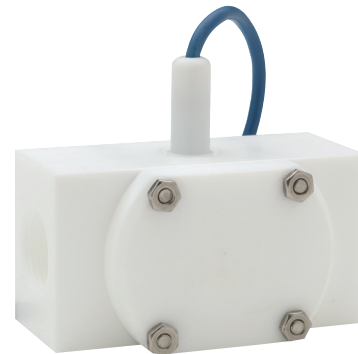


### Components



SPX



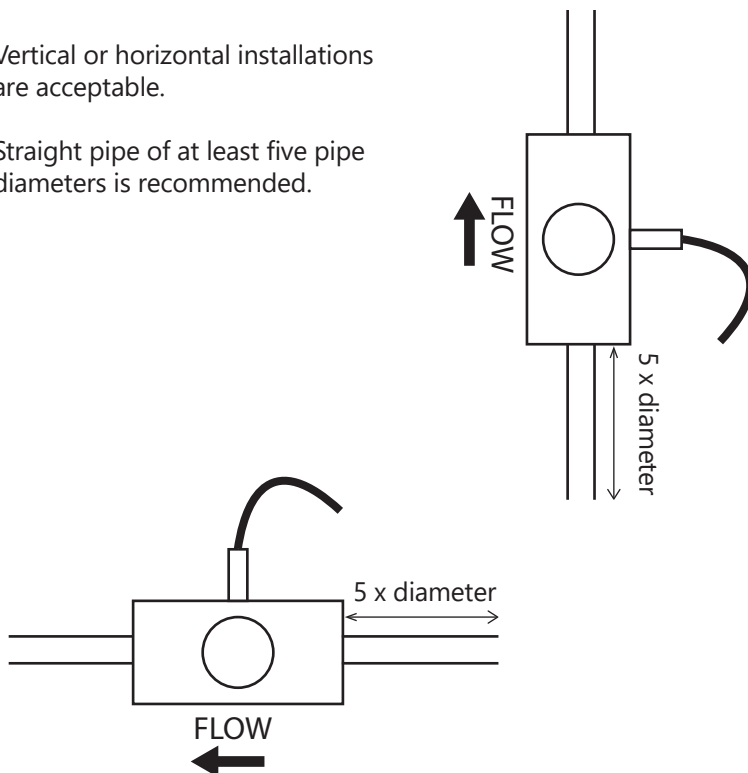
SPT

Note: Your meter may vary slightly from the pictures shown, depending on options selected.

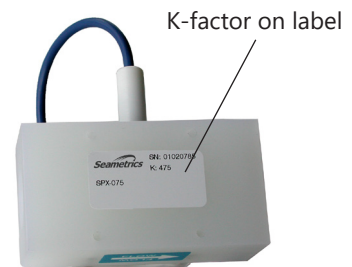
### Positioning

Vertical or horizontal installations are acceptable.

Straight pipe of at least five pipe diameters is recommended.



### K-Factor



The meter is factory calibrated. The K-factor is found on the label on the meter body and must be input into the control/display for accurate reading.

### Warnings

- Do not test with compressed air—doing so will subject meter to rotational speeds many times those for which it was designed and will certainly damage the rotor, shaft, and/or bearings.
- When connecting to pipe, do not over tighten, especially when connecting to metal pipe.
- At least five pipe diameters of straight pipe is recommended upstream from the meter.

## Connections

### Connecting to Seametrics Control Devices

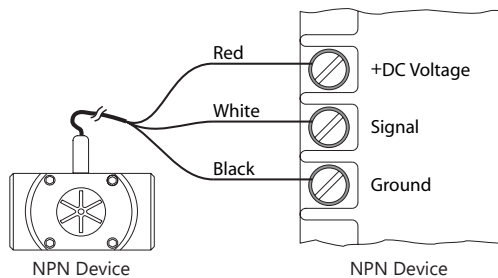
When connecting the SPX/SPT to a Seametrics control device, refer to instructions that come with that device.

### Connecting to Non-Seametrics Control Devices

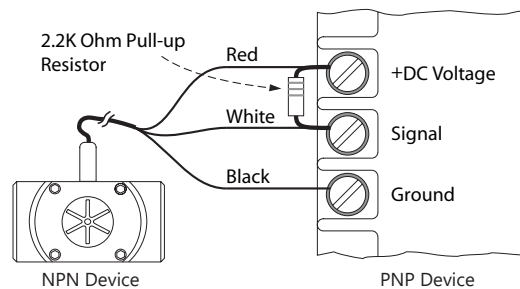
The SPX/SPT are well suited for connecting to PLCs or industrial computer boards. They can typically be connected directly or with a single resistor. Requirements are as follows:

- PLC sensor power supply must be 5–24 Vdc (24 Vdc is typical)
- PLC sensor power supply must be able to provide at least 2 mA (100 mA is typical)
- The PLC frequency response is greater than the flow meter output response.

#### *If PLC accepts input from current sinking devices (NPN)*



#### *If PLC accepts input from current sourcing devices (PNP)*



For the most recent S-Series instruction manual please visit: [seametrics.com/downloads](http://seametrics.com/downloads).