AW COMPANY

The JV-KL Series

POSITIVE DISPLACEMENT FLOW METERS

The JV-KL Series represents affordable, accurate positive displacement flow metering. One of the meter's primary features is the ability to maintain consistent accuracy despite changing viscosity conditions. This reliability, coupled with a large turndown range, offers an affordable replacement for older turbine technology. The meter's solid construction and excellent dynamic response are well suited to the measurement of oils, greases, fuels, solvents, polyurethanes, brake fluid, skydrol as well as other nonabrasive lubricating fluids. The meter is available in a stainless steel or high strength aluminum body. Non-intrusive sensors, panel displays and electronic modules can be added to complete this superior value package.

APPLICATIONS

Oils • Greases • Polyurethanes • Fuels • Additives • Solvents • Chemicals • Lubricants

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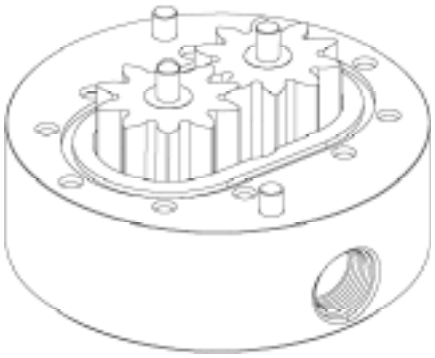


The JV-KL flow meters are simple to use and to install, as there is no need for additional straight run piping upstream or downstream of the flow meter. The meters produce good resolution and high accuracy at low flow rates. Flow may be bidirectional without damage to internal parts. The meter body is available in 303 & 316 stainless steel or high strength aluminum, while gears and bearings are all stainless steel construction. A variety of sensor options are available to meet most user needs, these include frequency, analog, high resolution and quadrature outputs.

Meter Type	Range Gal/Min	Impulse/ Gallon	Impulse/ CC	Diameter (in)	Height (in)	Port	Filter (micron)	PSI
JV#-10KL	0.003 - 0.5	87,000	23.0	2.00	1.50	¼" NPT	30	3000*
JV#-20KL	0.01 - 2.0	13,900	3.67	2.50	2.25	¼" NPT	30	5000**
JV#-60KL	0.05 - 20	1,800	0.49	4.50	3.00	½" NPT	50	5000
JV#-80KL	0.5 - 60	1,630~	0.43	7.85	5.50	1¼" NPT	120	5000
JV#-90KL	1.0 - 120	860~	0.23	7.85	7.00	1¼" NPT	240	5000

 # Complete part # by selecting body material as follows: JVA = AL, JVM = 303SS, JVS = 316SS

* JVM, JVS rated to 5000 psi, 14,000 psi optional **Optional 14,000 psi

~ Configured for x4 sensor output

Meter Technical Data

Materials of Construction:

Body: JVA Series - High Strength Aluminum
JVM Series - 303 Stainless Steel
JVS Series - 316 Stainless Steel

Gears: 17-4 PH Stainless Steel

Bearings: 440 Stainless Steel (Ceramic Available)

O-Ring: Teflon (Viton Available)

Accuracy: ±0.5% of actual reading at 30 cSt measured over a 10:1 turndown.

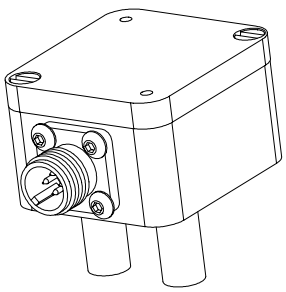
Repeatability: ±0.1%

Temperature: (Flow Meter) 300° F Aluminum Body
(Flow Meter) 400° F Stainless Steel Body

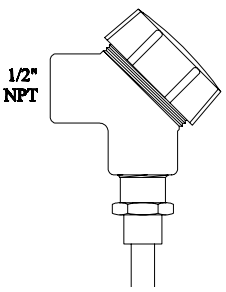
Pickup Sensors Available

Model	Sensor Types	Sensor Features
DH-20 or 60	Standard hall-effect sensor	Square wave frequency or Quadrature Output
MAG-EX	Explosion proof sensor	Pulse output, with conduit connection
FIP-XXX	Meter mounted analog output sensor	3 wire, 4-20mA or voltage analog output
CAPM-15	High temp sensor to 400°F for Stainless Steel	Separated pickup & amplifier module
HEF-15	High temp sensor to 290°F for Aluminum	Separated pickup & amplifier module
HALL-82 or 86	High resolution hall effect sensor	X8 frequency to 50Hz max
QUAD-80	High resolution hall effect sensor	X4 frequency incl. quadrature - 80KL & 90KL

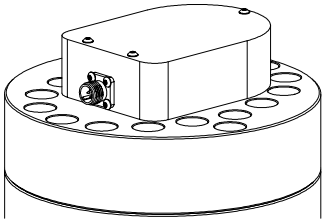
DH Sensors



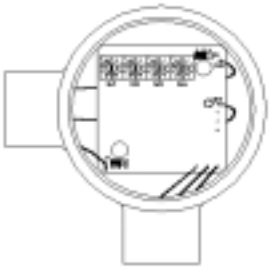
MAG-EX-xx



Quad-80



FIP-Analog Output Pickup



updated 04/02

(XX) Indicates either sourcing version (AB) or sinking (A) version.

FILE: JVKL.P65

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