

Positive Displacement Gear Meter

Ideal for flow measurement of low and medium viscosity fluids (solvents, polyurethanes, oils and other non-abrasive fluids) at very low flow rates, as in chemical injection.

Applications:

AW Gear Meters offers these spur gear positive displacement flow meters that are suitable for a variety of industrial applications, including:

- Chemical injection skids
- Fuel & solvent measurement
- Liquid seal bead dispensing
- Cylinder position measurement
- Batching
- Low flow applications to 2 cc/min (0.0005 gal/min)

Benefits:

ACCURATE & RELIABLE

This meter has the ability to maintain consistent accuracy despite changing viscosity conditions, with accuracy of +0.5% of reading or better. Low friction gears and bearings allow for accurate measurement of low viscosity fluids, down to 1cP.

RUGGED CONSTRUCTION

This PD meter's solid construction of 316 stainless steel body and stainless steel gears & bearings stand up to the most rugged environments.

FLEXIBLE

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

SIMPLE TO INSTALL & USE

Installation is easy because there is no need for straight run piping upstream or downstream of the flow meter.



Technical Specifications:

- **Flow range:** 0.0005 to 0.25 gal/min
- **Working pressure:** 5,000 psi
- **Accuracy:** ± 0.5% or better, 10:1, 30cP
- **Repeatability:** ± 0.1%
- **Max Fluid Temperature:** Depends on sensor used, refer to sensor tech. guide
- **Certifications:** ATEX approved, non-sparking, CSA Class 1, Div. 1
- **Bi-directional flow capability**
- **NPT female ports**

Materials of Construction:

- **Body:** 316 Stainless Steel
- **Gear:** Stainless Steel
- **O-Ring:** PTFE
- **Bearings:** Stainless Steel

Meter Type	Range (gal/min)	Impulse/gallon	Impulse/cc	Diameter (inches)	Height (inches)	Weight (lbs)	Ports	Filtration (micron)	Pressure Rating (psi)
JVS-01UF-25-NPT	.0005-.25	151,300	40	3.3	2.2	4	1/4" NPT	<10	5000
JVS-01UF-25-NPT-EX	.0005-.25	151,300	40	3.3	2.2	4	1/4" NPT	<10	5000

Compatible Sensor	Sensor Type	Sensor Features
HUB-40-Ex	Hazardous area rated sensor	CSA/CUS certified pulse output hall effect single sensor
FIP-xx	Meter mounted analog output sensor	3-wire analog output, current or voltage
RT-30Ex	Hazardous area rated flow transmitter	Rate & local display with 4-20mA analog output
MAG-xx	Hall effect single sensor	Frequency output with conduit connection

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