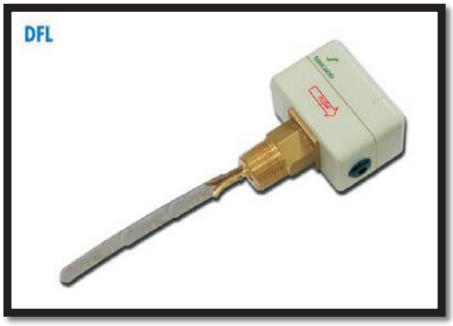
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# TEI-DFL

## Paddle Flow switch

### IMPORTANT REMARK

The proper functioning of this device can be guaranteed only if the installation is done properly: a free space measuring 10 times the diameter of the pipe must be kept in front of and behind the flow switch. The device must not be subjected to any kind of mechanical stress (vibrations, etc).

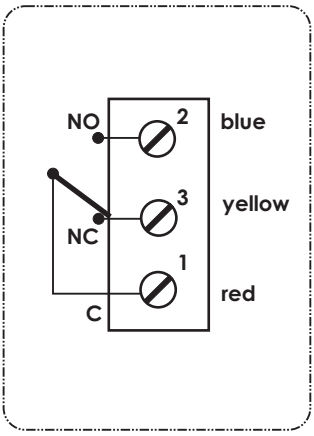



### Flow ranges

( ) INCREASING FLOW

| Pipe Diameter | Min. GPM adjustment (M3/h) | Max. GPM adjustment (M3/h) |
|---|---|---|
| 1" | 4,2 (1,0) | 8,8 (2,0) |
| 1 ¼" | 5,8 (1,3) | 13,3 (3,0) |
| 1 1/2 " | 7,5 (1,7) | 19,2 (4,4) |
| 2" | 13,7 (3,1) | 29,0 (6,6) |
| 2 ½" | 18,0 (4,1) | 34,5 (7,8) |
| 3" | 27,5 (6,2) | 53,0 (12,0) |
| 4" | 65,0 (14,8) | 128,0 (29,1) |
| 4" Z | 37,0 (8,4) | 81,4 (18,4) |
| 5" | 125,0 (28,4) | 245,0 (55,6) |
| 5" Z | 57,0 (12,9) | 118,0 (26,8) |
| 6" | 190,0(43,1) | 375,0 (85,2) |
| 6" Z | 74,0 (16,8) | 144,0 (32,7) |
| 8" | 375,0 (85,2) | 760,0 (172,6) |
| 8" Z | 205,0 (46,6) | 415,0 (94,2) |

Wiring




Working pressure: 10 bar
Resistance to pressure (max): 17.5 bar
Liquid temperature: 100ºC

**TOSCANO LINEA ELECTRONICA, S.L.**
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# Paddles selection table

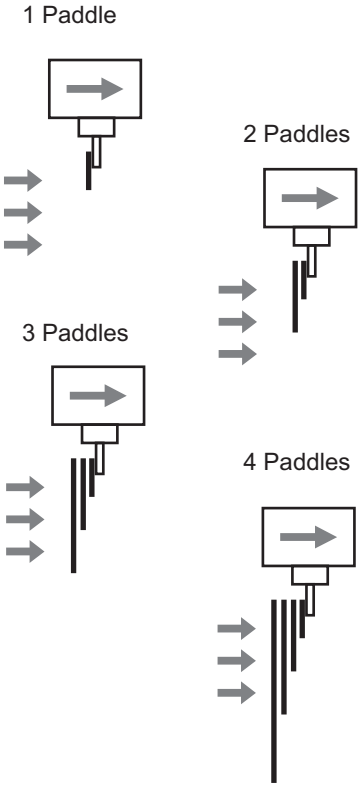
Avoid that the paddles touch the interior of the pipe and cut the rubbing piece if necessary.

For a proper functioning, check that the flow direction is the same as the one indicated by the arrow marked on the device side.

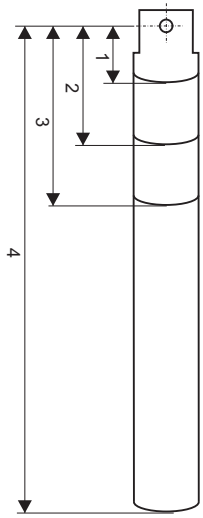
Avoid using this device in pipes with strong water hammers as they can provoke a breakdown. Avoid all possible vibrations and/or turbulence of the hydrant.

If you mount more than one paddle, you must include also the smaller size ones.

Choose the suitable paddle according to the pipe diameter and check that the flow to be detected is included in the range admitted by the chosen paddle.




## Paddles




| Pipe Diam. | DN | Paddle | Going up Flow $m^3/h$ | Going down Flow $m^3/h$ |
|---|---|---|---|---|
| 1 | 25 | 1 | 1.0 - 2.0 | 0.6 - 1.9 |
| 1-1/4 | 32 | 1 | 1.3 - 3.0 | 0.8 - 2.8 |
| 1-1/2 | 40 | 1 | 1.7 - 4.4 | 1.1 - 4.1 |
| 2 | 50 | 1.2 | 3.1 - 6.6 | 2.2 - 6.1 |
| 2-1/2 | 65 | 1.2 | 4.1 - 7.8 | 2.8 - 7.3 |
| 3 | 80 | 1.2.3 | 6.2 - 12.0 | 4.3 - 11.4 |
| 4 | 100 | 1.2.3 | 14.8 - 29.1 | 11.4 - 27.7 |
| 4 | 100 | 1.2.3.4 | 8.4 - 18.4 | 6.1 - 17.3 |
| 5 | 125 | 1.2.3 | 28.4 - 55.6 | 22.9 - 53.4 |
| 5 | 125 | 1.2.3.4 | 12.9 - 26.8 | 9.3 - 25.2 |
| 6 | 150 | 1.2.3 | 43.1 - 85.2 | 35.9 - 81.8 |
| 6 | 150 | 1.2.3.4 | 16.8 - 32.7 | 12.3 - 30.7 |
| 8 | 200 | 1.2.3 | 85.2 - 172.6 | 72.7 - 165.8 |
| 8 | 200 | 1.2.3.4 | 46.6 - 94.2 | 38.6 - 90.8 |

***Paddles selection table***