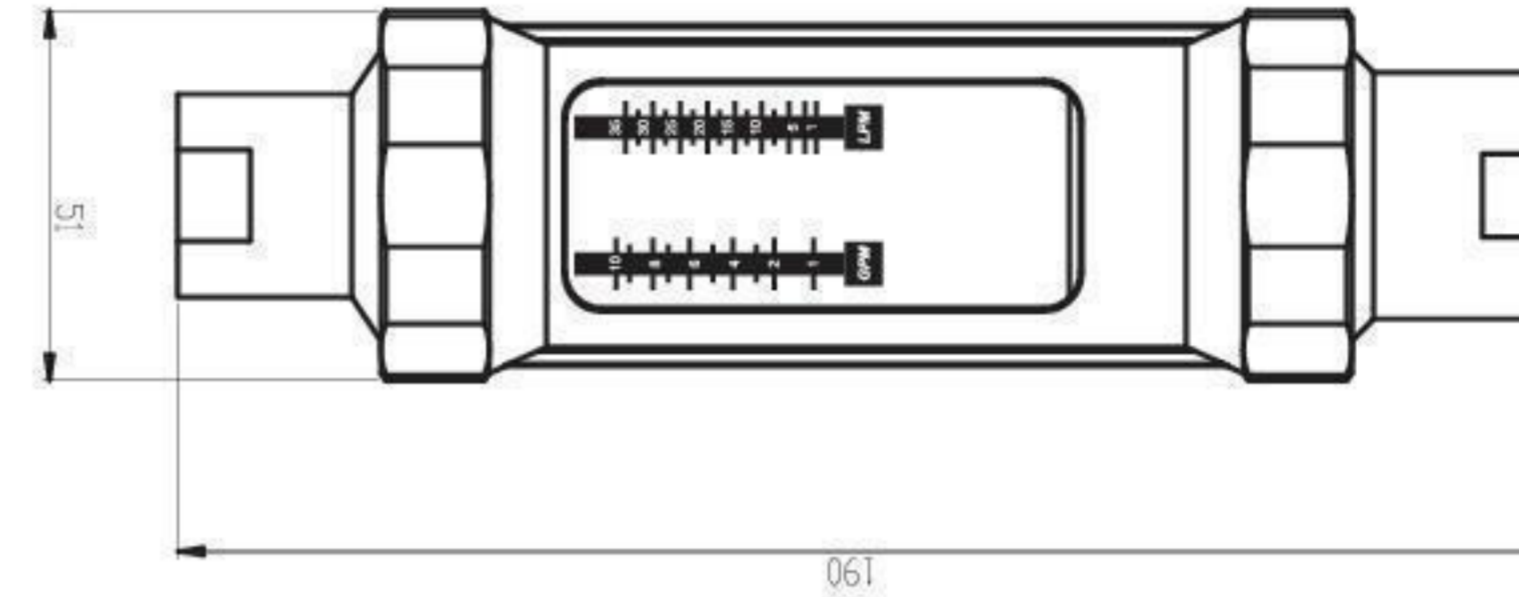


# The Series Z-6070

# In-line Flow Monitor

Unrestricted mounting, stress-resistant stainless steel housing, from 1/2" - 2" Pipe



The Series Z-6070 In-line Flow Monitor are spring-loaded variable-area flowmeter equipped with a stress-resistant stainless steel housing. They can be installed and used in any direction. These instruments measure flow rate by balancing the drag force of a spring with the force exerted on a float, which is propelled by fluid flow. When fluid passes through a tapered tube, the float experiences a thrust due to the fluid's kinetic energy, while the spring provides an opposing resistance. As the flow rate increases, the float moves further, expanding the annular passage area. Ultimately, the float stabilizes at a position where the spring force balances the hydrodynamic force, directly indicating the flow rate via its position.

## FEATURES

- Installable in any direction
- Equipped with a stress-resistant stainless steel housing
- Measurement unaffected by gravity
- Ideal for applications with vibration
- Low pressure loss, high reliability
- Wide fluid compatibility
- Installation requires no upstream or downstream straight pipeline
- Ready to use upon installation, convenient operation

## APPLICATIONS

- Petrochemical Industry
- Metallurgical Industry
- Textile Industry
- Pharmaceutical Industry
- Semiconductor Industry
- Food and Beverage Industry
- Paper and Pulp
- Power Plants
- Urban Water Supply and Drainage
- Environmental Protection
- New Energy Industry
- Shipbuilding Industry

## SPECIFICATIONS

<b>Service</b>	Liquid
<b>Wetted Material</b>	Body: PSU; Connection: 304 Stainless Steel
<b>Protection Housing</b>	Stainless Steel
<b>Accuracy</b>	±6%
<b>Temperature Rating</b>	0°C-100°C
<b>Operating Pressure</b>	Less than 2MPa
<b>Connection Method</b>	FNPT options available depending on model: 1/2", 3/4", 1"

## MODEL CHART

Example	Z-60	71	-F2	
<b>Series</b>	Z-6070			In-line Flow Monitor
<b>Scale Range</b>		71		Dual-scale: 0.5GPM - 5GPM & 2LPM - 20LPM, weight: 0.4Kg
		72		Dual-scale: 1GPM - 7GPM & 3LPM - 25LPM, weight: 0.4Kg
		73		Dual-scale: 1GPM - 10GPM & 4LPM - 35LPM, weight: 0.4Kg
		74		Dual-scale: 1GPM - 16GPM & 5LPM - 60LPM, weight: 0.4Kg
		75		Dual-scale: 3GPM - 20GPM & 10LPM - 70LPM, weight: 0.4Kg
		76		Dual-scale: 4GPM - 28GPM & 10LPM - 100LPM, weight: 0.4Kg
<b>Process Connection</b>			F1	1" FNPT (for scale ranges 75, 76 only)
			F2	1/2" FNPT (for Scale Range 71, 72, 73, 74 only)
			F3	3/4" FNPT (for Scale Range 75, 76 only)