

FLOW SWITCH FS20

FS20R & FS20 Din – Weather Proof FS20X – Explosion Proof



FS-20R



FS-20 DIN



FS-20X

Technical Data

Size: From 1/2" to 1"

Service: For liquid fluid

Material: Wetted parts 316 stainless steel

Temperature Limit: -20 to 150°C

Pressure Limit: 7.0 MPa (70 kg/cm²)

Enclosure housing: FS20R – Weather Proof
FS20 Din – Weather Proof
FS20X – Explosion Proof, EExdIIC T6

Switch function: SPDT micro switch

Switch rating: 3A/250VAC, 3A/30VDC, 0.4A/125VDC

Conduit Connection: 1/2"NPT female, option available

PATENT NO.
M290238



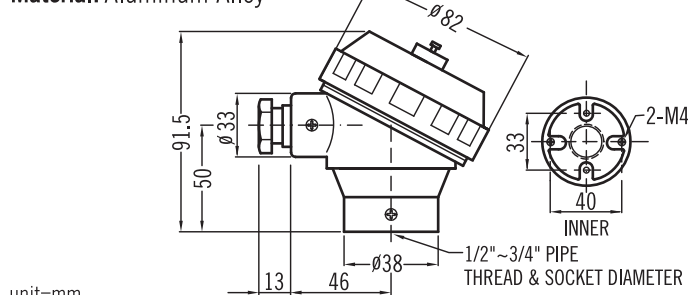
CAUTION.

If using the FS20 for the Emergency Shower, Please contact with the manufacturer at the first!!

Head Type

FS20R – Weather Proof IP68

Material: Aluminum Alloy



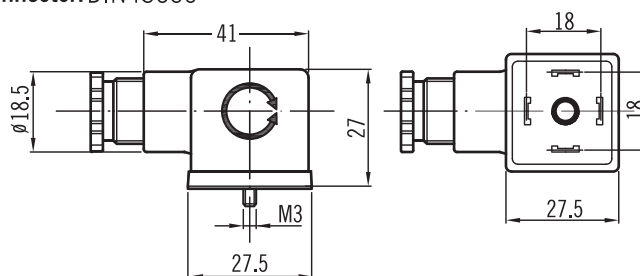
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FS20 Din – Weather Proof IP65

Material: Thermoplaastic Rubber

Cable Gland: PG9

Connector: DIN43650



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FS20X – Explosion Proof

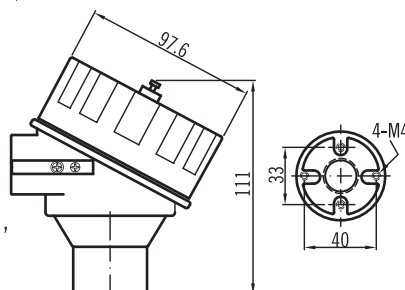
Material: Aluminum Alloy- standard;
SS316 available

ATEX directive code: II 2 G D

Standard code: Ex d IIC T6,

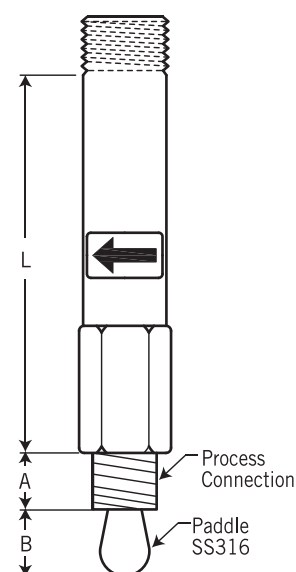
Ex tD A21 T100°C IP68

FM Approvals: XP/II/1/ABCD/T6;
DIP/II, III/1/EFG/T6; Type 4X,
Explosion proof for Class I,
Division 1, Groups A,B,C and D;
and dust-ignition proof for class II,
III, Division 1, Groups E,F and G,
hazardous (classified) locations;
indoor/outdoor (NEMA Type 4X).



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Dimensions

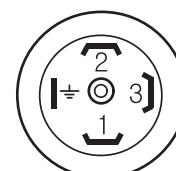
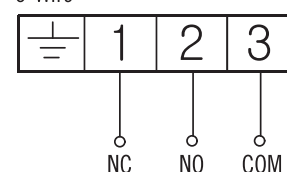


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Size	L	A	B
1/2"	90	19	27
3/4"	90	20	32
1"	90	21	42

Connection Diagram

3-Wire



DIN

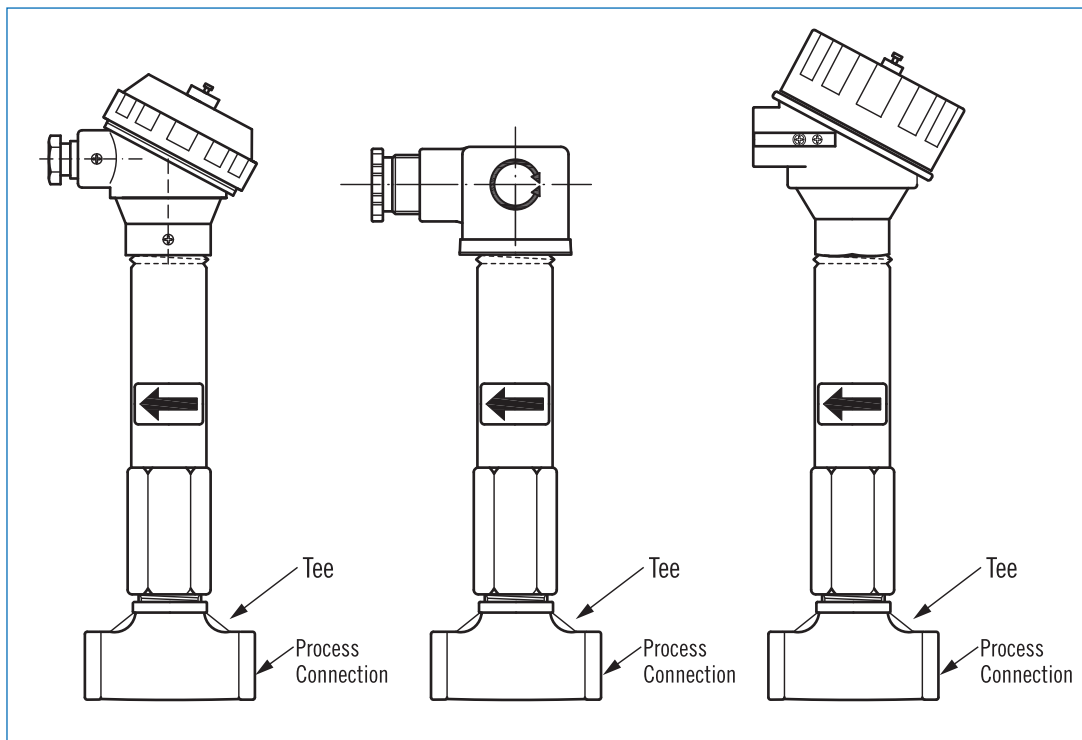
Flow Rate Table

Process Connection (Female with Tee Fitting)	Flow Rates Required Water at 25°C	
	Acuate (on) ℓ /hour	Deacuate (off) ℓ /hour
1/2"NPT	380,...460	150,...210
3/4"NPT	550,...610	140,...240
1"NPT	930,...1010	750,...780

NOTE.

The Flow Rate Table is only for reference.
Please consult with manufacturer for the accurate flow rate
if without tee fitting.

With Tee Drawings



Ordering Information

Model	FS-20R	FS-20 DIN	FS-20X	
↓	Code	Process Connection		
	A	With Tee (Material: SS316)		
		(1) 1/2"NPT (2) 3/4"NPT (3) 1"NPT		
	B	Without Tee		
		(4) 1/2"NPT (5) 3/4"NPT (6) 1"NPT		
		Complete ordering code		