

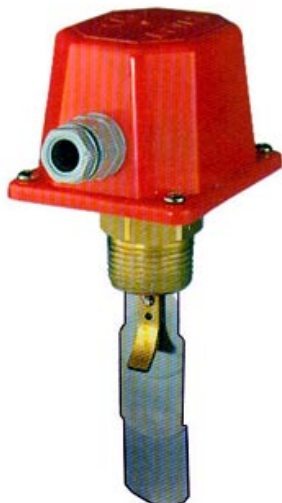


AYVAZ

Flow Switch

(AK 100)

AK 100



Installation :

The flow direction should be the same as the arrows direction real showing element consist 3 palettes.

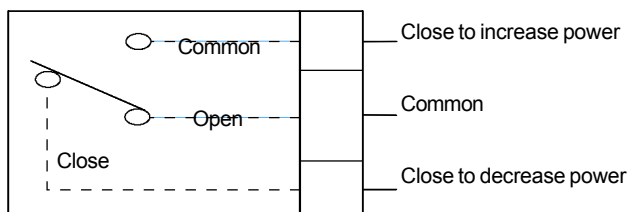
These 3 palettes lengths are different and connected to each other. They should be installed in order to the diameters of the pipes as follows :

- for 1" pipes, take out the biggest 2 palettes,
- for 2" pipes, take out the biggest palette,
- for 3" pipes, use all 3 palettes,
- for 4", 5" and 6" pipes use the extra palette and shorten this 92, 117 and 143 mm.
- for 8" pipes, all the extra palettes should be used.

Electricity connection

The connection should be done in the current norms and required uses.

The gasket should be removed for the electric connections.



Use

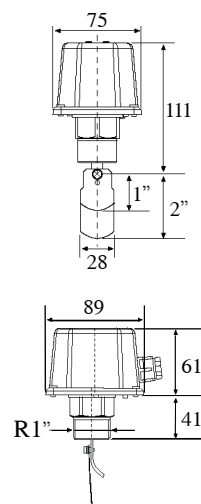
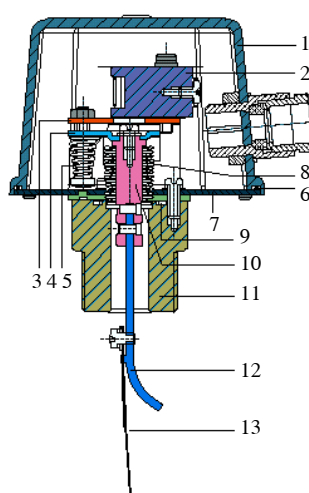
AK 100 Flow Switches are used in heating, air conditioning, cooling and other installations as security product or in order to inform the existancy of the flow.

Structural characteristics

2 placed electromechanical regulators are produced from sensitive elements and are electrically commanded by sinematizm group.

Start - up

Control the installation and electric connections. The product is set to minimum differential as default. If the values are needed to be changed, turn the screw next to the micro - switch.



Spare Parts

Part name	Material
1. Cover	ABS - LEXAN
2. Switch	
3. Switch connection part	ST 37 chrome cover
4. Switch pressing part	ST 37 chrome cover
5. Switch spring	Spring steel
6. Cover tightness o - ring	NBR
7. Body	ST 37
8. Bellow	Cu Sn 8
9. Tightness o-ring	NBR
10. Bellows Spindle	Ms 56
11. Connection raccord	Ms 56
12. Plate holding lever	Ms 56
13. Pressure adjustment plate	AISI 304

Necessary Flow Rate Differences (m/h)

Size		1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"	8"
In differential minimum	Power increasing	1	1.3	1.7	3.1	4	6.2	8	12.9	16.8	46.5
	Power decreasing	0.6	0.8	1.1	2.2	2.7	4.3	6.1	9.3	12.3	38.6
In differential maximum	Power increasing	2.1	3	4	6.1	7	11.4	18.4	26.8	32.7	94.2
	Power decreasing	2	2.8	3.7	5.7	6.5	10.7	17.3	25.2	30.6	90.8