

RF14 Eliminates Requirement for Manually Changing/Cleaning Basket Strainers

Technical Application Bulletin

CHALLENGE

A major pulp and paper manufacturer was experiencing routine clogging of basket strainers on one of their paper machines due to paper fibers. This repeat clogging forced workers to clean the basket strainers at least once per shift, increasing downtime and reducing operator safety.

APPROACH

After testing to determine the dirt load and filtration area required, Schroeder Industries recommended the installation of two RF14-30's in parallel. Additional modifications were made to the existing pump on-site at the customer's facility to increase flow and pressure.

Installing two RF14-30's increased their collective filtration capability and allowed for redundancy in the system. The automatic back-flushing capability of the RF14 allows the filter baskets to self-clean without interrupting the flow of filtration or machine operation.

RESULTS

- Customer reported substantially cleaner water
- Reduction in downtime; paper machine basket strainers only require cleaning 1-2 times weekly versus 1-2 times per shift
- Improvements to personnel efficiency and safety; allows personnel to concentrate on more important manufacturing tasks and reduces their exposure to the cramped basket strainer area

Schroeder Industries AutoFilt® RF14, featuring a basket-based back-flushing filter and automatic back-flushing for uninterrupted filtration.

