



**WIRATAMA TURBINE FLOW METER  
CATALOG**

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Flowma WFT 67 turbine flow meters turbine flow sensor and receiving from the electrical pulse signal composed of intelligent display devices. Used to measure the low-viscosity liquids in closed conduits instantaneous volume flow and volume in petroleum, chemical industry, metallurgy, aviation and scientific research departments have been widely used.



## Application

- Water
- Vegetable oil
- Methyl Alcohol
- Fuel oil
- Beverages
- Milk
- Palm Oil
- Ethyl Alcohol
- Hydraulic Oil
- Gasoline
- Gas
- Air Compressed
- Natural Gas
- Nitrogen
- Oxygen

## Specification

Connection		Flange	Thread	Clamp
Size		DN10 to DN300	DN4 to DN65	DN15 to DN50
Fluida		Liquid & Gas		Liquid
Flow Rate		Liquid: 0.2 ~ 800 m <sup>3</sup> /h Gas: 2 ~ 6000 m <sup>3</sup> /h	0.04 ~ 70 m <sup>3</sup> /h	0.6 ~ 40 m <sup>3</sup> /h
Temperature Compensation		Optional		
Material		Stainless Steel SUS 316		
Accuracy		1% or 1,5%		
Power Supply		24 Vdc or 3,6 V battery Lithium or double power (24 Vdc & 3,6 V battery)		
Output		Pulse and Analog(4-20mA)		
Communiation		HART or RS 485		
Working Condition	Ambient Temperature	-20~+65°C		
	Fluida Temperature	≤120 °C		
	Humidity	5%~90%		



## Flow Range

### Liquid Turbine Flow Meter

Size mm	Flow Range (m3/h)	
	Normal	Expand
4	0.04~0.25 m3/h	0.04~0.4 m3/h
6	0.1~0.6 m3/h	0.06~0.6 m3/h
10	0.2~1.2 m3/h	0.15~1.5 m3/h
15	0.6~6 m3/h	0.4~8 m3/h
20	0.8~8 m3/h	0.4~9 m3/h
25	1~10 m3/h	0.5~10 m3/h
32	1.5~15 m3/h	0.8~15 m3/h
40	2~20 m3/h	1~20 m3/h
50	4~40 m3/h	2~40 m3/h
65	7~70 m3/h	4~70 m3/h
80	10~100 m3/h	5~100 m3/h
100	20~200 m3/h	10~200 m3/h
125	25~250 m3/h	13~250 m3/h
150	30~300 m3/h	15~300 m3/h
200	80~800 m3/h	40~800 m3/h

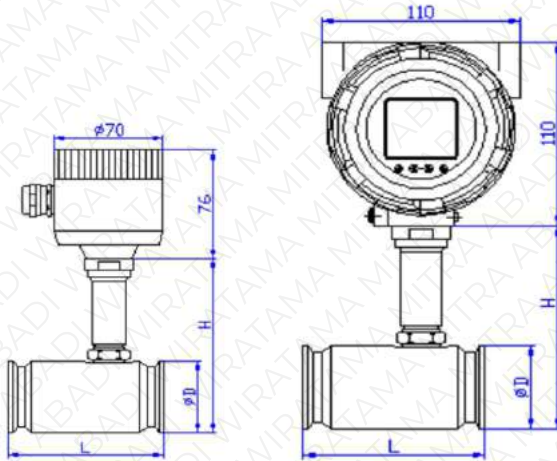
### Gas Turbine Flow Meter Flange Range

Size mm	Flow Range (m3/h)	
	Normal Flow Range	Starting flow
20	2~20 m3/h	1
25	3~30 m3/h	2
32	5~50 m3/h	3
40	7~80 m3/h	5
50	10~100 m3/h	7
65	15~200 m3/h	10
80	20~300 m3/h	15
100	30~400 m3/h	20
125	50~600 m3/h	30
150	50~1000 m3/h	40
200	100~2000 m3/h	60
250	200~4000 m3/h	100
300	300~6000 m3/h	200



## Dimension

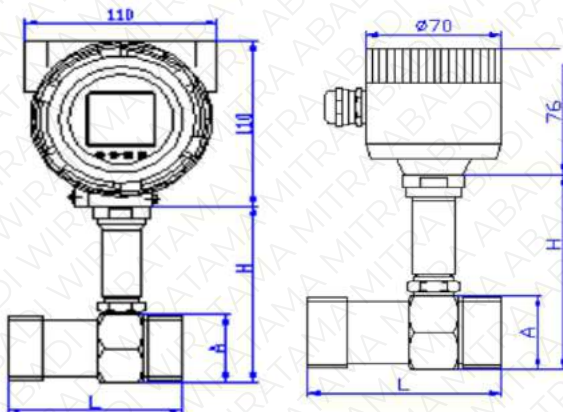
### Outline Dimension (Clamping Band Connection Type Turbine Flow Meter)



Size mm(inch)	L (mm)	D (mm)	H (mm)
15 (1/2)	75	51	124
20 (3/4)	80	51	124
25 (1)	100	51	124
32(1-1/4)	120	51	124
40(1-1/2)	140	64	137
50 (2)	150	77.5	151
65(2-1/2)	175	91	164

**Liquid Turbine Flow Meter**

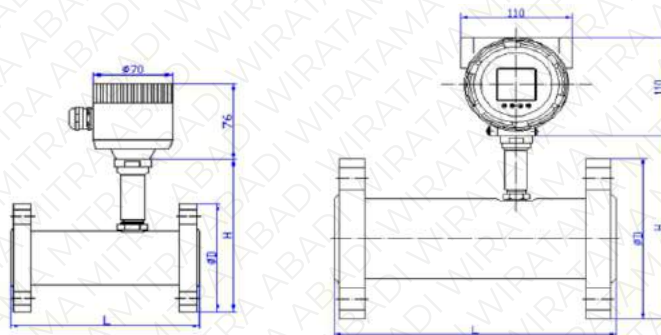
### Outline Dimension (Thread Connection Type Turbine Flow Meter)



**Liquid Turbine Flow Meter**

size mm(inch)	A (mm)	Screw
4 (1/8)	36	M30*1.5
6 (1/4)	36	M30*1.5
10 (3/8)	36	M30*1.5
15 (1/2)	40	G1
20 (3/4)	44	G1
25 (1)	52	G1-1/4
32(1-1/4)	58	G1-1/2
40(1-1/2)	69	G2
50 (2)	81	G2-1/2

### Outline Dimension (Flange Type Liquid Turbine Flow Meter)



### ANSI Class150 and ANIS Class300

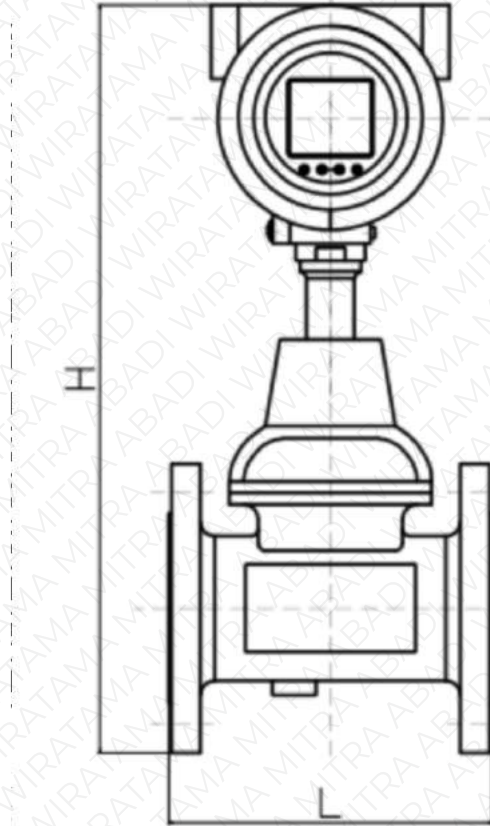
Size mm(inch)	L (mm)	D (mm)		H (mm)		Weight (kg)	
		Class150	Class300	Class150	Class300	Class150	Class300
15 (1/2)	75	88.9	95.2	118	121	2,8	3.0
20 (3/4)	85	98.6	117.3	123	132	4.4	4.4
25 (1)	100	108	123.9	127	135	5.0	5.9
32(1-1/4)	120	117.3	133.3	132	140	6.6	8
40(1-1/2)	140	127	155.4	168	183	8.4	11
50 (2)	150	152.4	165.1	186	193	10.8	14
65(2-1/2)	175	177.8	190.5	207	213	13	17
80 (3)	200	190.5	209.5	220	229	16	21
100 (4)	220	228.6	254	248	261	19	26
125 (5)	250	254	279.4	273	286	28	37
150 (6)	300	279.4	317.5	297	316	37	52
200 (8)	360	342.9	381	354	373	52	72
250 (10)	420	406.3	444.5	412	431	77	108

### DIN PN16 and DIN PN40

Size mm(inch)	L (mm)	D (mm)		H (mm)		Weight (kg)	
		PN16	PN40	PN16	PN40	PN16	PN40
10 (3/8)	80	90	90	144	144	3.0	3.0
15 (1/2)	75	95	95	146	146	3.0	3.0
20 (3/4)	85	105	105	151	151	4.0	4.0
25 (1)	100	115	115	156	156	4.5	4.5
32(1-1/4)	120	140	140	169	169	6.0	6.0
40(1-1/2)	140	150	150	180	180	7.0	7.0
50 (2)	150	165	165	192	192	9.0	9.0
65(2-1/2)	175	185	185	210	210	11	11
80 (3)	200	200	200	224	224	13	13
100 (4)	220	220	235	244	251	16	19
125 (5)	250	250	270	271	281	23	27
150 (6)	300	285	300	300	307	31	37
200 (8)	360	340	375	353	370	43	53
250 (10)	420	395	450	406	433	64	80



## Gas Turbine Flowmeter Outline Dimension and Mode and Flow Range



Gas Turbine Flow Meter

Size mm	L	H
20	180	280
25	180	280
32	180	300
40	200	300
50	200	300
65	220	320
80	220	340
100	220	340
125	298	390
150	220	435
200	298	470
250	398	540
300	498	600

## Ordering Code

WFT 67		Turbine Flow Meter	
G	L		Gas Medium
			Liquid Medium
F	T		Flange
			Thread
C			Clamp
		004	DN 4
		~	~
		300	DN 300
		PN 16	PN 16 Standard
		PN 40	PN 40 Standard
		ANSI 150	ANSI 150 Standard
		ANSI 300	ANSI 300 Standard
		*****	Additional ***
			1
			2
			3
			NN
			RS485
			HART
			0
			1

