

Megacell V

Super efficient vertical Dissolved Air Flotation (DAF) clarifier



Sophisticated, patented technology and use of “U” shaped elements provide maximum flowrate per surface area of 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.

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

Product 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

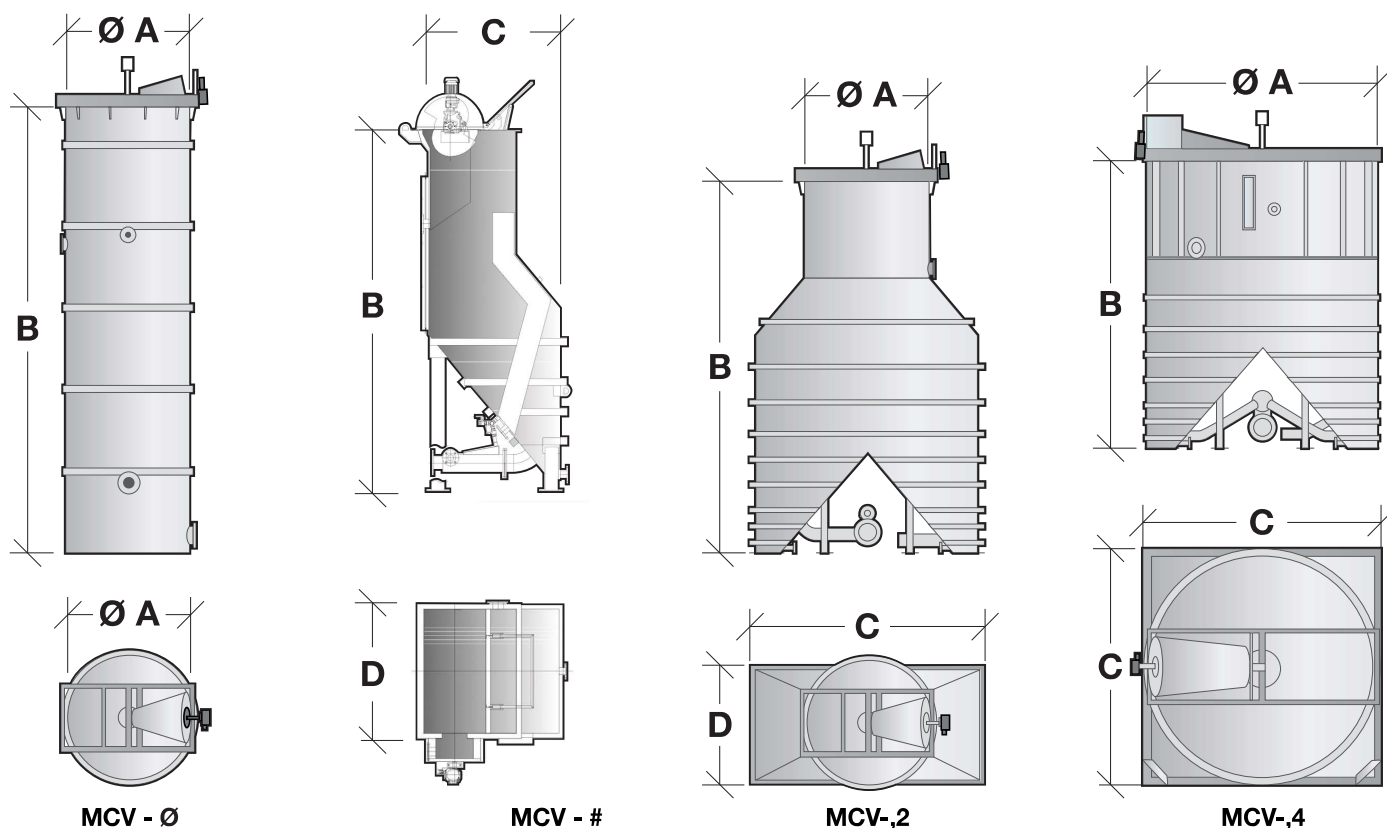
The heart of the MEGACELL V is a vertical range of special “U” shaped elements that allows the use of both co-current and counter-current lamella clarification. The result is a very high hydraulic and solids capacity with excellent clarification efficiency occupying a minimal footprint.

Check out the video!



Megacell V is available in 12 sizes for flows from 25 to 1250 m³/h.

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Type	Max. flow (m ³ /h)*	Motor (kW)	ø A (mm)	B (mm)	C (mm)	D (mm)	Weight full of water (tons)
MCV 6	75	0,55	2250	4300	-	-	17
MCV 8	100	0,55	2250	5300	-	-	22
MCV 12	150	0,55	2250	6300	-	-	27
MCV 16	200	0,55	2250	7300	-	-	32
MCV 20	250	0,55	2250	8300	-	-	38
MCV 30	375	0,55	3000	9000	-	-	65
MCV #2	25	0,12	-	3100	1500	1000	3,2
MCV #4	50	0,12	-	4100	1500	1000	5,1
MCV #6	75	0,12	-	4100	1500	1500	7,5
MCV #20,2	250	0,55	2250	5350	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	7650	4350	-	150
MCV #100,4	1250	0,55	4350	8800	4350	-	200

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

KWI specialists have vast expertise and experience ranging from engineering to building and commissioning, and from investment to operation.

Let's work together to make your project a success!

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