



Pulp and Paper Water Intake

Water is one of the most important raw materials in the pulp and paper manufacturing process. Processes typically involve both intake water and used mill or white water in large volumes. In both cases it is critical that this water be thoroughly filtered to remove any oversized, suspended particulates. K-Factor Filter offer a range of water filtration solutions to the pulp and paper industry providing substantial benefits, including:

- Environmental regulation compliance
- Reduced cost of municipal water
- Elimination of nozzle clogging

Please reference the attached typical application summary:

	Pulp and Paper Plant
Application	River Water
Project description	Engineer and design a maintenance free filter system to replace the numerous screens, backwashing filters, strainers and other filtration devices throughout the plant. This complicated design used the head flow pressure from the canal at high and low water conditions. K- Factor filter was a good choice because it can respond to varying flows and upsets in solids loading.
Flow Rate	2800 Gallons per Minute.
Micron requirement	50 microns

Total Project cost	\$200,000
Cost to operate	\$4,000 per year
Return on Investment	Less than one year.
Note	Reduction of maintenance and the provision of consistent water flow to the plant were key requirements in conjunction with arresting nozzle plugging and downtime reduction. Removal of the solids that were causing issues with the color of the paper was also achieved.
Specifications, Drawings & Photos	Click to View

For more information on how K-Factor filtration systems can improve your Pulp and Paper water intake, provide us your requirements and we will respond within two business days.

If you have any questions or would like to access current information about K-Factor Filter installations kindly review our blog. There is no obligation and we appreciate any questions or comments you care to share

