

## Conveyor Filter Systems

-The UNIFIL series

**Conveyor filters will effectively remove particles in your industrial fluids such as:**

- Sewerage water.
- Wastewater.
- Coolant and lubricants.
- Chemical process fluids.
- Painting canins.
- Pretreatment applications.

### Conveyor filter advantages:

- Particles and steam filter is separated.
- Effective filtration ensures less production stops and lower running costs.
- Fluid or particles can be recycled in the process or removed.
- Bad smell and chances of infections from dirty fluids are minimized.
- 100 % use of steam filter.
- Filtering down to 10 µm.
- Fully automatic.
- Easy to install, very little maintenance.

### Function:

The Conveyor filter is build on the principal of mechanical filtering, where a fluid column secures the needed pressure for filtering. The filter is as standard constructed in stainless steel.

The Conveyor filter system is easily installed in existing machinery og industrial applications. It is constructed to function continuously for many years- effectively removing unwanted particles.

The capacity depends on the fluid viscosity, the level of filtration and the particle content in the fluid.

From the inlet the fluid is spread throughout the filter cloth. The fluid is pushed through the filter cloth where the particles are withheld

If there is an increasing level of fluid as a result of a soiled filter cloth, a new clean piece of filter cloth will be activated from the roll automatically. With this method, the filtercake will be pulled out of the machine and dried before it is scraped off by the collector.

The used filter cloth will be rolled out separately for easy removal.

Tanks can be made on you request in all sizes but is only available in stock in standard sizes, matching the dimensions of the conveyor filter system—prepared for mounting of pump.

The tanks contains as standard the nessecairy coverplates, drainage valves etc. for optimum performance. Bottomframe under the tanks is not standard.

### UNIFIL:

Conveyor filter system with side inlet, tank and receptacle to collect the sludge.



	Length [mm]	Width [mm]	Heigh [mm]*
UNIFIL 250	980	450	570
UNIFIL 500	980	700	570
UNIFIL 700	980	900	570
UNIFIL 1000	980	1200	570
UNIFIL SE 1000	1980	1200	680

	Weight [kg]	Capacity [l/min]**	Capacity [l/min]***
UNIFIL 250	65	80	50
UNIFIL 500	75	150	90
UNIFIL 700	90	250	150
UNIFIL 1000	110	400	250
UNIFIL SE 1000	145	800	500

### Technical Features:

\* Height includes top inlet.

\*\* Capacity at 20°C with one filter cloth (P60) and a fluid viscosity of 1cSt.

\*\*\* Capacity at 20°C with one filter cloth (P60) and a fluid viscosity of 12cSt.

Electrical input : 3 x 400 VAC, 50 Hz

Control voltage : 24 VAC, 50 Hz

Standard control : 3 point switch for automatical-0-manual operation  
: Reset of gear motor  
: Indicator for filter cloth  
: 24 Volt output

Receptacle : Standard  
Inlet types : Top inlet (standard)  
: Side inlet