PFC eSTORE
Clear Solutions Technology Company

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GRUNDFOS VFI FLOW TRANSMITTER 8.8 TO 176 GPM

Wetted Material 316SS-EPDM | Connections DIN 40/2" Flanges Cast Iron | Flow Rate 8.8-176 GPM

Applications

• Water treatment and distribution
• light chemical industry
• water management
• pool and water resorts
• heating
• air-conditioning
• cooling towers
• condensing units
• solar collectors.

SKU: 97686143
Stock: Out of stock contact us for lead time
Categories: Grundfos Flow Sensors
Tags: GRUNDFOS FLOW SENSORS
Model Number VFI 2-40
Part Number 97686143

PRODUCT DESCRIPTION

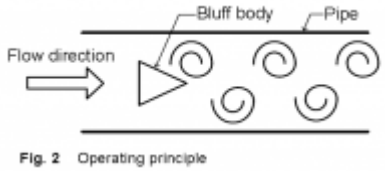

Fig. 2 Operating principle

The bluff body is designed to optimise the pulse strength of the pressure variations at the position of the differential pressure detector. The bluff body is an integrated part of the injection moulded flow pipe, or supplied as a composite insert solution. Flow ranges are determined by the pipe diameter and the signal processing parameters. The differential pressure detector key elements are a bulk micromachined silicon chip and a microprocessor-based signal-conditioning circuit, both on the same PCB. The conditioning circuit converts the pressure reading to a signal proportional to the flow
through the pipe. The electronics are protected by an IP44 composite housing. The chip has a square membrane, which deflects due to pressure. Strain gauges are incorporated in a Wheatstone bridge configuration on stress intensive positions on the membrane. The pressure and temperature sensitive area (the membrane region) is coated on both sides by an extremely corrosion and diffusion resistive thin film (Silicoat®). The coating provides direct environmental robustness of the chip. The separation of the media and media-free zones is provided by O-ring sealing.

Estimated delivery is 10 to 12 weeks

Product photo could vary from the actual product

General Info

General Data

ADDITIONAL INFORMATION

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Weight	20 lbs
Dimensions	14 × 12 × 12 in
Connections	DIN 40
Flow	8.8 – 176 GPM
Wetted Material	316SS-EPDM