – your reliable partner

With SIKA you have a **reliable partner at your side**. With **over 45 years of application experience**, we offer you the right flow measurement principle for your products.

We have **extensive production capacities in Germany** and an international sales network with local contact partners. This way we guarantee a high availability of spare parts and customer service which impresses in **large and small series** worldwide.

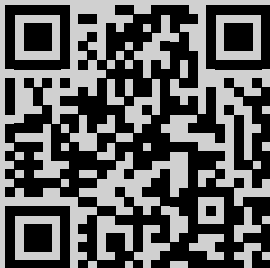
Our sensors **prove themselves millions of times a day** and in many cases have been adapted to customer-specific requirements **far beyond the industry standard**.

And just as our products **are 100% tested**, we always give **100%** in everything we do. This is why leading heat pump manufacturers rely on SIKA and SIKA Vortex flow sensors.

Get in touch!

Do you have a question about the SIKA Vortex flow sensors? Or do you need a reliable partner for your measurement task? Our website **www.sika.net** offers you more information about our products.

Or **contact us directly**: Send us an email at info@sika.net or call us at +49 5605 803-0. **We look forward to your inquiry!**





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