



## AW FLOW METERS

### JVK Series

# Positive Displacement Flow Meter for Chemicals



### Technical Specifications:

- Flow ranges 0.02 to 7 GPM
- Accuracy  $\pm 1.0\%$  of reading
- Pressure rating up to 500 PSI
- Economical cost
- Compatible with acid and caustic fluids
- Thermoplastic construction
- Pulse, mA and Voltage Sensors available
- Bi-directional flow capabilities

### What is a JVK meter?

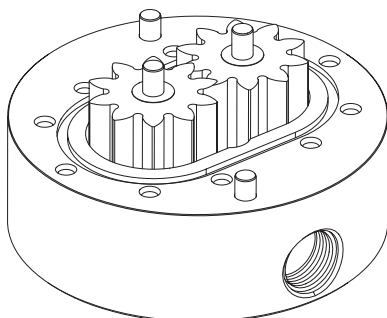
The JVK Series is a line of positive displacement flow meters that economically and reliably meet the harsh demands of the chemical dispensing market. The JVK features materials of construction designed to provide years of service when used with the strongest chemicals including acid and caustic based fluids.

A non-intrusive sensor detects the movement of the gears and produces a square-wave pulse for each gear tooth. This high resolution pulse train is proportional to the actual flow rate and provides a highly accurate representation of the fluid flow. The positive displacement principle is able to retain accuracy in conditions of changing viscosity and temperature and for this reason is superior to turbine flow meters in chemical dispensing applications.



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### Meter Technical Data

#### Materials of Construction:

**Body:** Kynar® (PVDF)

**Gear:** Teflon® (PTFE)

**O-Ring:** Teflon® (PTFE)

**Shafts:** Ceramic (Al<sub>2</sub>O<sub>3</sub>)

**Accuracy:** ± 1.0% over 10:1 turndown with 30 cP fluid

**Repeatability:** ± 0.2%

**Temperature:** 50-110° F

**Filtration:** Not Provided – See recommendation

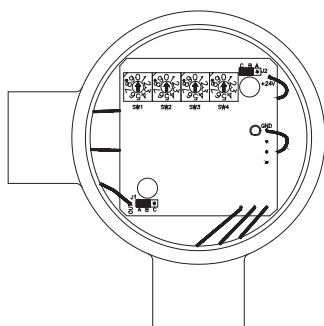
**Porting:** Female NPT

**Sensors:** Pulse output standard

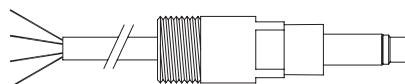
Meter Type	Range Gal/Min	Impulse/ Gallon	Impulse/ cc	Dia (in)	Filtration (Micron)	Ports	Wt (lbs)	Pressure Rating (PSI)
JVK-20	0.02 to 0.9	15,460	4.0	3.5	120	1/4" NPT	1.5	500
JVK-60	0.1 to 7	1,800	0.47	4.5	120	1/2" NPT	4.0	500

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

### FIP-Analog Output Pickup



### IR-PX Infrared pulse output Pickup



Products may be subject to change without notice – Contact factory for current information