

# PADDLE FLOW SWITCH FOR LIQUIDS

FS25R – WEATHER PROOF FS25X – EXPLOSION PROOF

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

## Technical Data

### FS25R

**Operation temperature:** -30 ~ +120°C  
**Reed switch:** 250VAC/DC 60W/VA  
**Carrying current:** 1A  
**Wire conduit:** ½" NPTF  
**Protection class:** IP65  
**Material:** Body – SS316 + Teflon  
 Plate – stainless steel 301  
**Optional:** other materials available upon request

Pipe Size	Flow Rates Required to Actuate, Deactuate (m³/h) Water at 25°C		Process Connection NPT
	Actuate (ON)	Deactuate(OFF)	
1"	1.4	1.05	1"
1¼"	1.45	1.1	1"
1½"	1.5-2	0.9-1.5	1"
2"	3-4	2-4	1"
2½"	4-5	3-4	1"
3"	6-7	5-6	1"
4"	8-10	10-14	1"
6"	12-17	20-30	1"
8"	25-30	30-35	1"

### FS25X

**Operation temperature:** -30 ~ +120°C  
**Reed switch:** 250VAC/DC 60W/VA  
**Carrying current:** 1A  
**Wire conduit:** ¾" NPTF or ½" NPTF (¾"NPTFx½"NPTF adaptor)  
**Protection class:** Explosion proof; EExdIICT6  
**Material:** Body – SS316 + Teflon  
 Plate – stainless steel 301  
**Optional:** other materials available upon request

Pipe Size	Flow Rates Required to Actuate, Deactuate (m³/h) Water at 25°C		Process Connection NPT
	Actuate (ON)	Deactuate(OFF)	
1"	1.4	1.05	1"
1¼"	1.45	1.1	1"
1½"	1.5-2	0.9-1.5	1"
2"	3-4	2-4	1"
2½"	4-5	3-4	1"
3"	6-7	5-6	1"
4"	8-10	10-14	1"
6"	12-17	20-30	1"
8"	25-30	30-35	1"



## Dimensions

