

AC-T series

All Teflon Flowmeter

OUTLINE

AC-T is a series of direct indication type variable area flowmeter with Teflon construction for liquid flow measurement. The flow rate is indicated by the float position. AC-T has pure mechanical and simple construction with easy handling and reliability.

In addition to local flow indication, an alarm contact is additionally available for flow alarm function.



FEATURES

- ❑ All liquid contact parts consist of Teflon.
The introduction of metallic ions is eliminated.
- ❑ The float is guided by Tube rib and float rod is not needed.
This reduces production of particles during operation.
- ❑ High anti corrosive capability covers different chemicals.
- ❑ Easy disassembling and reassembling with Union construction.
- ❑ Simple and compact design for easy installation onto various devices.
- ❑ Alarm contact additionally available.

STANDARD SPECIFICATION

- Available size : 15mm(1/2") and 20mm (3/4")
- Measuring object : Water (Density 1.0g/cm³, Viscosity 1.0mPa.s)
- Scale range
 - 1) 2 ~ 20L/min. [15mm(1/2") and 20mm (3/4")]
 - 2) 3 ~ 30L/min. [15mm(1/2") and 20mm (3/4")]
 - 3) 4 ~ 40L/min. [20mm (3/4")]
 - 4) 5 ~ 50L/min. [20mm (3/4")]
 Other ranges on request.
- Max.Op.Press. : 0.49MPa (At room temp.)
Acceptable pressure lowers for higher liquid temp. (ex. 0.2MPa at 80°C)
Consult factory for further details.
- Max.Temp. : 90°C
(Max.Op.Press.: 0.15MPa)
- Process connection
 - Standard : 15mm(1/2") or 20mm (3/4")
Welding mount or Rc thread
 - Option : Other connection fittings on request
- Flow direction : Bottom to Top
- Indication accuracy : ±3%F.S.
- Range ability : 10 : 1
- Material : Fluoric material construction
(Refer to [STANDARD MATERIAL CONSTRUCTION] for details.)
- Alarm point : 1 point high or low additionally available
Reed switch SPST

MODEL CODE

AC-T				-	Description
Connection size	15				15A (1/2B)
	20				20A (3/4B)
Scale range	1				2~20L/min
	2				3~30L/min
	3				4~40L/min
	4				5~50L/min
	9				Special
Connection rating	1				Welding (KGF type)
	2				Rc
	9				Others
Alarm contact	0				Not provided
	1				Provided

* : 15mm and 20mm connection acceptable for all ranges.
 20mm size is not acceptable for 20L/min. and 30L/min. range.

STANDARD MATERIAL CONSTRUCTION

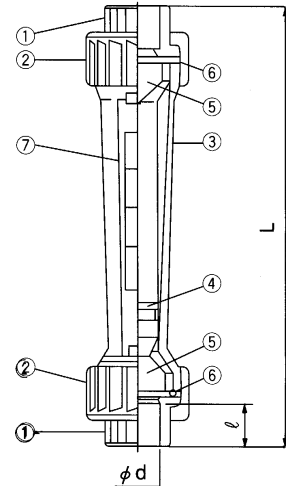
Parts	Name	Material
①	Socket	PVDF
②	Union nut	PVDF
③	Tapered tube (With Rib)	PFA
④	Float	PVDF *
⑤	Float stopper	PFA
⑥	O ring	FPM (Fluoric rubber)
⑦	Scale plate	Acryl

* : Weight made of 316SS inside

APPROX. WEIGHT

400g

EXTREMAL DIMENSION



	AC-T15□□□□□	AC-T20□□□□□
Nominal diameter	15	20
L	220	220
Thread	Rc1/2	Rc3/4
Welding	Pipe nominal (OD)	20 (25)
	d	24.2
	φ	18
		KGF type

ORDERING FORM

Specify the following for order or inquiry;

Model AC-T□□□□□□□

For Alarm version

Alarm setting point _____ L/min

Special requirement, if any. _____

* Specification is subject to change without notice

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