

Virgin Pulp	Graphic/ Speciality	Raw Material Handling	Pulping	Screening	Centrifugal Cleaning	Deinking	Washing Dewatering	Fiber Treatment	Approach Flow System	Water, Sludge, Reject	
Recovered Paper	Board & Packaging										
Broke + Approach Flow System		Tissue		ProEnergy +++		ProQuality ++++		ProCapacity +++		ProYield +	
				ProSpace ++		ProEnvironment +					

Mechanical Deaeration with CycloMech DCM

The highest deaeration with lowest integration outlay

White water deaeration offers an attractive retrofitting solution, especially for packaging paper where no deaeration was provided with the first installation. Such companies are thus interested in a simple retrofitting solution.

Mechanical deaeration with the CycloMech™ DCM allows efficient reduction of air in the approach flow system. This is a compact and attractive retrofitting solution, which is easy to integrate into an existing system. The specialty of the CycloMech is its low energy consumption due to functional separation of deaeration and conveying the suspension.

Customer benefits

- + Optimal paper quality:
 - + improved formation
 - + no pinholes
- + Reduction of operating costs
 - + increase in paper machine availability
 - + easier dewatering
- + Reduction of chemical consumption
 - + less need for anti-foaming-agent
 - + less need for Deaeration chemistry
 - + less retention agent need
 - + reduced need for biocide

- 1 Installed CycloMech DCM
- 2 Microscopic photo: Air bubbles in the suspension
- 3 Model of CycloMech DCM



Areas of application

Application for deaeration of white water for the production of graphic and packaging paper.

Sizes

Size		DCM05/08	DCM09/16
Troughput	l/min [gpm]	10 000 [2650]	45.000 [11.900]
Power consumption (Machine and Pump)	kW [HP]	35-50 [47-67]	150-180 [200-242]
White water consistency	[%]	0.3 - 1.0	

Options and possible combinations

Deaeration of the white water is sufficient for most applications. For higher deaeration requirements, white water deaeration can be combined with cleaner deaeration (HCL5C).

References

- 4 DCMs 09/16 in Germany
- 1 DCM 05/08 in Germany

Further Information

- Link to product finder:
www.voith.com/paper