

PISTON TYPE FLOW SWITCH

AI.FS35R



C EAC

DESCRIPTION

Good Repeatability, Dirt-Resistance, High Switch Capability

The AI.FS35R Flow Switch for liquids or gaseous media with spring supported piston and magnetic actuation of a micro switch. Robust design, produced in materials brass or stainless steel.

TECHNICAL DATA

Protection Class: IP65

Process Connection: 1/4" to 1" female; thread PF and NPT available

Wetted Parts Material: Brass or Stainless Steel

Micro Switch: Rating 3A/250VAC, 5A/125VAC

Conduit Connection: DIN43 650/ EN 175301-803

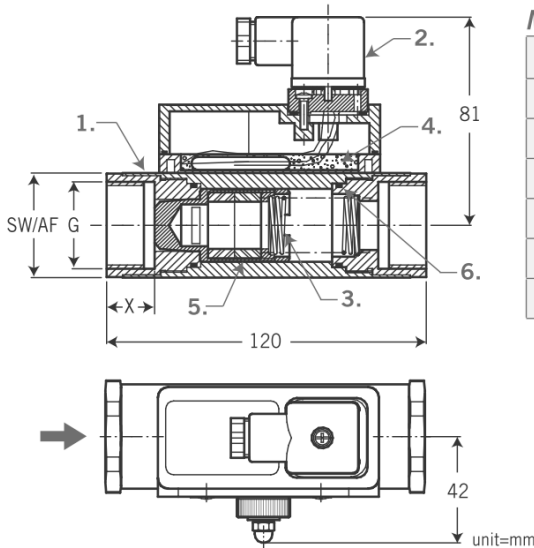
Accuracy: +/-5% of Full Scale

Temperature Limited: Max. 120°C

Pressure Limited: Average Pressure loss 0.5 Bar at Qmax

Hysteresis: Depending on switch value from 15-20% F.S.

DIMENSIONS



Material List

ITEM	Parts Name	FS35RB	FS35RS
1.	Body	Stainless Steel 316	Stainless Steel 316
2.	Switch Head	Polycarbonate	Polycarbonate
3.	Spring	Stainless Steel 316	Stainless Steel 316
4.	Magnet	Bariumferrite	Bariumferrite
5.	Piston	Brass	Stainless Steel 316L
6.	Seal	Viton	Viton

Flow Rate Table

(W) Water:

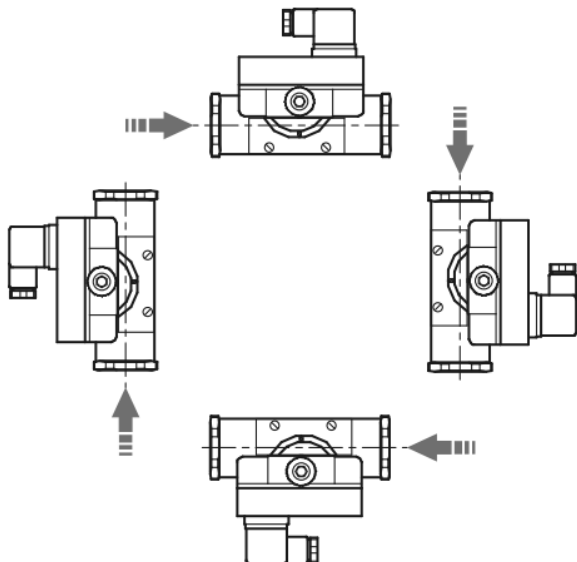
Model	Size	PN	Qmax. Recom. (L/Min H ₂ O)	Adjustable Range (L/Min H ₂ O)			AF (mm)	X (mm)	Weight (KG)
FS35RB & FS35RS	1/4"	200 bar	10	0.5~5	1~10		40	15	1.3
	3/8"	200 bar	20	0.5~5	1~10	1.8~18	40	15	1.3
	1/2"	200 bar	40	1.6~16	2~20	3.5~35	40	15	1.2
	3/4"	200 bar	60	2~20	4~40	6~60	40	18	1.2
	1"	200 bar	80	2~20	4~40	6~60	40	18	1.1

(O) Oil:

Model	Size	PN	Qmax. Recom. (L/Min H ₂ O)	Adjustable Range (L/Min)			AF (mm)	X (mm)	Weight (KG)
FS35RB & FS35RS	1/4"	200 bar	10	0.5~5	0.8~8	1~10	40	15	1.3
	3/8"	200 bar	20	1~10	1.5~15	2~20	40	15	1.3
	1/2"	200 bar	40	2~20	2.5~25	4~40	40	15	1.2
	3/4"	200 bar	60	2.5~25	5~50	6~60	40	18	1.2
	1"	200 bar	80	2.5~25	5~50	6~60	40	18	1.1

NOTE.
Adjustable range is indicated for
horizontally decreasing flow.

FLOW DIRECTION



Installation position may influence switch value.

ORDERING INFORMATION

FS35R	Code	Body Material				
	B	Stainless Steel + Brass inner parts				
	S	Stainless Steel				
	Code	Process Connection Size				
		(1) 1/4"	(2) 3/8"	(3) 1/2"	(4) 3/4"	(5) 1"
	Code	Thread (Female)				
		(G) PF	(N) NPT			
	Code	Adjustable Range (Horizontal)				
	W	Water (L/Min H2O) (1) 0.5~5 (2) 1~10 (3) 1.6~16 (4) 1.8~18 (5) 2~20 (6) 3.5~35 (8) 4~40 (9) 6~60				
	O	Oil (L/Min) (10) 0.5~5 (11) 0.8~8 (12) 1~10 (13) 1.5~15 (14) 2~20 (15) 2.5~25 (16) 4~40 (17) 5~50 (18) 6~60				
FS35R					Complete Ordering Code	

Ordering code example:

FS35R-B-3-G-014

→ FS35R = Model

→ B = Body: Stainless Steel + Brass inner parts

→ 3 = 1/2"

$$\rightarrow G = PF$$

→ 014 = Oil, 2~20 L/Min

NOTE.

Please check the Flow Rate Table of the adjustable range against the connection size.



ASIT ITALIA S.R.L.

Sede operativa e Uffici

Via Quintino Sella, 6

10020 Riva presso Chieri (TO)

T (+39) 011 198 218 39 - F (+39) 011 198 371 06

INFO@ASIT-GE.COM

WWW.ASIT-GE.COM