MEMBRANE CONTROL SYSTEM (MCS)

VISIBLE CONTROL OF MEMBRANE FILTER ELEMENTS

CLEAR LIGHT SIGNAL WHEN A MEMBRANE IS LEAKING.

REAL-TIME WARNING OF LEAKAGES.

MEMBRANE CONTROL SYSTEM (MCS)

The MCS makes it easy to detect membrane damage in the filtration cycle at the end of the squeezing process. While the MCS does not show a blue signal for undamaged membrane plates, when the flow comes to a standstill, a blue LED clearly indicates a leakage in the case of a defective membrane.

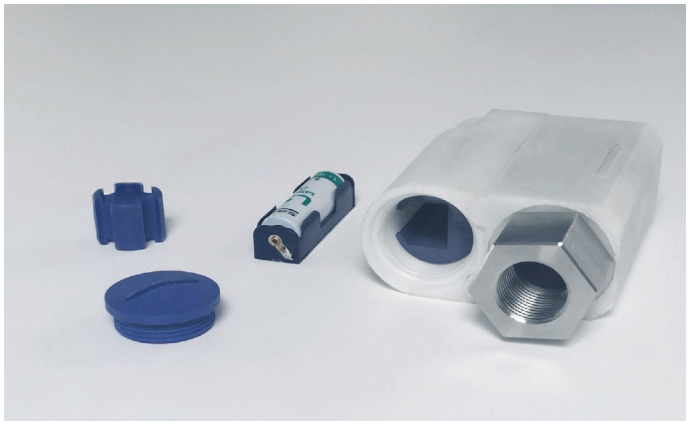
At the start of the squeezing process, the MCS will usually also light up when the membranes are filled with a sufficiently high volume flow.

FEATURES

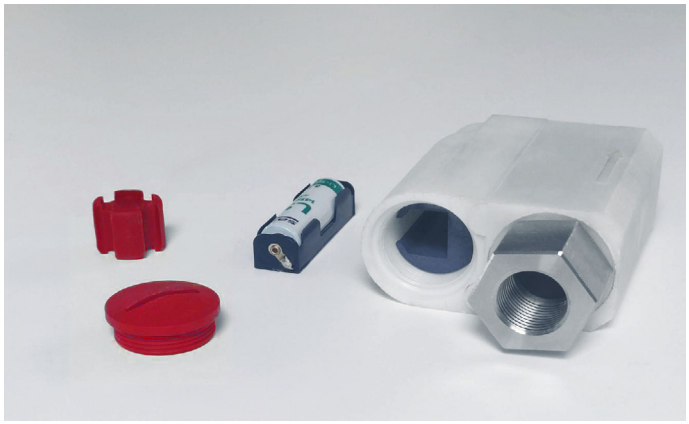
- **Flow in both directions**
  Squeezing without blockages.
- **Suitable for high-pressure membranes**
  Unrestricted use up to 30 bar pressure.
- **Quick and easy installation**
  Simple installation on the filter element or manifold. Various connection options available.
- **Convincing wear resistance**
  Housing made of stainless steel and polypropylene for use in all areas of application.
- **Battery status display**
  Red signal indicates low battery status

BENEFITS

- **Clear representation of the membrane function**
  Monitoring from a distance – visible at a glance.
- **Short-term reaction option:**
  Defective membranes can be replaced immediately.
- **2 variants for different volume flows**
  This makes it possible to adapt to a wide variety of filter press installations.
- **Retrofitting possible to any filter press**
  Your #FiltrationExperts are happy to advise you.



MCS with blue dam body for 10L design:
Switchover point: water ≤ 10 l/min | air ≤ 10 m^3/min



MCS with red dam body for 5L design:
Switchover point: water ≤ 5 l/min | air ≤ 6 m^3/min

TECHNICAL DATA

Squeezing media	Water, air
Available sizes of filterelements	from 470 mm to 2440 mm
Connection options	G 1/2" and G 3/4"
Installation length of MCS	100 mm
Recommended minimum flow rate per membrane element	Variant blue: 20 l/min (water), 25m³/h (air) Variant red: 10 l/min (water), 15 m³/h (air)
Maximum squeezing pressure	30 bar
Maximum temperature of squeezing media	70°C
Materials	Stainless steel and PP
Battery type / Size	1x AA Lithium-Batterie Typ AA / R6 mit 3,6
Battery life	Depending on the lighting duration of the LED
Certificate	IP 67

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