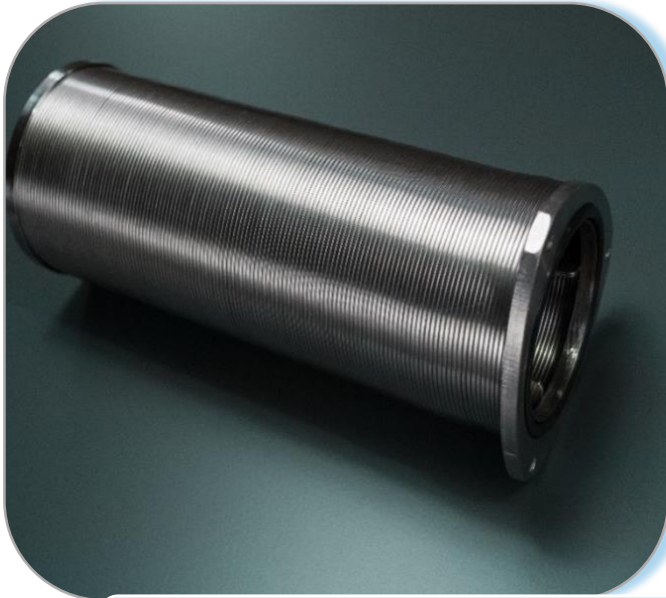


Implementation of ZGF EZ Clean with Proprietary Spring Filter Technology Protects Heat Exchanger – Improves Process Reliability



Pulp and Paper



Each EC100 Pod has (1) proprietary ZGF Spring Filter element with a 125 μ Absolute Gap



EZ Clean EC100, 2-Pod Flowrate: 25 gpm

Customer Challenge:

A pulp and paper mill could not consistently maintain the design delta 'T' across its heat exchanger. The heat exchanger was used to cool the hydraulic oil used for the wet stack winders. The cooling water is supplied by the mill's cooling tower and the fiber in the tower water was plugging the 'Y' strainers which restricted flow to the heat exchanger and reduced the delta "T".

ZGF Solution:

ZGF installed an EZ Clean EC-100, 2-Pod automatic filter in-line to the heat exchanger. 100% of the flow to the heat exchanger was filtered continuously.

Results:

- The EC100, 2-Pod automatic has been running continuously without fault, downtime, or regular operator involvement.
- The temperature of the oil has consistently been reduced by 5-8 °F in accordance with the design specifications.
- The ZGF system has improved process reliability and eliminated a maintenance burden.
- Based upon the success of the initial installation, the mill installed two additional EZ Clean EC 100, 2-Pod automatic filtration system on two other heat exchangers with similar success.