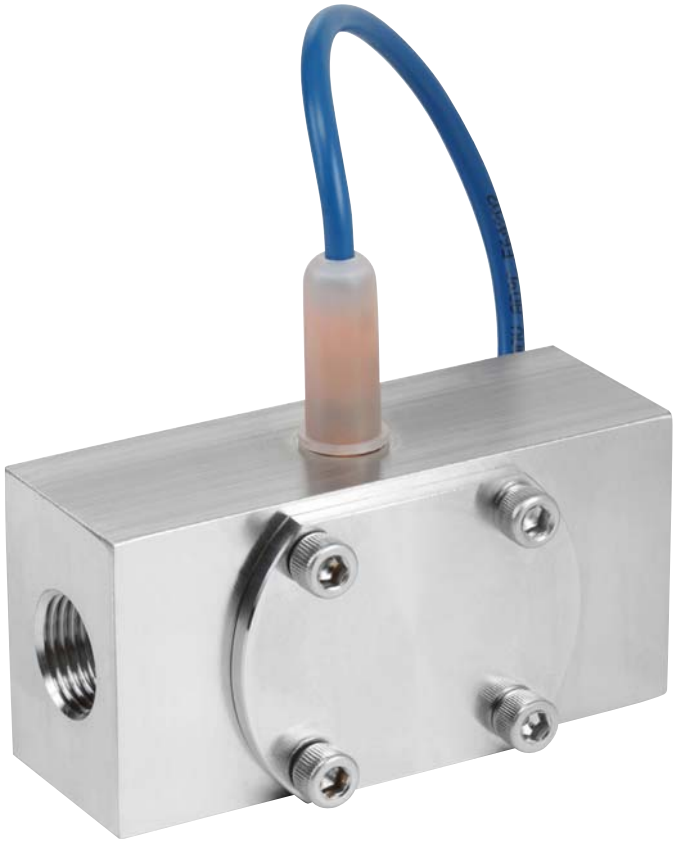
SES
Stainless Single-Jet Meter

ISO 9001:2008 CERTIFIED



FEATURES

- Accurate at low flows
- Simple and durable
- Rugged body
- High tolerance for problem fluids

APPLICATIONS

- Low flow monitoring
- Chemical batching
- Proportional chemical injection
- Fertilizer injection

GENERAL INFORMATION

The SES single-jet meter provides accurate, wide range flow metering in an extremely rugged stainless steel package. Single-jet simplicity combined with high quality jewel bearings results in long life and relatively high tolerance for problem fluids. Typical applications are chemical batching, proportional chemical injection, fertilizer injection, proportioning of spray chemicals, and general flow rate monitoring.

The sensor is easily replaced from outside the meter, and is compatible with most of the Seametrics indicators and transmitters, as well as most controls and PLC's that accept DC inputs. The standard rotor is PVDF (Kynar) and the shaft is a special nickel-bonded tungsten carbide. The optional ceramic shaft increases resistance to some concentrated chemicals. The standard O-ring is Teflon-coated Viton, with EPDM and Kalrez optional for compatibility with a variety of chemicals.

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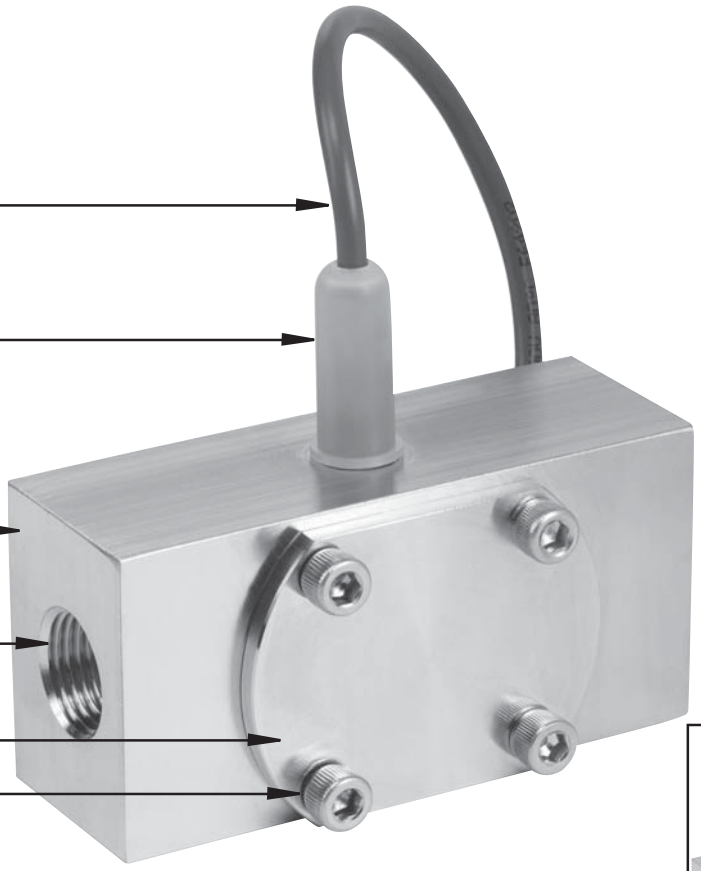
FEATURES



(Internal)
Jewel Bearings
Kynar/Carbide Rotor Assembly (Kynar/Ceramic optional)
Teflon-coated Viton O-Ring (EPDM or Kalrez optional)

FIELD REPLACEMENT OF SENSOR

SPECIFICATIONS*

Connection Ports		1/2”, 3/4”, and 1” female NPT thread (SAE optional)
Sensor Cable		18 feet standard (Maximum cable run 2000 ft.)
Materials	**Body**	316 stainless steel
	Rotor	PVDF (Kynar)
	Shaft	Nickel-bonded tungsten carbide (ceramic optional)
	Bearings	Ruby ring and ball
	O-Ring	Teflon-coated Viton (EPDM or Kalrez optional)
	Cover	316 stainless steel
Maximum Temperature		200˚ F (93˚ C)
Maximum Pressure		500 psi (35 bar)
Accuracy		+/- 1% of full scale
Power		5-24 Vdc, 2 mA min
Outputs		Current sinking pulse, 6 - 24 Vdc
Regulatory		CE Mark (Standard Power Only)

**Specifications subject to change • Please consult our website for current data (www.seametrics.com).*

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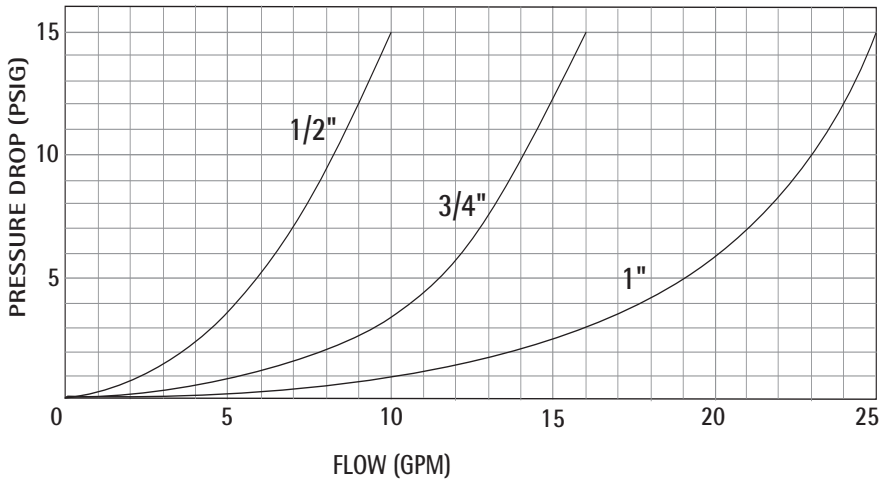
FLOW RANGE

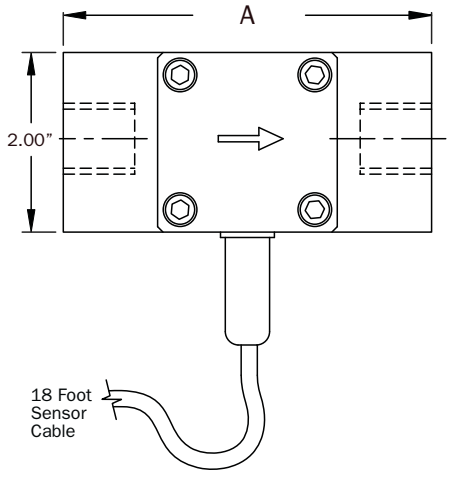
Model #	*K-Factor (pulses/Gal)	Gal/Min	Liter/Min
-050	535	0.1 - 10	0.38 - 38
-075	390	0.2 - 15	0.75 - 57
-100	220	0.5 - 25	1.9 - 95

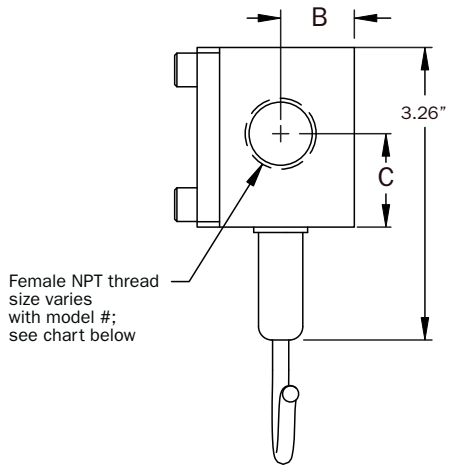
*Nominal K-factors (based on averages) for standard 2-magnet model.
High resolution (6-magnet) K-factors are approximately tripled.

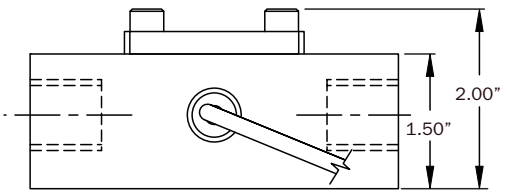
PRESSURE DROP CURVES



DIMENSIONS







Model #	NPT Thread Size	A	B	C
-050	1/2 inch	4.10	.82	1.04
-075	3/4 inch	4.10	.82	1.04
-100	1 inch	5.00	.75	1.00

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HOW TO ORDER

MODEL
SES

SIZE
1/2" (0.1-10 GPM) = **-050**
3/4" (0.2-15 GPM) = **-075**
1" (0.5-25 GPM) = **-100**

OPTIONS
Ceramic shaft = **-01**
Micropower pickup
(Use w/FT415 or DL75 only) = **-04**
High resolution rotor = **-13**
Kalrez O-ring = **-59**
Silicon carbide shaft = **-68**
EPDM O-ring = **-69**

SES

ACCESSORIES

Rate and Total Indicator, DC powered = **FT420**
Rate and Total Indicator, Battery powered = **FT415**
Blind Analog Transmitter (4 to 20 mA) = **AO55**
Batch Flow Processor = **FT520**
Data Logger = **DL75**
Plug-in Power Converter, 100-115 Vac, 24 Vdc = **PC3**
Panel Mount Plug-in Power Converter, 100-115 Vac, 24 Vdc = **PC2**

SUPPLIER CONTACT INFORMATION

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