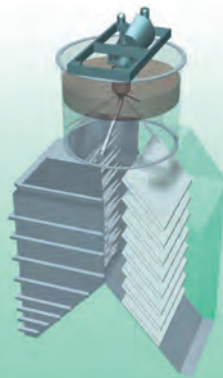




# Megacell<sup>®</sup> V

Super efficient vertical dissolved air flotation (DAF) clarifier



Sophisticated, patented technology and use of "U" shaped elements provide maximum flow-rate per surface area of footprint.

## Main advantages :

- Extremely low footprint versus flow-rate.
- High energy efficiency - very high level of clarification with significantly lower pressurisation rate compared to traditional DAF clarifiers.
- Reduces polymer consumption to the minimum by achieving optimal 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 industrial effluents in combination with physical-chemical treatment.

The heart of the MEGACELL V is a vertical 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 occupying a minimal footprint.

The MEGACELL V is extremely simple from a mechanical point of view - there is one single motor driving the spiral scoop and the carriage. There are no other moving parts.

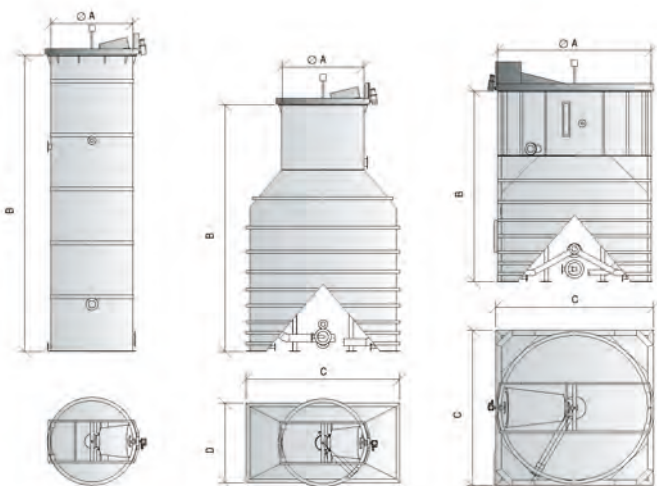
MEGACELL V units are available in 8 sizes for flows from 100 to 1250 m<sup>3</sup>/hr.



MCV 60-4 & MCV 30-2 - Paper mill



MCV 20 - De-inking effluent paper mill



MCV

MCV-2

MCV-4

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

Type	Max. flow (m <sup>3</sup> /h)	Motor (kW)	ø A (mm)	B (mm)	C (mm)	D (mm)	Weight tons (full of water)
MCV 8	100	0,37	2250	5300	-	-	22
MCV 12	150	0,55	2250	6300	-	-	27
MCV 20	250	0,55	2250	8300	-	-	38
MCV 30	375	0,55	3000	9000	-	-	65
MCV 40	500	0,75	4300	7000	-	-	100
MCV 60	750	0,75	4300	8300	-	-	130
MCV 80	1000	0,75	4300	9600	-	-	160
MCV 100	1250	0,75	4300	10900	-	-	190
MCV 20-2	250	0,55	2250	5700	4300	2300	25
MCV 30-2	375	0,55	2250	6900	4300	2300	35
MCV 40-2	500	0,55	2250	8100	4300	2300	60
MCV 40-4	500	0,55	4350	5300	4350	-	80
MCV 60-4	750	0,55	4350	6600	4350	-	110
MCV 80-4	1000	0,55	4350	7850	4350	-	150
MCV 100-4	1250	0,55	4350	10500	4350	-	200

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