

Glass tube Rotameter Flowmeter---G/R/F series

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Our experienced consultants will assist you in choosing the proper flow meter for your application. And they will be pleased to offer installation guidance to assure that the flowmeter selected will perform as accurately as possible. Additionally, they will stand ready to support you with any after-sale assistance that you may require.

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Description

This series have both normal type (for general noncorrosive fluid) and anti-corrosion type (for corrosive fluid.). This series was designed with compactness, light structure, nice figure, convenient maintenance, safety and reliability, easy installation. The flange of F10, 20, 30 types can rotate to be aligned easily.

G/R/F10, 20, 30 glass tube Flowmeter has the following connections:

Screw threaded type (G10, 20, 30 types), hose type (R10, 20,30 types), flange type (F10,20,30 types)

G/R/F10, 20, 30 glass tube flowmeters can substitute the traditional glass tube flowmeters. It can be installed on the complete production lines imported. They are widely used in chemical industry, light

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industry, food industry, papermaking, Pharmaceuticals, to measure the flow rate of single phase non pulse fluid (liquid or gas).

Outline and Connection Spec:

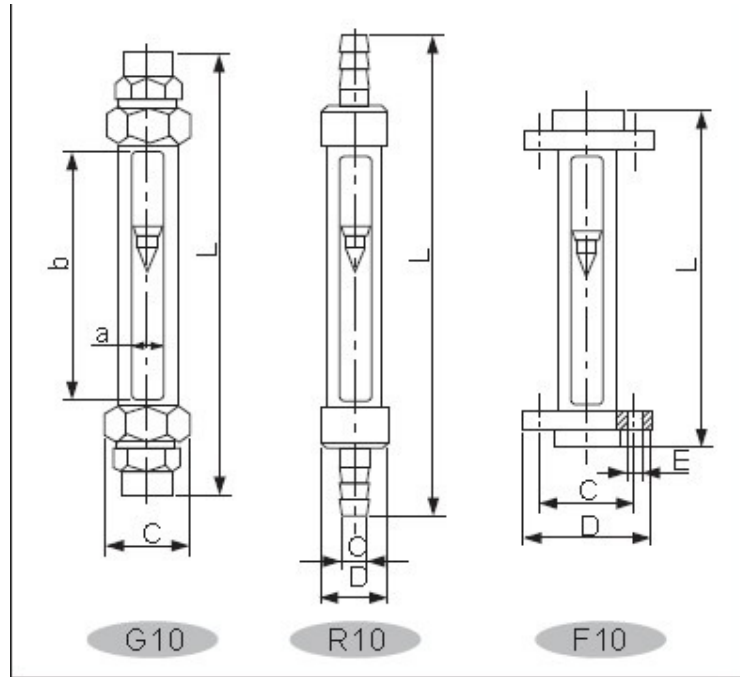


Fig.1

Table 1											
mm											
DN(m m)	a×b	G10			R10			F10			
		L	C	Screw	L	C	D	L	C	D	E
DN15	26×230	408	52	G1/2"	400	Φ17	Φ43	310	Φ65	Φ95	4-Φ14
				G3/8"							
				NPT1/2							
DN25	32×230	414	75	G1"	450	Φ27	Φ60	310	Φ85	Φ115	4-Φ14
				G3/4"							
				NPT1							
DN40	40×230	424	92	G1 1/2"	450	Φ44	Φ78	310	Φ110	Φ145	4-Φ18
				NPT1 1/2							
DN50	50×230	426	116	G2"	450	Φ54	Φ98	310	Φ125	Φ160	4-Φ18
				NPT2							

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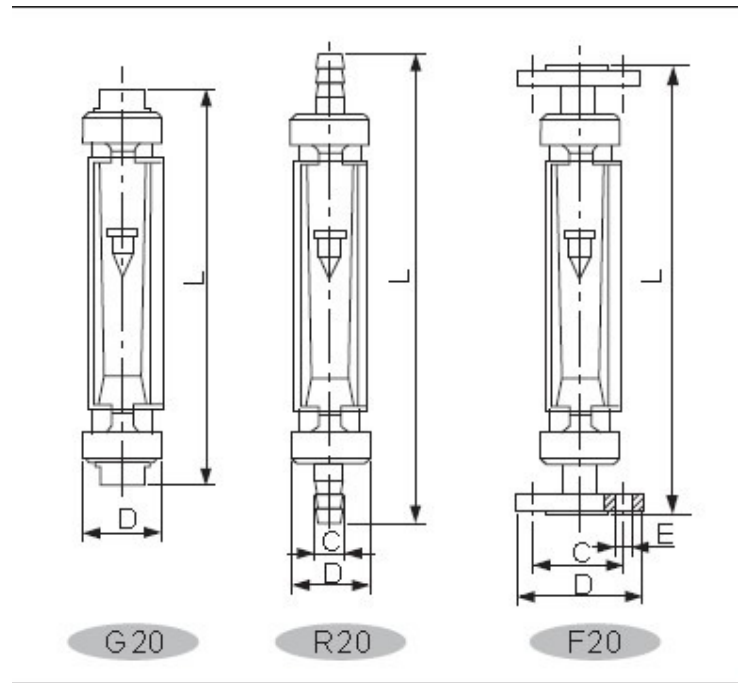


Fig.2

Table 2										
mm										
DN(mm)	G20			R20			F20			
	L	D	Screw	L	C	D	L	C	D	E
DN15	375	Φ58	G1/2"	400	Φ17	Φ58	425	Φ65	Φ95	4-Φ14
			G3/8"							
			NPT1/2							
DN25	375	Φ74	G1"	450	Φ27	Φ74	425	Φ85	Φ115	4-Φ14
			G3/4"							
			NPT1							
DN40	375	Φ92	G1 1/2"	450	Φ44	Φ92	425	Φ110	Φ145	4-Φ18
			NPT1 1/2							
DN50	375	Φ112	G2"	450	Φ54	Φ112	425	Φ125	Φ160	4-Φ18
			NPT2							

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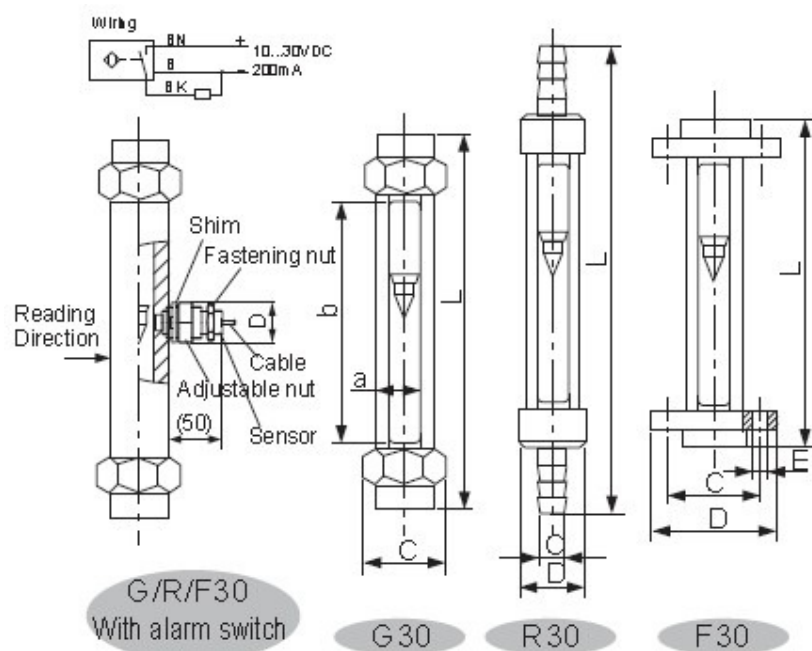


Fig.3

Table 3											
Unit: mm											
DN (mm)	a×b	G30			R30			F30			
		L	C	Screw	L	C	D	L	C	D	E
DN15	28×230	375	52	G1/2"	400	Φ17	Φ43	310	Φ65	Φ95	4-Φ14
				G3/8"							
				NPT1/2							
DN25	32×230	375	75	G1"	450	Φ27	Φ60	310	Φ85	Φ115	4-Φ14
				G3/4"							
				NPT1							
DN40	45×230	375	92	G1 1/2"	450	Φ44	Φ78	310	Φ110	Φ145	4-Φ18
				NPT1 1/2							
DN50	55×230	375	116	G2"	450	Φ54	Φ98	310	Φ125	Φ160	4-Φ18
				NPT2							

Technical Parameter

DN (mm)	Normal type	Anti-corrosion type	Flow range		Pressure loss (Pa)	Allowed measuring fluid condition		Accuracy degree
			Water (20℃) L/h	Air (20℃/101325 Pa) m ³ /h		Pressure (MPa)	Temp. (℃)	
15	G10/20/30-1 5	G10/20/30-15 F	10~100	0.12~1.2	1000	≤1.0		
			16~160	0.2~2	1100			

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	R10/20/30-1 5 F10/20/30-1 5	R10/20/30-15 F F10/20/30-15F	25~250 40~400 63~630	0.3~3 0.5~5 0.8~8 1.2~12 2~20	1200 1700 2000 2500 3000			
25	G10/20/30-2 5 R10/20/30-2 5 F10/20/30-2 5	G10/20/30-25 F R10/20/30-25 F F10/20/30-25F	63~630 100~1000 160~1600 250~2500	2~20 3~30 5~50 6~60	2800 4000 5000 6000		-20~+12 0	2.5
40	G10/20/30-4 0 R10/20/30-4 0 F10/20/30-4 0	G10/20/30-40 F R10/20/30-40 F F10/20/30-40F	160~1600 250~2500 400~4000	5~50 8~80 12~120	3400 4000 5000	≤0.9		
50	G10/20/30-5 0 R10/20/30-5 0 F10/20/30-5 0	G10/20/30-50 F R10/20/30-50 F F10/20/30-50F	400~4000 630~6300 1000~1000 0	12~120 20~200 30~300	4800 6500 8500	≤0.7		

Notes:

1. The pressure of the medium in the flowmeter, the measured gas should exceed 5 times the pressure loss. the measured liquid should be at least two times the pressure loss;
2. The maximum flow of corrosion resistant PTFE float is one class lower than the conventional type.
3. The model of anti-corrosion type lining PTFE are for F10 and F30 series
4. Customized requirements are negotiable.

Materials of relative Parts:

Parts	G10-()	G10-()F	R10-()	R10-()F	F10-()	F10-()F
	G20-()	G20-()F	R20-()	R20-()F		F20-()F
		G30-()F		R30-()F		F30-()F
Material Model						
Float	Stainless steel 304					

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Upper & Lower stop	Nylon	Fluoroplastics	Nylon	Fluoroplastics	Nylon	Fluoroplastics
Seals	Nitrile rubber	Fluro-rubber	Nitrile rubber	Fluro-rubber	Nitrile rubber	Fluro-rubber
Screw connection	Carbon steel (Zinc plating)	SS304	-		-	
Connection	Aluminum (G20)	SS304	-		-	
Hose connection	-		Al	SS304	-	
Flange connection	-		-		Al	SS304

Customized requirements are negotiable.

To ensure precise measurement, and best flow instrument selection, please provide as much information as possible about your application.

It will be helpful to include the medium to be measured, the pipe diameter or schedule, the pressure, and the maximum flow rate.

Precise measurement, prestigious business.

We look forward to building a long-term business relationship with you.

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