

With Analogue Indication & Transmitting Output

INTRODUCTION

FITZER metal tube rotameter with transmitter output are specially designed for process industries to measure the flow rate and total quantity of liquid or gases under critical condition. find application particularly for fluid with high temperature, pressure and can also be used for opaque liquid. whenever the visibility of float is observed.

OPERATING PRINCIPLE

It Is A volumetric measuring instrument, which essentially measures velocity of the passing fluids by employing bernoulli's principle that sum of pressure, velocity and drum head of the fluid is always constant at point.the travel of magnetic float is magnetically coupled with analogue local indication shaft and linear calibrated cam connected to other end of pointer shaft. when the flow start moving upward the potentiometric link moving through calibrated cam and give the change in resistance. the change in resistance is converted into linearly retransmission current output 4-20ma with local analogues indication as per calibrated flow rang scale.

FEATURES

- Compact & long terms reliability.
- Rugged & corrosive environmental construction.
- Custom built construction, ranges & process connection.
- Individual calibration for high accuracy.
- Application for high pressure, temperature & opaque liquid.
- Simple mechanism & thus maintenance free.
- Easy to clean-no calibration disturb.
- 2 wire linear transmitting output.
- Digital flow indicator totalizer unit with adjustable alarm set point.
- With weatherproof-flameproof enclosure.

APPLICATION

In process of chemicals, pharmaceuticals, diary, oil & food industry. petrochemicals, fertilizer, effluent water treatment plants & many application where accurate flow measurement required in process & engineering industries.



MODEL : FITZER / MTR / AFT
Enclosure : Wether Proof / Flame Proof
IIA,IIB, CMRI Certified



MODEL : FITZER / MTR / AFT
Enclosure : Flame Proof EX-d IIA,IIB,4 IIC
Zone IP-65 T6 PESO-CCOE Certifiend



MODEL : FIT-806
Micro Controller Based
Flow Indicator Totaliser Controller

FLOW RATE OF WATER & AIR WITH S.S. FLOAT

LINE SIZE	WATER AT AMB. TEMP. LPH	AIR AT AMB. TEMP. 760 ABS TOR M ³ /HR	PRESSURE DROP MM. WC.
15 NB OR 20 NB	20 - 200	0.6 - 6	1200 mm. wc.
	25 - 250	75 - 75	
	40 - 400	-	
	50 - 500	1.5 - 15	
	75 - 750	2.0 - 20	
25 NB	100 - 1000	3.0 - 30	1000 mm. wc
	150 - 1500	4.0 - 40	
	175 - 1750	5.0 - 50	
	200 - 2000	6.0 - 60	
	250 - 2500	7.5 - 75	
	300 - 3000	10 - 10	
40 NB	600 - 6000	20 - 200	1000 mm. wc
	1000 - 10000	30 - 300	
50 NB	1500 - 15000	45 - 450	1000 mm. wc
	2000 - 20000	60 - 600	
80 NB	2500 - 25000	75 - 750	1200 mm. wc.
	3000 - 30000	100 - 1000	
	5000 - 50000	150 - 1500	
100 NB	6000 - 60000	-	1200 mm. wc.

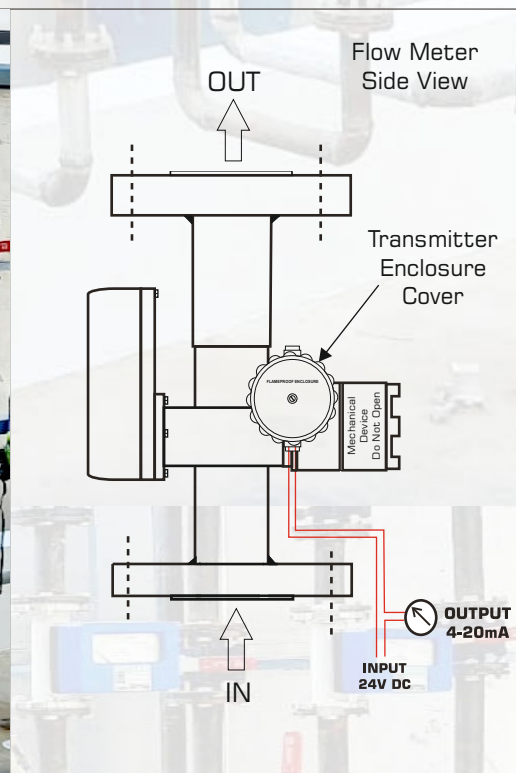
- We can provide process connection size as per customer requirement with required flow range.
- We will provide range in LPH, USGPM, SCFM, M³/Hr., Kg/Hr. or any engineering scale as per Customer's requirement .

GENERAL SPECIFICATION

Indication Box	Cast Aluminium Weather Proof
Wetted Parts	S.S. 304, 316, 316L, PP, PTFE LINED
Float	S.S. 304, 316, 316L, PP, PTFE COATED
Scale	PVC Printed
Pointer	Aluminium
Scale Length	125 mm. 90° .
Locate Display	Anologe
Magnet	High Power Permanent
Float Travel	50mm / 80mm Aproximatly
Rangeability	10 : 1
Accuracy	± 2% Of Full Flow, Extra on request
Max. Pressure	50kg/cm ² above on request
Max. Temp.	250° C
Calibration	5 Point Calibration
Connection	Flanged, Threaded, Or Triclover Type
F/F Distance	250 / 350 mm. Std., Extra on request
Inlet-outlet	Bottom - Top or Rear
Transmitting Output :	
Type	2 Wire system
Supply	24 V. Dc.
Out Put	4 - 20 mA./ HART
Max. Amb Temp.	70° C.
Setting	Factory Set for zero & span
Encloser	Cast Aluminium Weather / Flame Proof



Installed Rotameters In Plant



Test & Guarantee Certificate, Calibration Reports & Operating Manual provided with Instruments. Third Party Inspection available at our works (In your Scope)

FITZER
INSTRUMENTS
COMPANY [INDIA]

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