



## Series DAF Flow Indicator Installation and Operating Instructions

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### Precautions

**User's Responsibility for Safety:** KOBOLD manufactures a wide range of process sensors and technologies. While each of these technologies are designed to operate in a wide variety of applications, it is the user's responsibility to select a technology that is appropriate for the application, to install it properly, to perform tests of the installed system, and to maintain all components. The failure to do so could result in property damage or serious injury.

**Proper Installation and Handling:** Use a proper sealant with all installations. Never over tighten the sensor within its fittings. Always check for leaks prior to system start-up.

**Temperature and Pressure:** Temperature and pressure maximums vary depending upon the material selected. Operation outside these limitations will cause damage to the unit.

### Description:

The Kobold DAF Rotating Vane Flow Indicator is applied where visual flow indication without flow measurement is required. A rectangular housing with transparent windows, front and back, contains a rotating vane whose rotary motion, caused by the flowing medium, indicates presence of "flow".

Within the same housing dimensions, differing minimum and maximum flow ranges are obtained by changing the inlet port orifice.

### Installation:

#### Installation hints:

- The instruments can be installed in any position. Flow, however, must always be in the direction of arrow.
- PTFE tape should be used for sealing connections where permitted.
- During installation, the fittings must be secured firmly to avoid transmission of pipeline stresses into the housing.
- During operation, observe that the maximum permitted flow is not exceeded, otherwise under certain conditions, this can lead to damage to the rotating vanes.

**Material Compatibility:** Make sure that the material of construction is chemically compatible with the application liquids. While the sensor's outer housing is liquid resistant when installed properly, it is not designed to be immersed. It should be mounted in such a way that it does not normally come into contact with fluid.

#### Flammable, Explosive and Hazardous

**Applications:** This unit is not an explosion-proof design. It should not be used in applications where an explosion-proof design is required.

**Make a Fail-Safe System:** Design a fail-safe system that accommodates the possibility of sensor or power failure. In critical applications, KOBOLD recommends the use of redundant backup systems and alarms in addition to the primary system

### Dimensions:

