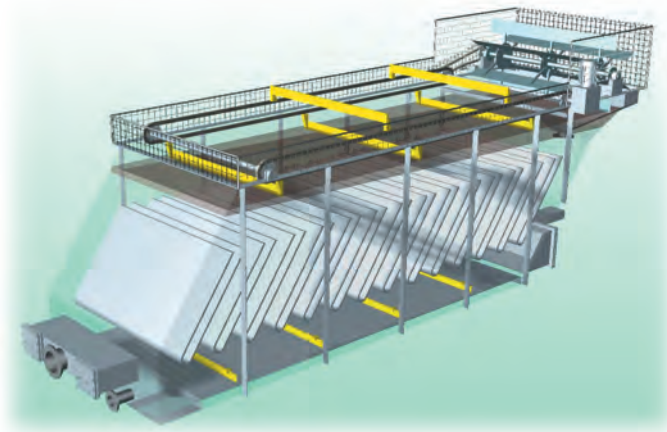




Megacell[®] H

Super efficient horizontal dissolved air flotation (DAF) clarifier



Sophisticated, patented technology and use of "U" shaped elements provide maximum flowrate per surface area and flowrate per unit of capital investment.

Main advantages :

- Extremely compact and efficient clarifier - with surface hydraulic loading rate up to 30 m/h.
- Lower capital cost versus traditional rectangular units for equal flows.
- Highly energy efficient - very high level of clarification with significantly lower pressurisation rate compared to traditional DAF clarifiers.
- Minimises polymer consumption by optimising flocculation with extended mixing time in presence of air bubbles and polymer.

Main applications :

- White water clarification and fibre recovery in the paper industry.
- Clarification of de-inking effluents.
- Clarification of food and industrial effluents in combination with physical-chemical treatment.
- Biological tertiary treatment.

The heart of the MEGACELL H is a horizontal range of special "U" shaped elements that allows the use of both co-current and counter-current lamella clarification. The result is a very high hydraulic and solids capacity with excellent clarification efficiency.

The MEGACELL H is equipped with a high performance and mechanically strong floated sludge removal device. The scraping and the sludge extraction are separated in order to provide optimal fulfilment of these functions. This combination avoids the use of rubber gaskets commonly used in conventional scrapers pushing and extracting the floated sludge.

MEGACELL H are typically equipped with a bottom scraper.

The device is designed for maximum efficiency with practically no maintenance.

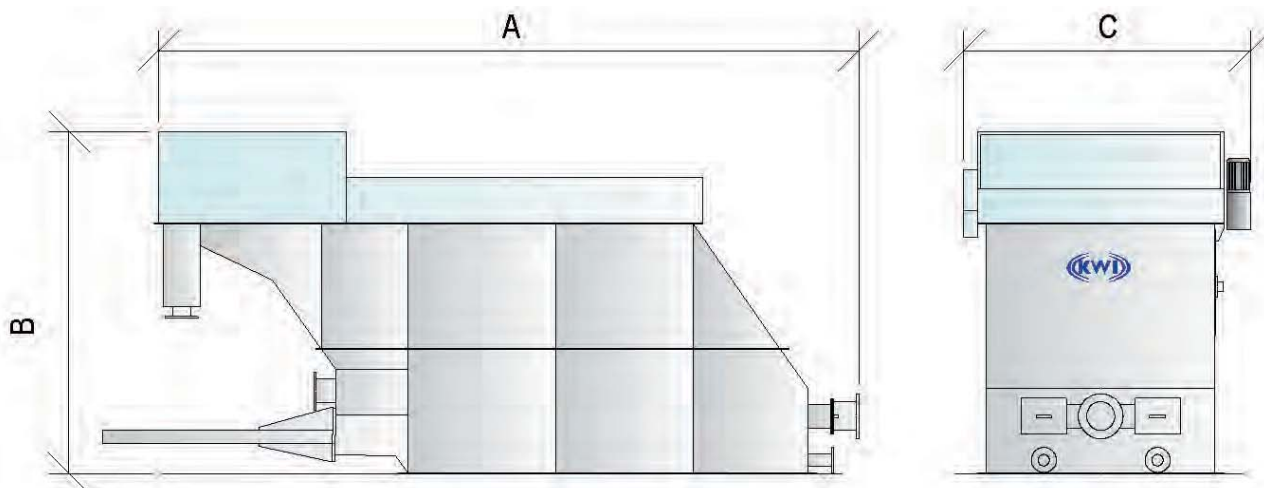
MEGACELL H units are available in 13 sizes for flows from 25 to 1000 m³/hr.



MCH 30 - Dairy



MCH 30 - Effluent treatment paper mill



* The maximum flow includes recycle flow and is dependent on suspended solids loading and the application!

Type	Max. flow (m ³ /h) *	Motor (kW)	A (mm)	B (mm)	C (mm)	Weight tons (full of water)
MCH 2	25	0,37	3000	2800	1700	2,5
MCH 4	50	0,37	3800	2900	1700	4,5
MCH 6	75	0,37	3900	2900	2000	8
MCH 8	100	0,37	4000	3000	2500	11,5
MCH 12	150	1,1	4600	3000	2500	14,5
MCH 16	200	1,1	5600	3000	2500	18
MCH 20	250	1,5	6200	3000	2500	22
MCH 25	312	1,5	7600	3000	2500	28
MCH 30	375	1,5	8600	3000	2500	35
MCH 40	500	1,5	10600	3000	2500	44
MCH 50	625	1,5	10800	3000	3000	52
MCH 60	750	1,5	11400	3150	3400	66
MCH 80	1000	1,5+0,75	11500	3350	4600	88

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