

# Δp-LEITUNGS-REINIGER Δp-PIPE-CLEANER PPC-12

Z 1703222\_002\_PPC12\_GB, valid as of S/N 63790, subject to change

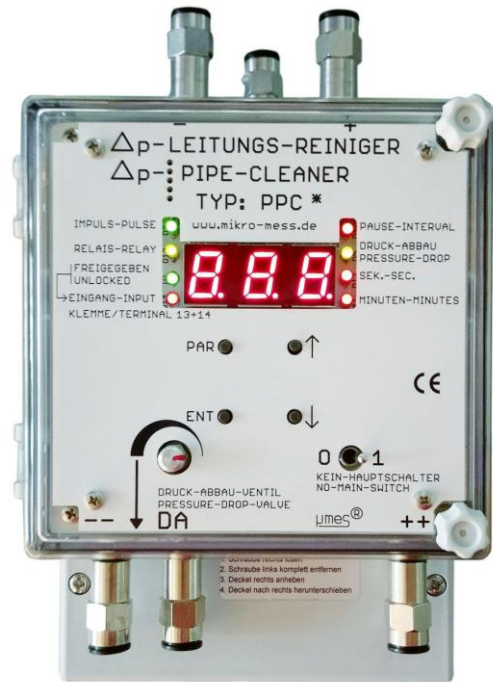
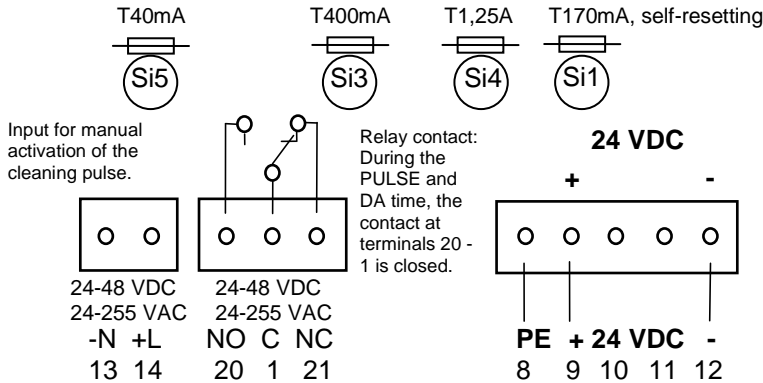
## 1. Service elements:

### 1.1 At the front panel:

DA = adjusting screw for manual valve pressure-drop at connection DA.

The time required for the pressure-drop depends on the length of the Δp measuring lines to the measuring location and can be determined empirically, then set with the parameter **Pdt** and controlled via the air outlet DA and additionally influenced with the manual valve DA. The manual valve DA is fully open with 15 turns counterclockwise, but it must not be completely closed, therefore the lock nut is secured to the adjusting screw.

## 2. Electrical connection 24 VDC:

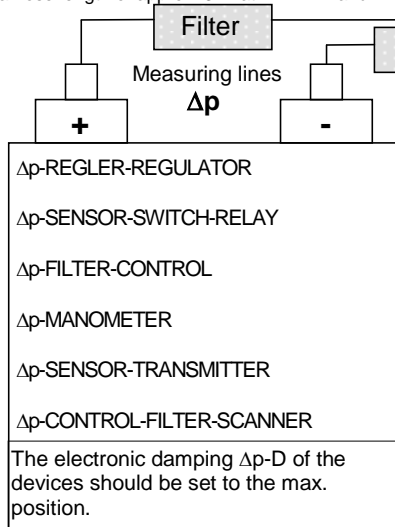


## 3. Mechanical connection diagramm:

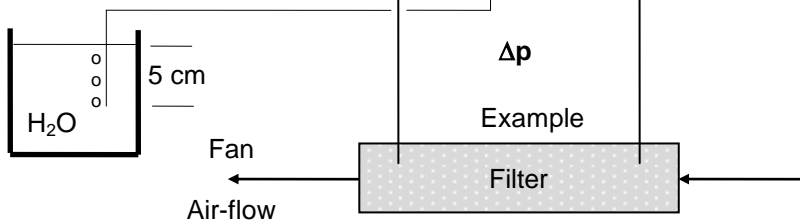
**Compressed air:** oil-free, dry, filtered, use fine filter for particle size ≤ 0.1mm directly in front of the compressed air inlet. μmes filter, min. 4 bar, max. 6 bar

Differential pressure measurement

The μmes filters FT-... in the measuring lines improve the effect of storing the measured values due to the air volume. The effect can also be achieved with a hose length of approx. 3 m at ID=4mm and 2m at ID=6mm.

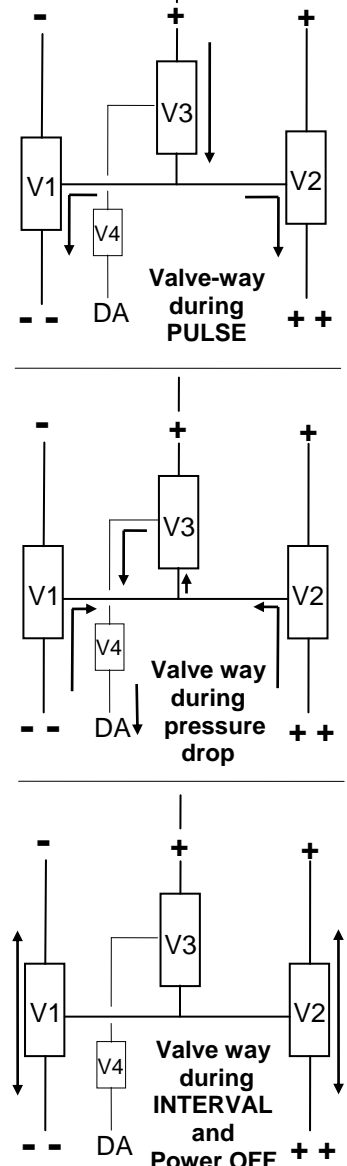


### Test arrangement – pressure-drop



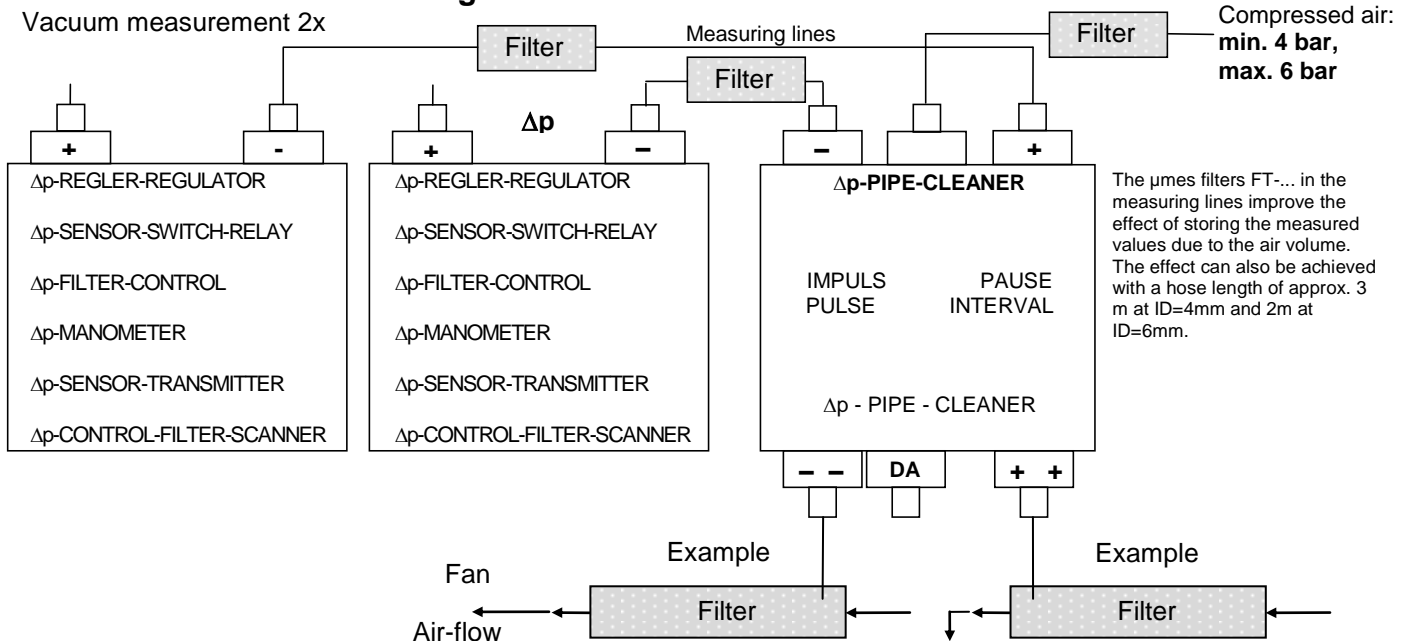
## Mounting instructions:

If a torque is introduced into the pressure connections during hose assembly, this torque must be absorbed by the hexagon of the pressure connection with an open-end wrench so that the pressure connections cannot rotate in the housing. For outdoor installation, the device requires weather and sun protection through a roof. Direct sunlight can lead to unacceptably high temperatures in the device and thus to malfunctions.



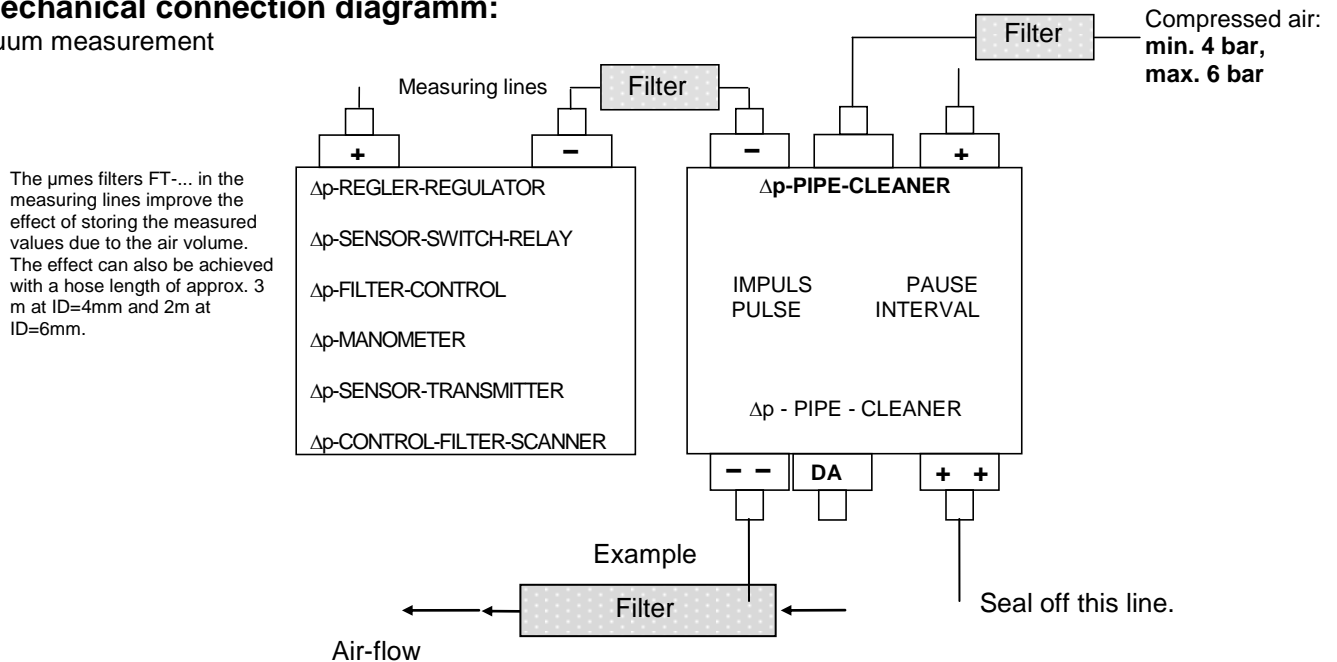
#### 4. Mechanical connection diagramm:

Vacuum measurement 2x



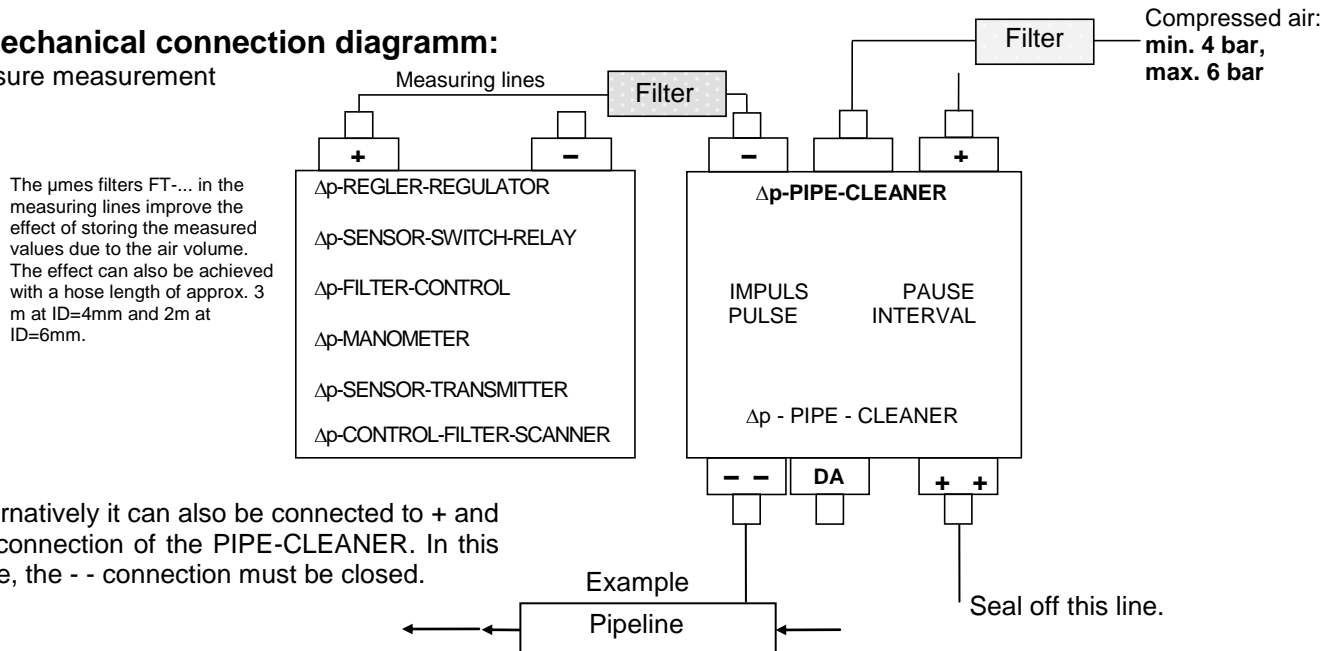
#### 5. Mechanical connection diagramm:

Vacuum measurement



#### 6. Mechanical connection diagramm:

Pressure measurement



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