

GRUNDFOS DIRECT SENSORS™

RELIABLE SIMPLICITY

OPTIMIZE YOUR SYSTEM WITH DEDICATED SENSORS



BE > THINK > INNOVATE >

GRUNDFOS® 

THE DIRECT WAY TO OPTIMUM PERFORMANCE



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

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

Patented Silicoat® technology

The patented Silicoat® technology provides you with a number of benefits. The Silicon offers extreme resistance to corrosion even in aggressive fluid. This technology ensures protection against wear & tear for optimized product life. This enables Grundfos to offer a wet/wet solution with direct fluid contact and fast response time.

Application

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



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.

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 version is 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. As a truly global company, Grundfos offers you easy access to sales, support and service professionals in 45 countries around the world. Wherever you are based, extensive pump and pump application know-how will be available to you in your local language.

Explore the complete Grundfos portfolio at
www.grundfos.us

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