



FLOW SWITCH PLJ EN Series

DESCRIPTION

Device meant to control the flow of liquids inside piping units of industrial plants, conditioning and heating systems and firefighting systems in compliance with the **EN 12259-5:2003** Standard entitled «Fixed firefighting systems Part 5 - Water flow detectors»

The flow switches are available with 1" GAS-M connection

TECHNICAL SPECIFICATIONS

All metal parts are in stainless steel (material compliant to Standard EN-12259-5)

maximum working pressure: 25 bar

Room temperature limits: $-25^{\circ}\text{C} \div +80^{\circ}\text{C}$

Liquid temperature limits: $-30^{\circ}\text{C} \div +120^{\circ}\text{C}$

Protection rating: IP65

Set of stainless steel vanes (material compliant to Standard EN-12259-5)

Housing: In painted aluminium

Cable trays: M20

Contact: SPDT 15A 125/250 VAC - 5A 24 VDC

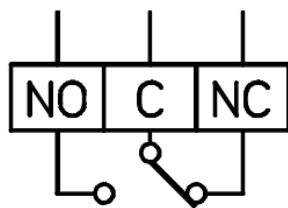


ELECTRICAL CONNECTIONS

The COM-NC contact closes, at the calibration value, when the flow increases.

The COM-NO contact opens, at the calibration value, when the flow decreases.

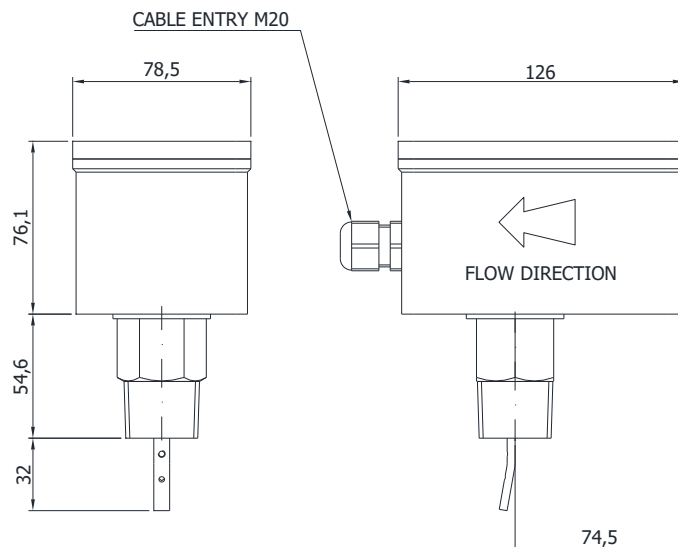
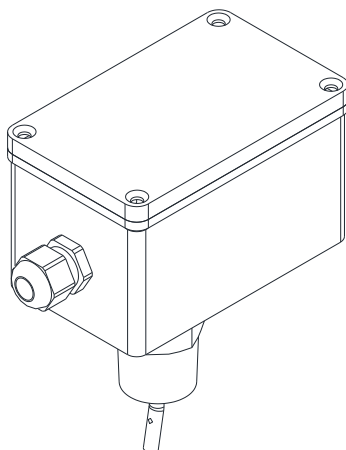
SPDT VERSION



No = Normally Open

C = Common

Nc = Normally Close



INSTALLATION

- The PLJ EN flow switch can be mounted in any position.
- The arrow must be oriented in the direction of the flow.
- In the event of installation with vertical pipes, the instrument needs recalibrating to compensate for the weight of the vanes.
- Fit the instrument along a straight run of the piping, in the absence of filters, valves, etc. and along at least five times its diameter, both upstream and downstream.
- The instrument is delivered equipped with 5 vanes. If necessary, the vanes can be cut by reference to the inner diameter of the piping.

Table of flows

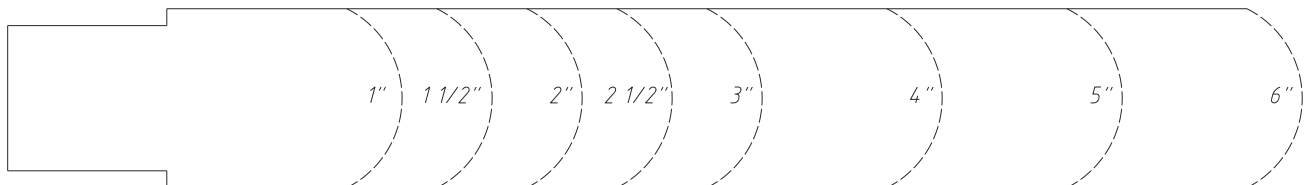
Piping Ø	Min setting m3/h	Max setting m3/h
1"	0.6 (1)	1.9 (2)
1 ¼"	0.8 (1.3)	2.8 (3)
1 ½"	1.1 (1.7)	4.1 (4.4)
2"	2.2 (3.1)	6.1 (6.6)
2 ½"	2.8 (4.1)	7.3 (7.8)
3"	4.3 (6.2)	11.4 (12)
4"	6.1 (8.4)	17.3 (18.4)
5"	9.3 (12.9)	25.2 (26.8)
6"	12.3 (16.8)	30.7 (32.7)
8"	38.6 (46.6)	90.8 (94.2)

Data inside brackets shown in the table refers to closing values, whereas data outside brackets refers to opening values.

The flow switches are factory-set to the minimum trip value.

By turning the adjusting screw that is inside the housing clockwise the opening value increases.

Dimension of the paddle





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