

hydroflow

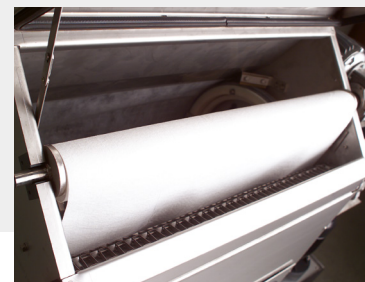
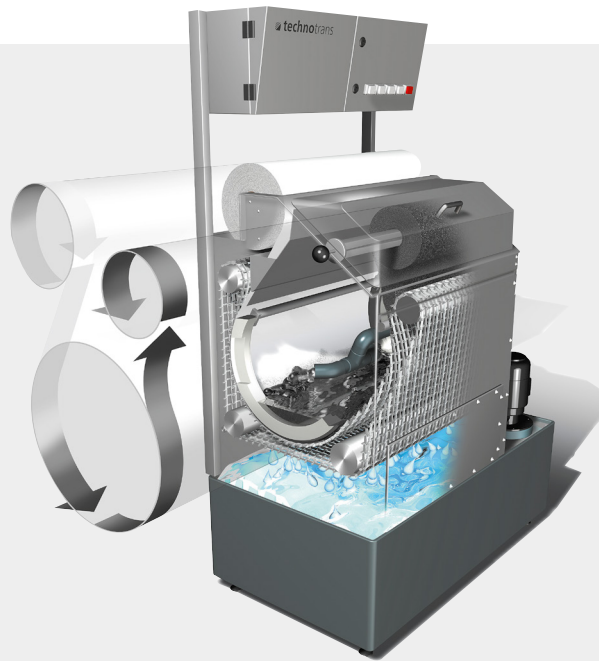
Dampening solution fine
filtration for web offset presses



hydroflow

Advantages at a glance:

- High filtration quality
- Increased dampening solution service life
- Reduced filter material consumption and filter costs
- Reduced disposal costs
- Reduce cleaning effort in the dampening solution system
- Easy handling
- Improved dampening solution quality leads to a more stable printing process



View in the ring band filter.

Web offset production is sensitive to changes in the printing process and so having up to date and economically efficient technology is vital.

Dampening solution filtration is an absolute must for those wanting to achieve complete process stability, cut costs and relieve the burden on the environment.

Band filter - larger filter area, higher flow rate

Following extensive trials and field tests, technotrans has introduced the band filter system for web offset printing. The hydroflow is a ring band filter that offers a number of advantages compared to other pre-filter systems.

Used as a pre-filter stage in the return line from the printing units, the hydroflow enables the separation of all coarse dirt particles even when inexpensive filtering materials are used. This way, significant quantities of dirt are removed. The downstream main filtering stage in the dampening solution circulation can then be equipped with a finer filter to remove smaller particles. The result: improved filtration and better filter life, a cost-effective solution.

When using the hydroflow ring band filter on a rotary press, pre-filter boxes with filter mats, which are normally used in heatset printing, are no longer necessary. A central pump tank feeds the contaminated dampening solution from the press to the band filter. If the level difference is great enough, e. g. in the case of rotary presses for newspaper printing, the hydroflow can be directly integrated in the return flow coming from the dampening solution pans without an additional pump tank.

The capacity of the filtrate collecting tank can be adapted to the volume of liquid circulating in the printing press.