

Tripple Option Trading 211 cc

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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.

Metal tube Rotameter Flowmeter (Variable area flowmeter)



The following flow range are just for your initial reference only.

You can get much more tailored and customized flow range here .

Anti corrosive Diameter	Normal Diameter	Measuring Range (Flow unit)		Maximum Pressure Loss (Kpa)	
		Air (20°C) m3/h	Water (20°C) (L/h)	Air (KPa)	Water KPa)
DN (mm)	DN (mm)				
15	15	0.05-0.5	1.6-16	7.0	6.4
		0.07-0.7	2.5-25	7.1	6.5
		0.11-1.1	4.0-40	7.2	6.5
		0.18-1.8	6.0-60	7.3	6.6
		0.28-2.8	10-100	7.5	6.6
		0.40-4.0	16-160	8.0	6.8
		0.70-7.0	25-250	10.8	7.2
		1.00-10	40-400	10	8.6

		1.60-16	63-630	14	11.0
25			80-800		
	25	3.00-30	100-1000	7.7	7.0
		4.5-45	160-1600	8.8	8.0
		7.00-70	250-2500	12	10.8
		11-110	400-4000	19	15.8
50			500-5000		16.2
			630-6300		
	50	18-180	600-6000	8.6	8.1
25-250		1000-10000	10.4	11	
80		40-400	1600-16000	12.6	17
			2000-20000		
			2500-25000		
	80	50-500	2000-20000	15.5	6.3
		75-750	2500-25000	17.2	8.1
			4000-40000		
		6300-63000			
100	100		4000-40000		
			6000-60000 8000-80000 10000-100000		
125	125		8000-80000		
			10000-100000		

Caliber/pressure DN/PN Mn/MPa	Size(mm) Φd	Φd3	Φk	Φd2	b	f	L	H
15/4.0	95	45	65	4xΦ14	16	2	250	85
25/4.0	115	68	85	4xΦ14	18	2	250	85
50/4.0	165	102	125	4xΦ18	20	3	250	85
80/1.6	200	138	160	8xΦ18	20	3	250	85
100/1.6	220	162	180	8xΦ18	20	3	250	85
125/1.6	250	188	210	8xΦ18	22	3	400	85
150/1.6	285	218	240	8xΦ22	22	3	400	85

Main Parameters:

Measure Medium	Liquid Gas
Range Ratio	10:1
Accurate Degree	1.5 % 2.5%
Fluid Working Pressure	DN15-DN50: 4.0Mpa; DN80- DN100: 1.6 Mpa
Coat Working Pressure	1.6 Mpa
Fluid Working temperature	-80℃~+200℃(For Model PTFE≤+85℃)
Connection Type	(Flange connection or screw thread connection, flange standard refer to GB/T9119;ANSI 150lbs.300lbs; HG20592-20635;Other standard flange can be made by the user's requirement.)
Environment Temperature	-25℃~+55℃
Medium Viscidity	Dn15≤5Mpa.s; DN25~ DN100≤250MPa
Electricity Signal Output	Output Signal: (4-20mA)
	Linear Accuracy:1%
	Temperature Influence: 0.5%/10℃
	Power Supply: (13~30) V DC
	Power Supply Consume: ≤250mW
Communication	HART, MODBUS, RS485, RS232 etc
Restrict Alarm	Power Supply: 220 (1±10%) V DC
	Power Loss: 3W
	Working temperature: -25℃~60℃
Explosion-proof Grade	Ib II CT5

Model Selection And Instruction

Tube diameter	Construction pattern		Material of contact medium		Additional construction	
A	B	The flow direction of medium	C		D	
DN15	Y10	Bottom in. top. out	RRO	0Cr18Ni12Mo2Ti	F	Corrosion resistant type
DN20	Y10	Bottom in. top. out	RRO	0Cr17Ni14Mo2	F	Corrosion resistant type
DN25	Y20	Level in and out	RR1	1Cr18Ni9Ti	T	Keeper type
DN50	Y30	in and out in the same side	RP	PTFE	Z	Damp type
DN80	Y40	in and out in the different direction	Ti	Titanium	G	High temperature type
DN100	Y50	Bottom in side out	RL	316L	Y	High pressure type
DN125	----	---	---	-----	B	Flame proof

						type
DN150	----	---	----	----	--	-----

Commutator function Combination

Commutator function Combination E	Function
Es1	Remote transmit 4-20mA standard electricity signal, Intrinsic safe, explosion-proof sign ibllCT5, safe equipment type is LB906
Es2	Remote transmit 4-20mA standard electricity signal
K1	Output with an upper limit alarm
K2	Output with an upper limit alarm
K12	Output with an upper limit alarm and a lower limit alarm
JsB	Locale battery suppl power, LCD indicate instantaneous flow and accumulative flow, Essence flow
JsC	suppl power, LCD indicate instantaneous flow and accumulative flow, Essence flow
JsD	24V AC suppl power, LCD indicate instantaneous flow and accumulative flow, Essence flow
JsE	suppl power, LCD indicate instantaneous flow and accumulative flow, output (4-20) Ma 24V AC supply power, LCD indicate instantaneous flow and accumulative flow to transmit instantaneous flow.
Communication	HART, MODBUS, RS485, RS232 etc

Model selection:

LZ means metallic rotameter flowmeter.

Z means vertical installation

D means LCD digital display.

H means horizontal installation and clamp installation.

C means customized product (every customized flowmeter has sole internal S/N in our company)

Number means normal diameter.

For example:

LZZ-15 means DN15 Metallic Rotameter Flowmeter normal type.

LZZ-C20 means DN20 Metallic Rotameter Flowmeter, customized type. As for customized parameters, we have already store in our CRM systems.

This model number is just initial number only. We have more detailed selection system for internal use.

We can make customized Metallic Rotameter Flowmeter according to users' special need.

Flange: ANSI 150# ANSI300#, DIN 2501, JIS standard, GB standard and so on are available

Screw: GB standard, BSP, NPT and so on are available

Remote:4--20mA and so on

Power supply: 24VDC, 220VAC, Battery power are available.

Communication: HART, RS485, RS232, MODBUS and so on

Other special needs are negotiable.

When you can't find enough info according to your conditions, you can get our case by case solution.

Magnetism Filter

If there are some ferromagnetism granules in the medium, a magnetism filter must be installed in the entrance of the flowmeter. There are some magnetism sticks which are ranked in helical in the magnetism filter, it can reduce pressure loss. Every magnetism stick is sealed with PTFE, prevent from corrosion by medium.

I type: Flange connection, height :100mm

I type: Compact installation, height:50mm

To ensure precise measurement, please provide us with as much information as possible about your application.

Please include the medium to be measured, the pipe diameter or schedule, the pressure, and the maximum flow rate and Temperature.

Please contact us with all your application requirements.

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