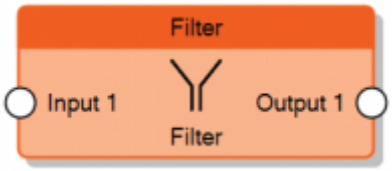
Filter



The Filter node forwards to the output the value coming from the input connector follwing some policies determined by the following properties:

- **Filter type**: It indicates the value assigned to the output depending on the input value.
  - *'1 → - / 0 → - (disabled)'* indicates that no values are assigned to the output.
  - *('*1 → - / 0 → 0') if input is equal to 1, no value assigned to the output. If input is equal to 0, 0 will be sent to the output.
  - *'1 → - / 0 → 1'* if input is equal to 1, no value sent to the output. If input is 0, 1 is sent to the output
  - *'1 → - / 0 → Toggle'* if input is equal to 1, no value will be sent to the output. If input is equal to 0, the output will toggle.
  - *'1 → 0 / 0 → -'* If input is 1, output will be set to 0. If input is 0, no value will be sent to the output.
  - *'1 → 0 / 0 → 1 (inversion)'* indicates that the input value is inverted and than sent to the output.
  - *'1 → 1 / 0 → -'* indicates that if the input is 1, 1 is assigned to the output, if the input is 0, no values are assigned to the output.
  - *'1 → 1 / 0 → 0 (pass all)'* indicates that both of the input values are sent to the output.
  - *'1 → Toggle / 0 → -'*: indicates that if the input is 1 the output value is inverted, if the input is 0 no values are assigned to the output.
  - *'1 → Toggle / 0 → Toggle'* for every input value (both 0 or 1), the output will toggle.
- **Delay**: It indicates if is necessary to wait for a time interval before sending the output value.
  - *'Do not use':* disables the property so no delays are applied .
  - *'Use if input is 1':* applies the delay only if the input is 1.
  - *'Use if input is 0':* applies the delay only if the input is 0.
  - *'Use always':* applies the delay for any input value.
- **Delay base time**: It indicates the measurement unit of the time interval of the delay.
- **Delay factor**: It indicates the value of the time interval of the delay.