

Positive Displacement Spur Gear Flow Meter

Ideal for measuring chemicals, including the strongest of chemicals such as acid, caustic-based fluids and corrosives.

Applications:

Harsh chemical environments call for special products. That's why AW Gear Meters developed this flow meter, specifically designed for the chemical dispensing industry. Molded of tough thermoplastic and made to provide years of service, these flow meters stand up to the strongest chemicals, including acids, caustic-based fluids and corrosives.

Benefits:

SIMPLE TO INSTALL & USE

These meters are easy to use and install, since there is no need for straight run piping upstream or downstream of the flow meter.

CHEMICAL RESISTANT

This meter is constructed of thermoplastic materials that are safe for use with a wide variety of acids and chemicals.

FLEXIBLE

Meter may be used in applications requiring bi-directional flow.

Products may be subject to change without notice - Contact factory for the most up-to-date product information.

Meter Data:

Meter Size	Flow Range (GPM)	Impulses/Gallon	Impulses/cc	Diameter (in)	Height (in)	Weight (Lbs / Kg)	Ports	Filtration (microns)	Pressure Rating
JVK-60	0.1-7.0	1,800	0.47	4.5"	3.36"	4.0 / 1.77	1/2" NPT	120	500 psi

Recommended Sensors:

Sensor Type	Model	Sensor Features
Meter mounted analog output sensor	FIP-xxx	3-wire analog output, current or voltage
Infrared optical sensor	IR-Px	Sinking (IR-PA) or sourcing (IR-PB) pulse output



Technical Specifications:

- **Flow range:** 0.1 to 7.0 gpm
- **Working pressure:** up to 500 psi
- **Accuracy:** ± 1.0% over 10:1 turndown with 30cP fluid
- **Repeatability:** ± 0.2%
- **Fluid Temperature Range:** 50°F to 110°F (10°C to 43°C)
- **Ports:** Female NPT

Materials of Construction:

- **Body:** Kynar® (PVDF)
- **Gears:** PTFE
- **O-Ring:** PTFE
- **Shafts:** Ceramic (Al₂O₃)

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