

SALIENT FEATURES

- Simple and cost effective construction.
- Provides wide flow ranges.
- Outstanding accuracy for clean & low viscosity applications.
- Operates over wide ranges of Temperature & Pressure.
- Easy maintenance.
- WP / Flame-proof, IP-65, IIA, IIB, CMRI certified head.
- Options for various MOC's.

DESCRIPTION

The flowing media engages a vaned rotor causing it to rotate at an angular velocity proportional to flow rate. The pick-up coil senses the spinning motion of the rotor inserted in the pipe & converts it into a pulsating electrical signal. Summation of the pulsating electrical signal is directly related to the total flow. The frequency is linearly proportional to flow rate which is converted to mA signal by electronic circuitry.



TECHNICAL SPECIFICATIONS

Media	: Liquids (Clear)	Power On	: Through External Switch
Viscosity	: 50 cp max.	Auto Power Shut Off	: 1 Minute.
Line Size	: 2 inch to 6 inch	Power Consumption	: Less than 1 VA
Accuracy	: Better than $\pm 1\%$ F. S.	Turn down Range	: 10 : 1 to 100 : 1
Repeatability	: Better than $\pm 1\%$ F. S.	MOC	: Body - SS 316 / Teflon, Bearing - SS 316 / Teflon, Flange - SS 316 / Teflon Rotor - SS 410 (Optionally Teflon coated)
Display	: 8 x 1 Backlit LCD.	Process Connections	: 1" NPT (F) Hex Socket
Temperature Range	: 0 - 150 °C max.	Display Enclosure	: Flame-proof, IP-65, IIA, IIB, CMRI Certified
Pressure Range	: 0 - 30 Kg/cm ² max	Mounting	: Insertion
Pressure Drop	: Approx. 0.28 Kg/cm ² at max. Flow	Weight	: 3 Kg. (Approx.)
Temperature Drift	: Less than 0.01% of F. S. Per °C change		
Response Time	: Less than 100 mSec		
Power Supply	: Rechargeable Battery Operated - 9 V DC		
Battery Back up	: 3 to 4 months once charged.		

CODIFICATION FOR FL 104

CODE MOC
 01 : SS 316
 02 : TEFLON (PTFE)
 03 : POLYPROPELENE (PP)

CODE LINE SIZE
 01 : 2 INCH
 02 : 3 INCH
 03 : 4 INCH
 04 : 6 INCH

CODE PROCESS CONNECTION
 01 : 1" NPT/BSP - (F) HEX SOCKET
 02 : 2" NPT/BSP - (F) HEX SOCKET

FL- 104

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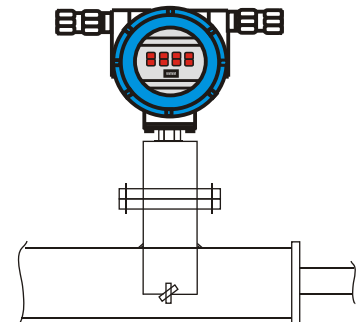
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SAMPLE MODEL NUMBER

LINE SIZE SELECTOR CHART WITH RESPECT TO FLOW RANGE

Line Size (Inch)	A (mm)	C (mm)	D (mm)	Liquid Flow Ranges	
				m ³ /hr	LPM
½	45	208	---	0.4 to 4.0	6.6 to 66.6
¾	60	210	---	0.8 to 8.0	13.3 to 133.3
1	75	213	75	1.6 to 16	26.6 to 266.6
1½	120	220	120	3.4 to 34	56.6 to 566.6
2	150	225	150	6.8 to 68	133 to 1133
3	225	238	225	13.5 to 135	225 to 2250
4	300	250	300	27.0 to 270	450 to 4500
6	450	275	450	55.0 to 550	916 to 9166

MOUNTING DETAILS



- NOTE :**
1. Ranges shown are standard ranges, other than these are also possible.
 2. The linear flow ranges on 1/4 inch & 3/6 inch may be derated depending on bearing section.
 3. All flanges rated for ASA RF.
 4. Consult applications group for additional information.

Due to our continuous product revisions, Design, Specifications and Model Numbers are subject to change without notice.

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