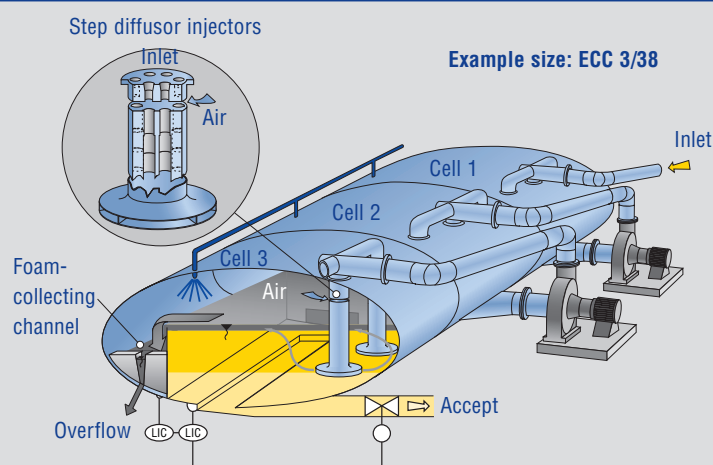


Deinking EcoCell™ with LowEnergyFlotation™



EcoCell™ ECC with LowEnergyFlotation™

Your requirements

- Effective removal of hydrophobic contaminants (e.g. printing ink, stickies) from recovered paper
- Highest yield
- Minimal energy consumption
- Simple handling
- User-friendly operation
- Comfortable atmospheric environment
- Best available technology
- Simple expandability

Our solutions

- Approved EcoCell technology using internal aeration units and highly flexible production rates due to interconnecting cells
- FloFlexYield – patented solution with partial foam recycling in post flotation
- LowEnergyFlotation (LEF) – patented energy saving deinking flotation
- Self-cleaning, plug-free and wear-free system with low necessity for service
- Automated controlled foam over flow
- Internal aeration unit resulting in a narrow circuit of process air
- Clever modular construction

Your benefits

- Best possible brightness gain and highest dirt speck removal for particle sizes between 5 - 500 µm
- Primary and secondary flotation with minimal solid loss; effective no fibre loss!
- Low energy consumption between 10 - 15 kWh/t
- No machine maintenance necessary
- No additional costs for wear parts
- Self-adjusting system with nearly no adaption in operation
- No additional steam leaving the unit
- Easy conversion of E-Cell or EcoCell flotation systems to higher production amount and/or LEF

“On highest technological level upmost yield demands are combined with lowest energy requirement resulting in energy savings of up to 50 %“
(compared to competitor systems)

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Technical data

Size ECC-LEF	1/38	2/38	3/38	2/44	3/44	4/44	5/44	6/44	8/44	10/44
Accept quantity of standard plant up [t/24h]	85	170	255	230	350	460	580	766	930	1160
Specific power consumption [kwh/t]	10 - 15									

3/38: 3 = Number of aeration elements per cell, length of a single cell limit (m)
38 = Horizontal ellipse diameter of the cell (dm)

Standard plant: 5 primary cells / 1 secondary cell for one loop.

Actual number of primary and secondary cells depends on raw material, production capacity
and technological result required.