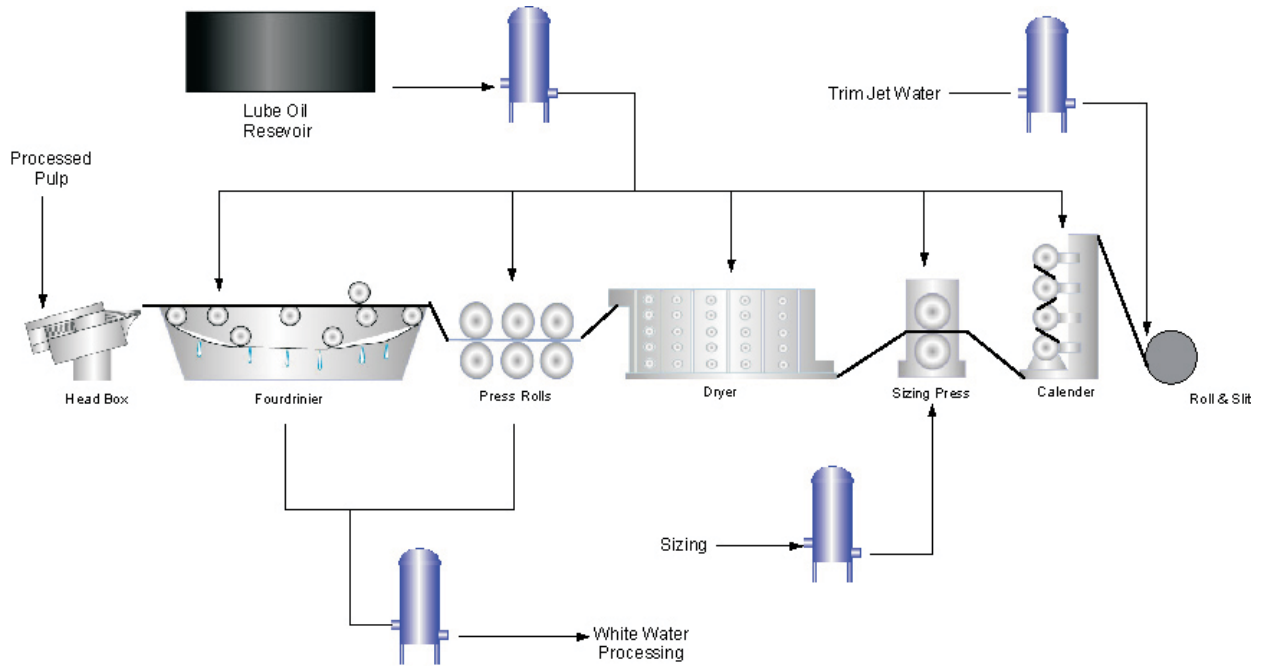


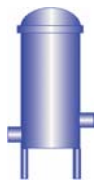
CLASSIC

FILTER & EQUIPMENT LTD

PAPER MACHINE



PRODUCT KEY



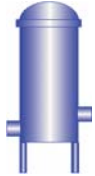
Industrial Filter Vessel

APPLICATION

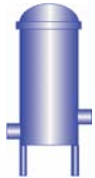
The Paper Machine is a very complex piece of equipment with many different operating sections. Pulp from the pulp processing unit enters the machine through a Head Box where it is conditioned for even distribution on the Fourdrinier Wire. This pulp mat drains moisture as it proceeds along the length of the Fourdrinier. The mat then enters the Press Roll Section where more excess moisture is removed and, from there, it moves through the Dryer section to be further dewatered. After the Dryer, the sheet runs through a Sizing Press where various additives are introduced to achieve proper paper characteristics. The sheet is then calendered to the proper weight and then trimmed and cut.



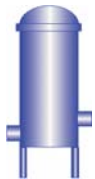
The Paper Machine contains many hundreds of rolls and these rolls contain bearings. These bearings must be properly lubricated to maintain the precise tolerances between metal surfaces. It is imperative to maintain oil cleanliness so that contaminants do not become lodged between the oil and metal surfaces. Typical ISO cleanliness levels for these bearings are at a level of 15/14/12. Classic can provide the proper filters that will maintain the oil within the proper ISO specifications.



The Trim Jet Nozzles are another area where care must be taken to avoid plugging the nozzles with contaminant from the spray water. If the nozzles plug, the cutting and slitting of the paper rolls may be affected adversely. Classic recommends a Pleated Style element for this application.



Additives are applied to the paper in the Sizing Press to enhance qualities such as strength and appearance. If these additives agglomerate or if they contain contaminants, it will impair the ability to maintain product with proper specifications. Classic recommends a fixed pore structure depth style filter for this application.



The water recovered from the various areas of the Paper Machine should be filtered prior to return to the White Water Processing Plant. This will remove fibers and other contaminants prior to re-introduction to other parts of the plant. Classic recommends a multi-layer pleated filter for this application.

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