FILTER|CONTROL

Sensor-based drum filter control

The intelligent control of drum filters.

- Suitable for every drum or beltfilter
- Reliable hydrostatic pressure sensor
- Dynamic- and Eco-Mode: water- and energy-effective
- WLAN: online alarm and monitoring

FILTER | WATER LEVEL CONTROL | TIME CONTROL | WLAN

FILTER|CONTROL
Drum Filter Control

Focus on reliability of drum filters

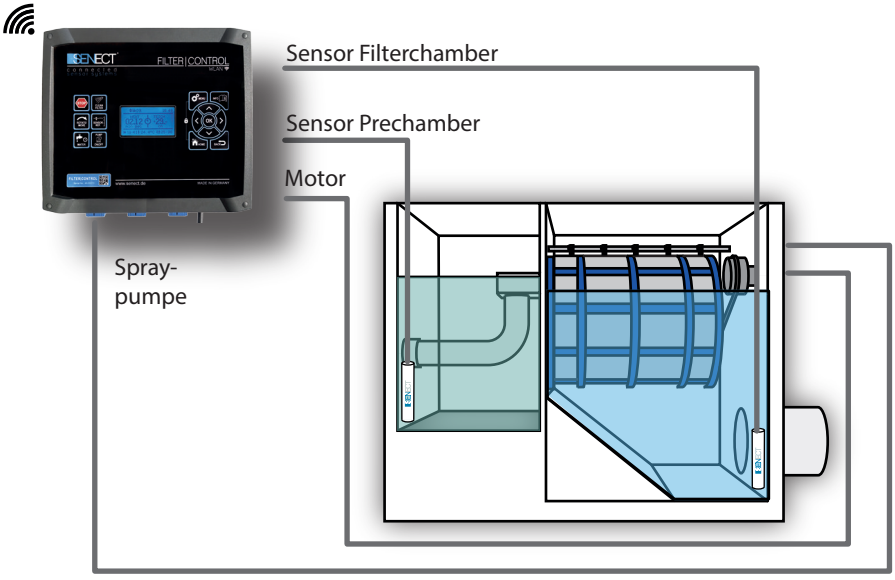
Drum filters have only one task - removing particles out of the water. But this has to be fulfilled to 100%, always 24/7.

„But every filter is just as good as its control unit.“

But every filter only as good as its control unit. This is the point, where the Senect FILTER|CONTROL comes into play. By its sensor-based measurement of the water level in combination with intelligent control algorithms the FILTER|CONTROL provide the basis for a reliable operation of your filter despite disturbances.

The sensors of the FILTER|CONTROL measure the water level with the principle of hydrostatic pressure. That is why they are insensitive against dirt and deliver reliable measurement values.

Example: The FILTER|CONTROL *connected to a 24 V DC drum filter.*



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SENECT
connected sensor systems

Reliable control of the filter due to
- Continuous sensor readings
- Intelligent analysis of the measured values (e.g. Dynamic-Mode)
- Elimination of interferring signals (e.g. fluctuating water level)
- Surveillance of the motor current (for 24 V motors)

Less maintenance and ressource-saving with
- Intensive cleaning programme
- The Eco-Mode (up to 40% less water is used)
- The automatic water refill function (with the opt. solenoid valve)

Security
- Monitoring of the water level
- Alarming in case of failure on your smartphone, tablet or PC
- Remote access

User-friendly
- Easy plug-and-play installation
- Replacement of old control units possible
- Setting the settings directly at the device - but also comfortable via tablet or PC

WLAN - always connected

The FILTER|CONTROL monitors the water level continuously. That´s why critical situations like a low water level are recognized in real time. By connecting your FILTER|CONTROL to your wireless network, you can be warned in case of an emergency. Hence, you have the possibility to react in time.
Another advantage: you can use your smartphone, tablet or PC to set the settings, to display the live readings or statistics or just to check if everythings alright.

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FILTER|CONTROL: *Designed for every drum or belt filter*

The FILTER|CONTROL was developed for drum and belt filters - so universal that it harmonizes with many filters of different size classes and from different producers.

Filters with 24 V DC or 230 V AC motors can be directly connected while filter with 400 V AC motors can be connected via a relay- or frequency converter unit.

FILTER|CONTROL	
Dimensions:	260 x 228 x 127 mm
Supply voltage:	100 - 230 V AC / 50/60 Hz
Power consumption of the unit:	max. 15 W
Power of the 230 V outputs:	max. altogether 2200 W
Sensor-Input ports:	2 x water level sensor, 1 x security switch (proximity)
Output ports:	1 x High-Power motor-output (24 V DC, max. 6 A) 2 x Actuator outputs 3 x 230 V AC (spray pump, circulation pump, UVC or alternatively 230 V filter motor), individually fused
Actuator signals:	24 V DC PWM, 0-10 V, 4-20 mA
Functions of actuators:	Solenoid valve for refilling of water, warnlamp, frequency converter (e.g. for 400 V drum motors)
Ingress protection:	IP54 - protection against splashing of water
Data transmission:	2.5 GHz WLAN
Options:	FILTER|CONTROL 150 W power supply (Art. No. 1200) FILTER|CONTROL 300 W power supply (Art. No. 1210)
Accessoires (subset):	Sensor - Wate level probe PS (Art. No. 2001) Sensor - Water level EPS (Art. No. 2000) Solenoid valve water M12 (Art. No. 3010)

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