

JVHS-EX

Positive Displacement Spur Gear Flow Meter

Work Extremely Well Under High Pressure.

Applications:

Designed for use in systems rated up to 15,000 psi (1035 bar), the JVHS gear meters are durable, accurate, and safe in high pressure environments. The JVHS series all can be hydro tested to 1.5 times the working pressure rating.

The JVHS meters, constructed of 316 stainless steel with Xylan[®]-coated bolts, come equipped with medium-pressure autoclave connections. These units are for use in high pressure hydraulic and fuel systems; in offshore chemical injection systems including methanol, corrosion and wax inhibitors; or in water treatment chemical-injection systems.

Features:

- Three flow ranges from 0.003 to 7.0 GPM
- Accuracy: up to 0.5% of reading
- Pressure rating up to 15,000 PSI (1035 bar)
- Bi-directional flow capabilities
- Non-intrusive sensors, panel mount displays, and electronic modules available

Benefits:

AFFORDABLE & ACCURATE

This meter has the ability to maintain consistent accuracy despite changing viscosity conditions*, with accuracy of +0.5% of reading.

RUGGED CONSTRUCTION

The JVHS's solid construction is made of 316 stainless steel for corrosion resistance and durability.

FLEXIBLE

Meter may be used in applications requiring bi-directional flow, and can be hydro tested to 1.5x the working pressure rating.

HAZARDOUS ENVIRONMENT READY

A complete line of explosion-proof sensors and displays are available for the JVHS meters.

* For viscosities above 30cP.



Technical Specifications:

- **Three flow ranges:**
0.003 to 0.8 gpm
0.01 to 2.0 gpm
0.03 to 7.0 gpm
- **Working pressure:**
up to 15,000 psi
- **Accuracy:**
± 0.5% over 10:1 turndown with 30cP fluid
- **Repeatability:**
± 0.1%
- **Max Fluid Temperature:**
Depends on sensor used, refer to sensor technical guide
- **Ports:**
3/8" MP Autoclave

Materials of Construction:

- **Body:** 316 stainless steel
- **Gear & ball bearings:** stainless steel
- **O-Ring:** PTFE
- **Bolts:** Xylan[®] coated steel

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Meter Data:

Meter Size	Flow Range (GPM)	Impulses/Gallon	Impulses/cc	Diameter (in)	Height (in)	Ports	Filtration (microns)	Pressure Rating	Weight (Lbs / Kg)
JVHS-12KG	0.003-0.8	53,000	14.0	3.75"	2.5"	3/8" med pressure Autoclave	30	15,000 psi	7.5 / 3.4
JVHS-20KG	0.01-2.0	15,900	4.2	3.75"	2.5"	3/8" med pressure Autoclave	30	15,000 psi	7.4 / 3.36
JVHS-30KG	0.03-7.0	6,600	1.7	3.75"	3.0"	3/8" med pressure Autoclave	30	15,000 psi	8.9 / 4.04

Part Number Guide:

JVHS - -

Flow Range:

12 = 0.003 - 0.8 GPM

20 = 0.01 - 2.0 GPM

30 = 0.03 - 7.0 GPM

Options:

KG = Standard Unit

KG-EX = Explosion Proof

Example:

A **JVHS-12KG-EX** has a flow range of 0.003 to 0.8 GPM and is modified to accept an explosion-proof sensor.



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

Recommended Sensors:

Sensor Type	Model	Sensor Features
Hall effect single sensor	MAB-Px	Frequency output, with conduit connection*
Meter mounted analog output sensor	FIP-xxx	3-wire analog output, current or voltage*
Hazardous area rated sensor	HUB-40EX	CSA/CUS certified pulse output hall effect single sensor
Hazardous area rated flow transmitter	RT-30EX	CSA/CUS certified rate & total display, 4-20mA analog output, HART communication available

*Non-EX only

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