



Series DKF Paddlewheel Flow Indicator Installation and Operating Instructions

KOBOLD Instruments, Inc. 1801 Parkway View Drive, Pittsburgh, PA 15205
Telephone: (412) 788-2830 FAX: (412) 788-4890 www.koboldusa.com

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.

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

Description:

The Kobold Paddlewheel Flow Indicator is applied wherever visual flow indication without flow measurement is required. The domed sight glass with the colorful paddlewheel can readily indicate liquid flow allowing full 360° visibility from above.

Specifications:

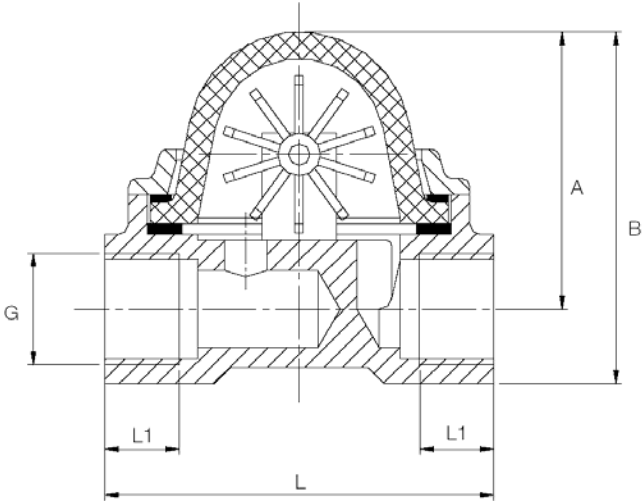
Maximum pressure: 85 PSIG
Maximum temperature: 250 °F

Installation:

Installation hints:

- The instruments should be installed horizontally with the dome facing up. Flow however must be in the direction of arrow.
- PTFE tape should be used for sealing connections.
- During installation, the fittings must be secured firmly to avoid transmission of 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.

Dimensions:



NPT	L1	L	A	B	Weight kg
1/8"	8	56	41	50	0.3
1/4"	10	56	41	50	0.28
3/8"	14	73	53	67	0.57
1/2"	14	73	53	67	0.54
3/4"	16	109	72	94	1.41
1"	18	109	72	94	1.30