

# RELIABLE SIMPLICITY

## OPTIMIZE YOUR SYSTEM WITH DEDICATED SENSORS



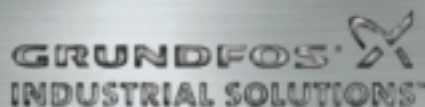
A close-up photograph of a metallic Grundfos direct sensor. The sensor has a threaded port at the top and a main body with the Grundfos logo and name embossed on it. The background is dark and out of focus.

GRUNDFOS

be  
think  
innovate

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# THE DIRECT WAY TO OPTIMUM PERFORMANCE



**Reliable simplicity is at the very core of Grundfos' range of direct sensors, which comprises dedicated and robust solutions for measurement of flow, pressure and temperature in a wide variety of applications.**

When selecting Grundfos Direct Sensors™ to meet your measurement requirements, you are guaranteed sensors that have been specifically developed for pump applications. We are one of only a few manufacturers offering a wet/wet 2.1 solution for pressure and differential pressure with integrated temperature sensor, all based on Silicon Coated Sensor Technology.

## **Patented Silicoat® technology**

The patented Silicoat® technology provides you with a number of benefits:

- Extreme resistance to corrosion even in aggressive fluid
- Ensures protection against wear & tear for optimized product life
- Offers a wet/wet solution with direct fluid contact and fast response time

## **Easy installation**

Grundfos Direct Sensors™ require no configuration prior to installation. Easy mounting either as thread version with fittings or the unique Grundfos flange mounting. Loose flanges further facilitate installation, enabling a perfect fit.

## **Application**

- Chiller systems
- HVAC
- IT cooling
- Commercial-Residential heat pump
- Commercial-Residential solar thermal systems





# GRUNDFOS DIRECT SENSORS™ FOR EVERY REQUIREMENT



## DPI/DPI+T

Differential pressure transmitter eliminates the need for pressure sensors on both sides of the pump. The sensor can be delivered as a combined differential pressure and temperature sensor.

- > **Pressure range:** 9 to 240 psi
- > **Fluid temperature:** -22 °C to 250 °F
- > **System pressure:** 360 psi
- > **Burst pressure:** 870 psi
- > **Temperature range:** 32 °C to 212 °F
- > **Material:** Aisi 316 L
- > **Pressure output:** 4 to 20 mA
- > **Temperature output:** 2 x 0 to 10 V



## RPI/RPI+T

The pressure sensor efficiently combines pressure and temperature measurement in just one sensor. Both versions offer the wet/wet solution securing direct fluid contact and fast response.

- > **Pressure range:** 9 to 350 psi
- > **Fluid temperature:** -22 °C to 250 °F
- > **System pressure:** 360 psi
- > **Burst pressure:** 870 psi
- > **Material:** Aisi 316 L
- > **Temperature range:** 32 °C to 212 °F
- > **Pressure output:** 4 to 20 mA
- > **Temperature output:** 0 to 10 V



## FLOW (VFI)

The vortex flow transmitter successfully combines the well-established vortex principle with the patented Silicoat® technology to offer highly reliable measurement in any liquid.

- > **Flow range:** 1.5 to 1058 gpm
- > **Fluid temperature:** -22 °C to 250 °F
- > **Output:** 4 to 20 mA
- > **Material:** Aisi 316 L
- > **System pressure:** 360 psi
- > **Burst pressure:** 870 psi

## ABOUT GRUNDFOS

Grundfos Direct Sensors™ are part of the extensive Grundfos portfolio of pumps and pump systems. Every solution is backed by decades of solid know-how and a desire to push the boundaries for innovative pump technology – and naturally provides reliable, efficient performance. Take advantage of an expert design, manufacturing, service and support team. All from one company; so you only have one point of contact.

Explore the complete Grundfos portfolio at  
[www.grundfos.us](http://www.grundfos.us)

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