

Virgin Pulp	Graphic/ Specialty	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 ++

HiClean HCL5-I (EcoMizer)

Maximum efficiency at high stock consistencies

This product removes heavy contaminants from stock suspension for the stock preparation and wet-end process.

HiClean™ HCL5-I is a multi-stage fine cleaning installation.

Compared to similar products of this category the HiClean HCL5-I satisfies in any case:

- + handle high stock consistencies up to 3%
- + lowest energy demand
- + smallest footprint required
- + lowest running costs
- + Upgrade to HiClean Combi (HCL5-C):
separation of heavy and light weight contaminants from the suspension.

Customer benefits

- + Improved paper quality due to minimized contamination levels in the raw material
- + Higher stock consistencies can be handled due to the flow-optimized headpiece
- + High inlet stock consistency allows a low specific energy demand, fewer units and therefore lower investment costs
- + Minimal fiber losses, due to a high concentration of contaminants in the rejects
- + EcoMizer rejects dilution maximizes operational reliability at highest stock consistencies
- + Nylon cones or wear-resistant ceramic cones permit the optimal match of wear parts to stock properties concentrations

1 HiClean HCL5-I with EcoMizer

2 HiClean installation



1



2

P04

Areas of application

All paper grades

Dimensions

Modular design enables coverage of any tonnage.

		HCL5-I			
Application		All stages			
Maximum allowed pressure	[psi]	58	[bar]	4	
Maximum allowed temperature	[°F]	158	[°C]	70	
Nominal pressure drop (Inlet – Outlet)	[psi]	23 / 29	[bar]	1.6 / 2.0	
Nominal inlet volume flow	[gpm]	87 / 127	[l/min]	435 / 480	
Minimum accept pressure	[psi]	0.145	[bar]	0.1	
Maximum inlet stock consistency	[%]	≤ 3	[%]	≤ 3	
Dilution water volume flow	[gpm]	8 to 16	[l/min]	30 to 60	

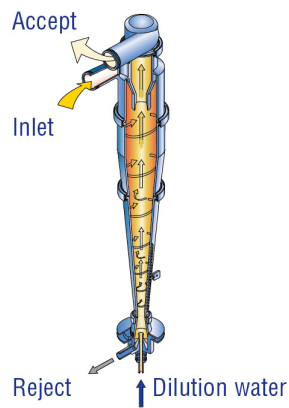
Maintenance intervals and services

All replacement parts can be supplied by Voith.

References

Over 700 single machines in operation.

3 EcoMizer principle



Further information

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