

## GTF400

### PRODUCT DESCRIPTION

GTF400 series Sanitary type turbine flow meter is a flow meter that widely applied in industries of pharmaceutical, food, beverage for measurement, batching, control, filling, etc. Rotating part of the flow meter is made of special material that possesses good anti-corrosive and rust proof performance. Structure of the flow meter is special designed and greatly approved accuracy and repeatability of the flow meter. Product also with easy maintenance connection, which is suitable for pharmaceutical and beverage industries.



### FEATURES

- Accuracy: Default type:  $\pm 1.0\%R$  High accuracy type:  $\pm 0.5\%R$
- Manufactured by anti-corrosive and rust proof material, suitable for sanitary industries;
- Pulse frequency output, suitable for total flow measurement and connect to computer. No zero drift and with strong anti-interference performance;
- Product with easy maintenance connection, could be used for fast installation and maintenance;
- High accuracy and good repeatability.

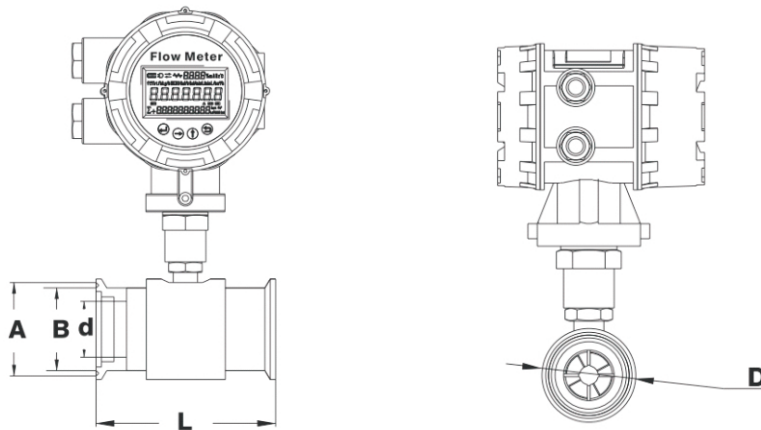
### SPECIFICATIONS

Medium	Food , liquid and other health liquid ,Not suitable for gas and steam
Accuracy	Class 1.0, class 0.5
Output	Pulse, 4-20mA analog output, RS485 (Modbus-RTU protocol), HART, etc.
Diameter and installation	Clamp connection: DN4-DN100
Medium temperature	Default type T1: $-20^{\circ}\text{C}\sim+80^{\circ}\text{C}$ (Standard) High temp. type T2: $-20^{\circ}\text{C}\sim+120^{\circ}\text{C}$ (OEM) High temp. type T3: $-20^{\circ}\text{C}\sim+150^{\circ}\text{C}$ (OEM)
Operation condition	Operating temperature: $-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$ Related humidity: 5%~90% Atmospheric pressure: 86kPa~106kPa
Ingress protection	IP65

**Flow range**

Diameter (mm)	Standard flow range (m <sup>3</sup> /h)	Extend flow range (m <sup>3</sup> /h)	Conventional resistance pressure(MPa)
DN4	0.04~0.25	0.04~0.4	1.6
DN6	0.1~0.6	0.06~0.6	1.6
DN10	0.2~1.2	0.15~1.5	1.6
DN15	0.6~6	0.4~8	1.6
DN20	0.8~8	0.45~9	1.6
DN25	1~10	0.5~10	1.6
DN32	1.5~15	0.8~15	1.6
DN40	2~20	1~20	1.6
DN50	4~40	2~40	1.6
DN65	7~70	5~70	1.6
DN80	10~100	5~100	1.6
DN100	20~200	10~200	1.6

**DIMENSIONS**



DN(mm)	L(mm)	A(mm)	B(mm)	d(mm)	D(mm)
DN4	50	φ46	φ40.5	4	φ50
DN 6	50	φ46	φ40.5	6	φ50
DN 10	50	φ46	φ40.5	10	φ50
DN 15	100	φ46	φ40.5	15	φ50
DN 20	100	φ46	φ40.5	20	φ50
DN 25	100	φ46	φ40.5	25	φ50
DN 32	120	φ46	φ40.5	32	φ50
DN 40	140	φ59	φ53.5	40	φ64
DN 50	150	φ73.5	φ68	50	φ78
DN 65	170	φ86	φ80.5	65	φ91
DN 80	200	φ100.5	φ94	80	φ106
DN 100	220	φ113	φ106	100	φ119

## TYPE SELECTION

GTF400-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Note
Diameter	DNXX								DN4~DN100 (mm)
Converter Type	N1								24VDC, Pulse output, No display
	N2								24VDC, Pulse output, No display, EX
	A								24VDC, 4-20mA output, No display, EX
	E1								Battery power supply, No output, Digital display, EX
	E2								24VDC, Pulse and 4-20mA output, RS485, Digital display, EX
	E2+B								24VDC+battery power supply, Pulse and 4-20mA output, RS485, Digital display, EX
	E3								24VDC, Pulse and 0-20mA output, RS485, Digital display, EX
	E3+B								24VDC+battery power supply, Pulse and 0-20mA output, RS485, Digital display, EX
	E+H								24VDC, 4-20mA output, HART, Digital display, EX
	G5								220VAC, Pulse and 4-20mA output, RS485, Digital display, EX
G6								220VAC, Pulse and 0-20mA output, RS485, Digital display, EX	
Accuracy	10								±1.0%R
	05								±0.5%R
Flow Range	S								Standard Range
	E								Extended Range
Body Material	S4								SS304
	S6								SS316
Explosion-Proof	BT								Exd II BT6
	NA								None
Connection							Trc		Tri-Clamp for sanitary connection
Temperature	T1								-20~+80 C
	T2								-20~+120 C
	T3								-20~+150 C

### Note for type selection

GTF400 series sanitary type turbine flow meter is mainly applicable for non-corrosive low velocity liquid without impurity, not for gas and steam.

### Type selection process

Select main model and structure first, then ensure other specifications according to requirement, i.e. main model + nominal diameter + accuracy + installation method + temperature and pressure compensation + power supply + output.