

NEW-FLOW

MANUFACTURE OF PADDLE FLOW SWITCH

FS25 Series

AND CONTROL INSTRUMENTS

流動開關操作說明書

Instruction Manual



Extension Arm Type

FS25R

FS25X

Approvals:



Switches with Intertek
Test Report, refer to
UL508 Standard.



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NEW-FLOW TECHNOLOGIES, INC.

No.9 Lane 133, Xing-Hua St., Chien Chen Dist., Kaohsiung 806, Taiwan

TEL: 886-7-8135500 FAX: 886-7-8225588 / 8159758

Email: info@new-flow.com www.new-flow.com

1.0 Characteristic

- Easy installation into existing pipe
- For a wide range of pipe size from diameter 25 to 200
- Reed switch provide a SPST or SPDT contact function
- Max. pressure rating 1500 psi (st. steel)

2.0 Description

Service: For “Non-Corrosive” liquid fluid available

Operation Temperature: -30~+120°C

Reed Switch: SPST: 250VAC, 100VDC, 10VA (max.) (Flow ON); SPDT: 150VAC/DC, 20VA (max.)

Carrying Current: 1A (max.)

Wire Conduit: ½" NPTF, ¾" NPTF, and option available

Protection Class: FS25R: Weather Proof type / FS25X: Explosion Proof type

Material: Housing– Aluminum alloy (SS316 available for FS25X);

Body– SS316+Teflon; Plate– Stainless Steel 301

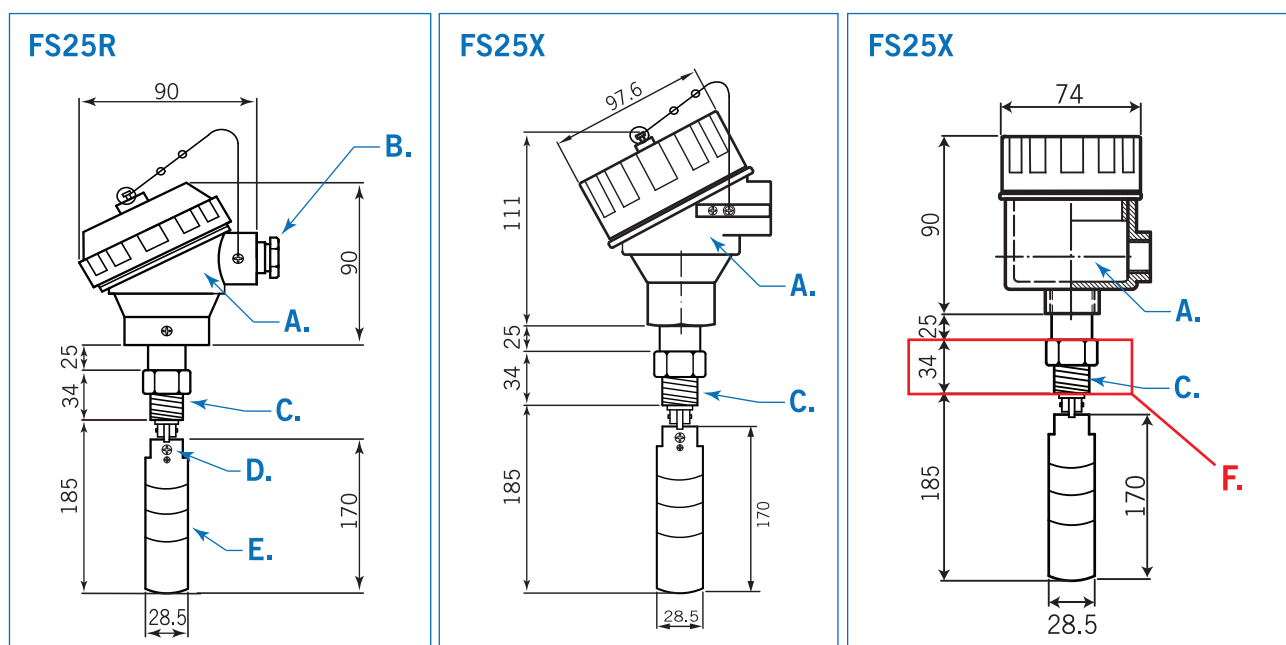
Optional: other materials available upon request

Reminder before ordering:

In general, We DON'T recommend using FS25 for the seawater application!

But, if it is necessary, please let us know before placing an order, we can customize the special magnet with lining to match up!

3.0 Dimensions & Parts List



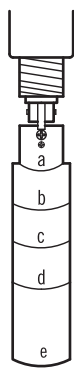
Parts List

No.	Part Name	Material
A.	Head Housing	Aluminum
B.	Conduit Connection, ½" or ¾"NPT(F)	---
C.	Process Connection, 1"NPT(M)	SS316
D.	Screw Bolt	SS304
E.	Paddles, 5pcs	SS301
F.	Option: Extension Aarm	SS316

4.0 5Pcs Paddle Numbers for Suitable Pipe Size

No.	Pipe Size
a	1"
b	1½"
c	2½"
d	4"
e	8" and upper

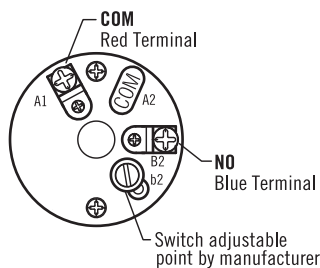
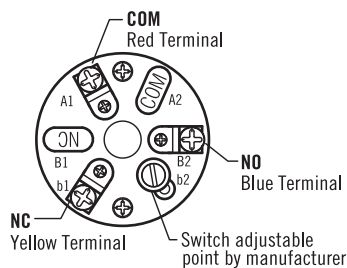
NOTE.
The paddles could be cut the length to matching the other pipe size is requested as 1¼", 3", 5", 6".



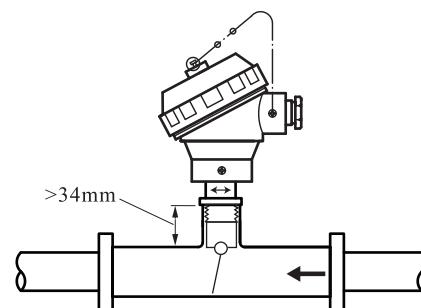
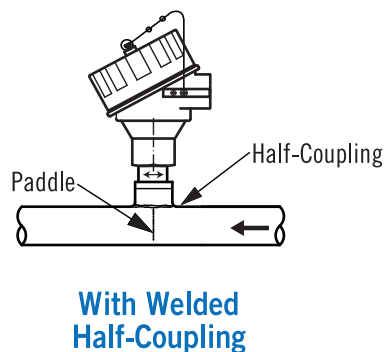
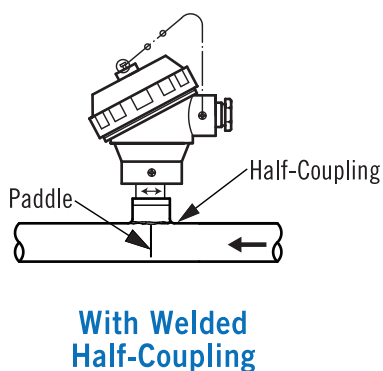
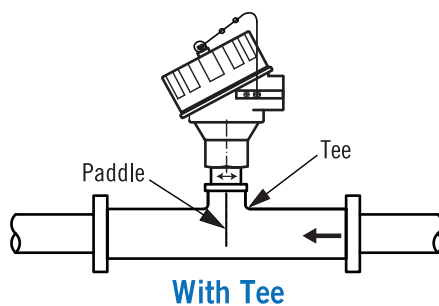
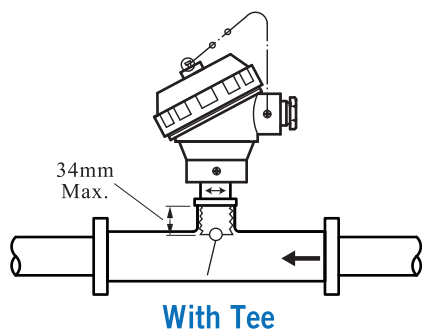
5.0 Wire Drawing

Reed Switch: SPDT: 150VAC/DC,
20VA (max.)
Carrying Current: 1A (max.)

Reed Switch: SPST, 250VAC, 100VDC,
10VA (max.) (Flow ON)
Carrying Current: 1A (max.)



6.0 Installation Instruction



*Extension arm type should be used
tee or half-coupling
length > 34mm *

Flow Direction: ↔

7.0 Installation

1. The paddle length is dependent on the lowest paddle point to actuate the switch.
Cut the paddle at appropriate pipe size mark or wherever desired.
The minimum is 1".

依動作點的位置決定擋片的長度，使用者可自行截斷使用。
最小為1"。

2. The paddle must be at a right angle to the direction of flow.
And, connected to 1"NPT thread.

擋片平面與管截面平行安裝，固定在1"NPT牙口上。

3. The FLOW mark on the screw must be parallel to the pipe.

安裝完成時請確定流動開關上的箭頭標記↔與導管平行。
(液體流通的管路必須是水平)

4. Before installing the unit to a tee pipe, apply thread seal tape to the screw and then tighten.

流動開關需固定在T型接頭時，請先用止洩帶繞好後再裝到牙口上鎖緊即可。