



AW FLOW METERS

JVS / HPM-SLG Series Positive Displacement Flow Meter



Technical Specifications:

- Flow ranges 0.003 to 2.0 GPM
- Accuracy $\pm 0.5\%$ of reading
- Pressure rating up to 2000 PSI
- Special Titanium coated gears available upon request
- Compact for tight spaces
- 303 and 316 SS bodies
- Manifold Mount or Threaded Port
- Fiber Optic or Pulse Sensors

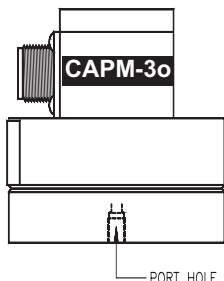
What is a JVS / HPM - SLG Meter?

Automotive paint systems place extreme demands on their components. For over 15 years, AW brand flow meters have met these demands, and more. The JVS-SLG and HPM-SLG Positive Displacement Flow Meters feature smaller, lighter bodies than traditional flow meters, making them easier to install on robotic arms and in tight spaces. These meters also feature a revolutionary body with virtually no dead space, allowing for extremely efficient flush cycles and color changes. Available in 303 or 316 stainless steel and with a variety of sensor options including fiber optic and intrinsically-safe designs for electrostatic applications, these meters are the industry standard for water-based and solvent-based paints and coatings.



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Meter Technical Data

Materials of Construction:
Body: HPM 303 SS
 JVS 316 SS
Gear: DIN 1.4122
Seal: JVS: Teflon Oring
 HPM: Teflon gasket
Bearings: Tungsten Carbide

Accuracy: ± 0.5% over 10:1 turndown with 30 cP fluid
Repeatability: ± 0.1%
Temperature: 180° C / 350° F
Filtration: Not Provided - See recommendation
****Porting** BSPP, NPT adapters available

Meter Type	Range Gal/Min	Impulse/ Gallon	Impulse/ cc	Ports	Filtration (micron)	Wt (lbs)	Pressure Rating (PSI)
JVS-10SLGS	0.003-0.5	100,300	26.5	1/8" BSPP	120	2.75	2,000
JVS-10SLGFS	0.003-0.5	100,300	26.5	6 mm	120	2.75	2,000
JVS-15SLGS	0.01 -1.0	31,000	8.2	1/8" BSPP	120	2.75	2,000
JVS-15SLGFS	0.01-1.0	31,000	8.2	6 mm	120	2.75	2,000
JVS-20SLGS	0.02-2.0	15,900	4.2	1/8" BSPP	120	3.00	2,000
JVS-20SLGFS	0.02-2.0	15,900	4.2	6 mm	120	3.00	2,000
HPM-15SLGF*	0.01-0.5	31,000	8.2	6 mm	120	2.50	500
HPM-15SLG*	0.01-0.5	31,000	8.2	1/8" BSPP	120	2.50	500
HPM-20SLGF*	0.02-2.0	15,900	4.2	6 mm	120	3.00	500
HPM-20SLG*	0.02-2.0	15,900	4.2	1/8" BSPP	120	3.00	500

* = Titanium coated gears available for water based fluids

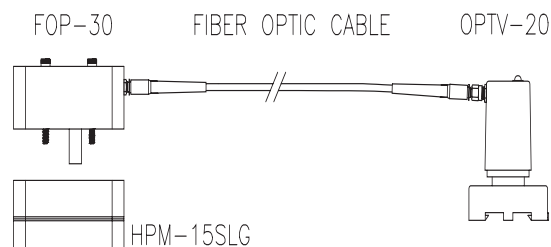
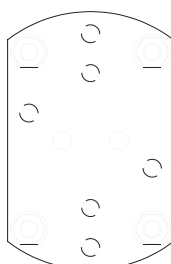
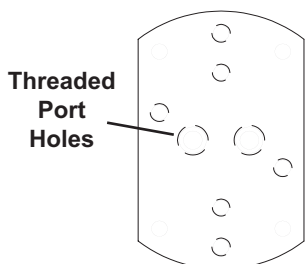
Model	Sensor Types	Sensor Features
CAPM-3o	Single Sensor - UL Approved	Intrinsically safe, frequency output when used with a barrier
Fiber Optic System FOP 30/S includes:		
FOP-30	Fiber Optic Sensor	Fully isolated optical signal
OPTV-20	Light to Frequency Converter	Converts optical output to frequency output
Fiber Optic Cable	Standard Heavy Duty Fiber Optic Cable	Available in 30, 40, 60 & 100 foot lengths

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

JVS-XX SLGS or HPM-XX SLG

JVS-XX SLGFS or HPM-XX SLGF

Fiber Optic System FOP 30/S



- Standard corner bolts
- Port Threads
- Unthreaded corners with long bolts
- No Port Threads