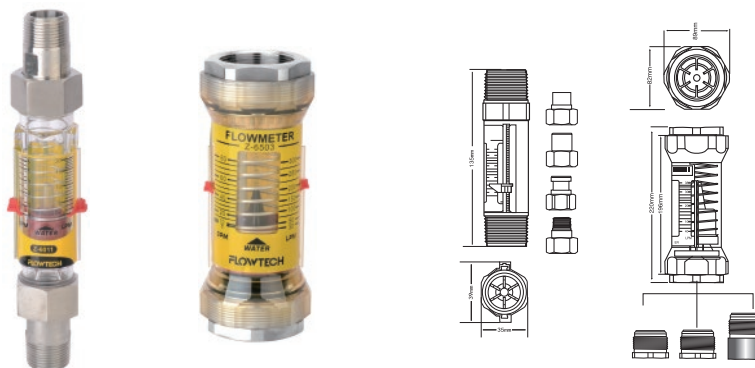


The Series Z-6000/Z-6500

In-line Flow Monitor

Unrestricted mounting, dual scales, optional switch output, from 1/2" - 2" Pipe



The Series Z-6000/Z-6500 In-line Flow Monitor are spring-loaded variable-area flowmeters. 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.

SPECIFICATIONS

Service	Liquid
Wetted Material	Body: PSU; Connection: 304 Stainless Steel
Accuracy	±6%
Temperature Rating	0°C to 100°C
Pressure Rating	Less than 1MPa
Connection Method	Selectable according to model

FEATURES

- Installable in any direction
- Optional with alarm switch output
- 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

MODEL CHART

Example	Z-60	11	-M3	-M
Series	Z-6000			
Scale Range		11		Dual-scale range: 0.5GPM - 5GPM / 2LPM - 20LPM; weight: 0.4Kg
		12		Dual-scale range: 1GPM - 7GPM / 3LPM - 25LPM; weight: 0.4Kg
		13		Dual-scale range: 1GPM - 10GPM / 4LPM - 35LPM; weight: 0.4Kg
		14		Dual-scale range: 1GPM - 16GPM / 5LPM - 60LPM; weight: 0.4Kg
		15		Dual-scale range: 3GPM - 20GPM / 10LPM - 70LPM; weight: 0.5Kg
		16		Dual-scale range: 4GPM - 28GPM / 10LPM - 100LPM; weight: 0.5Kg
Process Connection			F1	1"FNPT (for Scale Range 15, 16 only)
			F2	1/2"FNPT (for Scale Range 11, 12, 13, 14 only)
			F3	3/4"FNPT (for Scale Range 15, 16 only)
			M3	3/4"MNPT (for Scale Range 11, 12, 13, 14 only)
			M1	1"MNPT (for Scale Range 15, 16 only)
Alarm output			U	High alarm only
			D	Low alarm only
			M	Both high and low alarms
			N	No alarm output

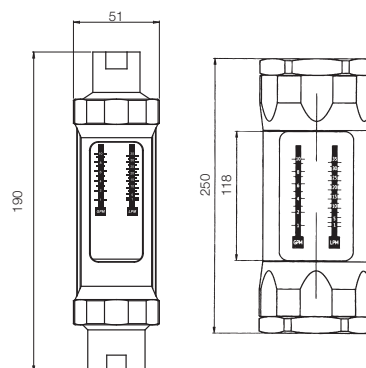
MODEL CHART

Example	Z-65	01	-1
Series	Z-6500		
Series		01	Dual-scale range: 3GPM - 25GPM / 12LPM - 90LPM
		02	Dual-scale range: 5GPM - 50GPM / 20LPM - 200LPM
		03	Dual-scale range: 8GPM - 80GPM / 30LPM - 300LPM
		04	Dual-scale range: 10GPM - 100GPM / 40LPM - 400LPM
Process Connection		1	NPT: 1-1/4"
		2	NPT: 1-1/2"
		3	NPT: 2"

The Series Z-6020/Z-6520

In-line Flow Monitor

Unrestricted mounting, stress-resistant aluminum alloy housing, from 1/2" - 2" Pipe



The Series Z-6020/Z-6520 In-line Flow Monitor are spring-loaded variable-area flowmeter equipped with a stress-resistant aluminum alloy 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 aluminum alloy 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

Service	Liquid
Wetted Material	Body: PSU; Connection: 304 Stainless Steel
Protection Housing	Aluminum Alloy
Accuracy	±6%
Temperature Rating	0°C to 100°C
Pressure Rating	Less than 1.6MPa
Connection Method	FNPT options available depending on model: 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"

MODEL CHART

Example	Z-60	21	-M3	
Series	Z-6020			In-line Flow Monitor
Scale Range		21		Dual scale range: 0.5-5 GPM/2-20 LPM; Weight 0.4 kg
		22		Dual scale range: 1-7 GPM/3-25 LPM; Weight 0.4 kg
		23		Dual scale range: 1-10 GPM/4-35 LPM; Weight 0.4 kg
		24		Dual scale range: 1-16 GPM/5-60 LPM; Weight 0.4 kg
		25		Dual scale range: 3-20 GPM/10-70 LPM; Weight 0.4 kg
		26		Dual scale range: 4-28 GPM/10-100 LPM; Weight 0.4 kg
Process Connection			F1	1" FNPT (for scale ranges 25, 26 only)
			F2	1/2" FNPT (for Scale Range 21, 22, 23, 24 only)
			F3	3/4" FNPT (for Scale Range 25, 26 only)
			M3	3/4" MNPT (for Scale Range 21, 22, 23, 24 only)
			M1	1" MNPT (for Scale Range 25, 26 only)

MODEL CHART

Example	Z-65	21	-1	
Series	Z-6520			In-line Flow Monitor
Scale Range		21		Dual scale range: 3 GPM - 25 GPM / 12 LPM - 90 LPM
		22		Dual scale range: 5 GPM - 50 GPM / 20 LPM - 200 LPM
		23		Dual scale range: 8 GPM - 80 GPM / 30LPM - 300 LPM
		24		Dual scale range: 10 GPM - 100 GPM / 40 LPM - 400 LPM
Process Connection			1	NPT: 1-1/4" Female thread
			2	NPT: 1-1/2" Female thread
			3	NPT: 2" Female thread

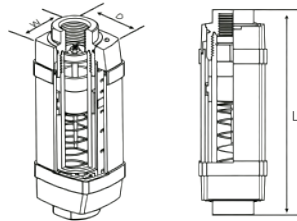
The Series Z-6030/Z-6040

In-line Flow Monitor

Unrestricted mounting, dual scales, flow range from 0.2GPM to 30GPM

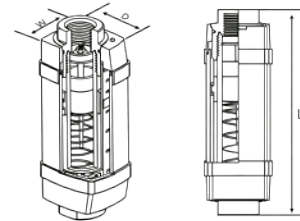


LxDxW= 168x58x50



Z-6030

LxDxW=183x72x64



Z-6040

The Series Z-6030/Z-6040 In-line Flowmeter are spring-loaded variable-area flowmeters. 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
- Low pressure loss, high reliability
- Measurement unaffected by gravity
- Wide fluid compatibility
- Ideal for applications with vibration
- 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

Service	Liquid
Wetted Material	Body & Connection: 304 Stainless Steel
Accuracy	±2%
Temperature Rating	0°C to 100°C
Pressure Rating	Less than 25MPa
Connection Method	1/2" FNPT, 3/4" FNPT, 1" FNPT thread connection

MODEL CHART

Example	Z-60	31
Series	Z-6030	In-line Flowmeter
Scale Range		31 Dual-scale: 0.2 GPM - 2GPM & 0.8 L/min - 8L/min, 1/2" FNPT
		32 Dual-scale: 0.5 GPM - 5GPM & 2 L/min - 20L/min, 1/2" FNPT
		33 Dual-scale: 1 GPM - 10GPM & 3 L/min - 36L/min, 1/2" FNPT
		34 Dual-scale: 1 GPM - 15GPM & 3 L/min - 55L/min, 1/2" FNPT

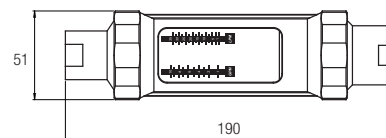
MODEL CHART

Example	Z-60	41
Series	Z-6040	In-line Flowmeter
Scale Range		41 Dual-scale: 0.2 GPM - 2GPM & 0.8 L/min - 8L/min, 3/4" FNPT
		42 Dual-scale: 0.5 GPM - 5GPM & 2 L/min - 20L/min, 3/4" FNPT
		43 Dual-scale: 1 GPM - 10GPM & 3 L/min - 36L/min, 1" FNPT
		44 Dual-scale: 2 GPM - 20GPM & 7 L/min - 70L/min, 1" FNPT
		45 Dual-scale: 3 GPM - 30GPM & 11 L/min - 110L/min, 1" FNPT

The Series Z-6070

In-line Flow Monitor

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

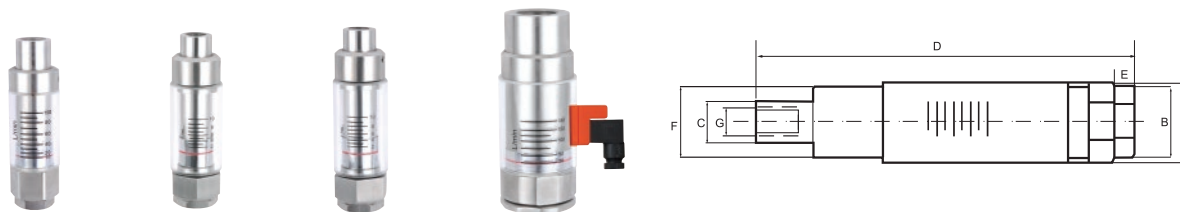
Service	Liquid
Wetted Material	Body: PSU; Connection: 304 Stainless Steel
Protection Housing	Stainless Steel
Accuracy	±6%
Temperature Rating	0°C-100°C
Operating Pressure	Less than 2MPa
Connection Method	FNPT options available depending on model: 1/2", 3/4", 1"

MODEL CHART

Example	Z-60	71	-F2
Series	Z-6070		In-line Flow Monitor
Scale Range		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	
Process Connection		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)

The Series Z-6300 High-pressure In-line Flow Monitor

Unrestricted mounting, dual scales, optional switch output, from 1/2" - 2" Pipe



The Series Z-6300 High-pressure In-line Flow Monitor are spring-loaded variable-area flowmeters. 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

- Withstands 35MPa high pressure
- The scale can rotate 360 degrees
- Installable in any direction
- Optional with alarm switch output
- 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

Service	Liquid
Wetted Material	304 Stainless Steel
Accuracy	±10%
Temperature Rating	0°C to 100°C
Pressure Rating	Less than 35MPa
Alarm Output	Optional high alarm, low alarm, or both H/L alarms

MODEL CHART

Example	Z-63	12	-M	-NPT	
Series	Z-6300				High-pressure In-line Flow Monitor
Scale Range		11			0.2L/min - 2L/min, BSP 1/4", AxBxCxDxE = 32x27x21x123x7x32
		12			0.5L/min - 4.5L/min, BSP 1/4", AxBxCxDxE = 32x27x21x123x7x32
		13			2L/min - 10L/min, BSP 1/4", AxBxCxDxE = 32x27x21x123x7x32
		14			2L/min - 20L/min, BSP 1/2", AxBxCxDxE = 40x32x31x165.5x12.5x44
		15			5L/min - 46L/min, BSP 1/2", AxBxCxDxE = 40x32x31x165.5x12.5x44
		16			5L/min - 55L/min, BSP 3/4", AxBxCxDxE = 48x44x36x190x15x50
		17			10L/min - 100L/min, BSP 3/4", AxBxCxDxE = 48x44x36x190x15x50
		18			20L/min - 180L/min, BSP 1-1/4"(1-1/2"), AxBxCxDxE = 84x79x66x210x18x79
Alarm Output			U		High alarm only
			D		Low alarm only
			M		Both high and low alarms
			N		No alarm output
Option				NPT	Change BSP connection to NPT connection

Specifications

Model	Thread Dimensions(G)	Measurement Range(L/min)	Working Pressure(Bar)	Size(mm)					
				A	B	C	D	E	F
Z-6312	1/4"	0.5-4.5	350	32	27	21	123	7	32
Z-6313	1/4"	2-10	350	32	27	21	123	7	32
Z-6314	1/2"	2-20	350	40	32	31	165.5	12.5	44
Z-6315	1/2"	5-46	350	40	32	31	165.5	12.5	44
Z-6316	3/4"	5-55	350	48	44	36	190	15	50
Z-6317	3/4"	10-100	350	48	44	36	190	15	50
Z-6318	1 1/4" (1 1/2")	20-180	350	84	79	66	210	18	79

*NPT Optional