

VARIABLE AREA FLOW METER

Z-6000 SERIES

Flow Measurement

& Monitoring



DESCRIPTION

Z-6000 is featuring with unique spring loaded design which decreases viscosity sensitivity and allows the flow meters to be used in any position, including inverted. A precision molded, sharp-edged orifice located within the piston assembly, forms an annular opening with the body. Flow through the meter creates a pressure differential across the sharp-edged orifice, moving the piston against the spring. The piston moves precisely, in direct proportion to the rate of flow. The calibrated spring opposes flow in the forward direction. Alarm switch is optional for high and low limit of the flow.

FEATURES

- ✓ For oil, water and air
- ✓ Easy to read scale
- ✓ Accuracy $\pm 6\%$ of full scale
- ✓ Complete with piston assembly
- ✓ Rugged construction
- ✓ Built-in spring decreases viscosity sensitive and allow flow meter to be installed in any position
- ✓ Relatively insensitive to shock and vibration
- ✓ Alarm switch is optional

TECHNICAL FEATURES

Measuring Medium	Water / Air
Tube Material	Polysulfone (PSU)
Connection Material	SS304
Pressure Limit	Max 6 bar
Temperature Limit	Max 100°C
Accuracy	$\pm 6\%$ M.V
Connection	NPT Threaded
Alarm Contact (optional)	High limit / Low limit / High & Low limit

I-SYSTEM MEASUREMENT
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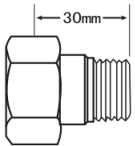
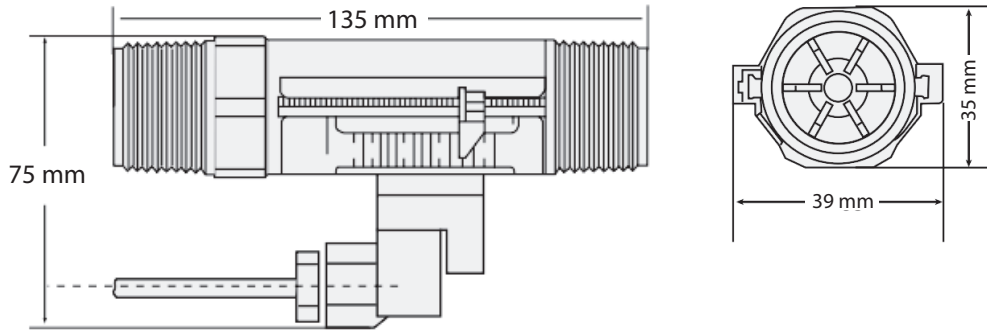
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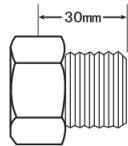
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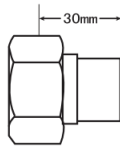
DIMENSION/DRAWING



3/4" MNPT



1" MNPT



1/2" FNPT

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MEASURING RANGE

Measuring Range without Alarm Switch

Model	Measuring Range				Thread
	Water		Air		
	GPM	LPM	GPM	LPM	
Z-6011	0.5 - 5	2 - 20	18 - 180	60 - 600	1/2" FNPT OR 3/4" MNPT
Z-6012	1 - 7	3 - 25	20 - 200	70 - 700	
Z-6013	1 - 10	4 - 35	25 - 250	100 - 1000	
Z-6014	1 - 16	5 - 60	35 - 350	150 - 1400	3/4 FNPT OR 1" MNPT
Z-6015	3 - 20	10 - 70	52 - 520	200 - 2000	
Z-6016	4 - 28	10 - 100	80 - 800	300 - 3000	

Measuring Range with Alarm Switch

Model	Measuring Range				Thread
	Water		Air		
	GPM	LPM	GPM	LPM	
Z-6011A	0.5 - 7	2 - 25	18 - 180	60 - 600	1/2" FNPT OR 3/4" MNPT
Z-6012A	0.5 - 9	2 - 35	20 - 200	70 - 700	
Z-6013A	1 - 13	3 - 50	25 - 250	100 - 1000	
Z-6014A	3 - 16	10 - 60	35 - 350	150 - 1400	3/4 FNPT OR 1" MNPT
Z-6015A	4 - 22	15 - 80	52 - 520	200 - 2000	
Z-6016A	5 - 28	20 - 100	80 - 800	300 - 3000	

