

Minicell

Dissolved Air Flotation (DAF) clarifier for small flow applications



The Minicell is the simplest and the smallest DAF clarifier in the KWI product line. It is designed for small flows.

Advantages

- Very competitive price
- Simple operation
- Excellent performance with “difficult” and “fragile” sludge quality - the sludge blanket does not move and the risk of having sinking flocs is negligible (the sludge is not pushed to the sludge extraction device as the spiral scoop is travelling around the sludge blanket)
- 3 different tank heights available (choice according to the application)

Product Applications

- Excess biological sludge clarification and thickening before further de-watering (for small installations) Excellent application in case of biological phosphorous removal, which reduces also the polymer consumption in the sludge de-watering system
- Industrial effluents from the food industry in combination with chemical treatment
- Industrial low flow effluents

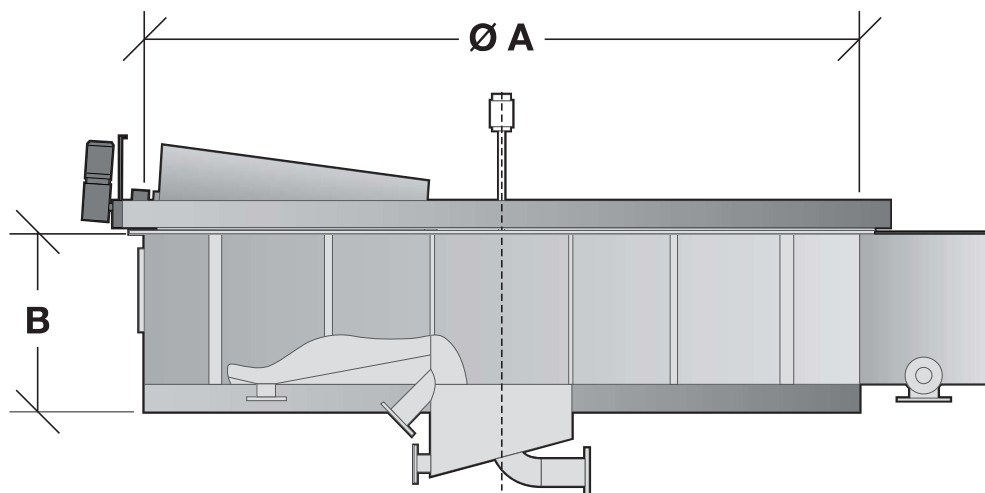
The tank and the construction of the Minicell can be adapted according to the type of the effluent, the inlet solid concentration and the requirements of the application (clarification with or without chemicals, sludge thickening,...)

Check out the video!



Minicell is available in 11 sizes for flows from 16 to 450 m³/h.

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Type	Max. flow (m ³ /h)*	Motor scoop (kW)	Motor carriage (kW)	ø A (mm)	B (mm)	Weight full of water (tons)
MNC 6	16	0,25	/	1850	1000/1500	3/4,3
MNC 8	34	0,25	/	2400	1000/1500	5/7,2
MNC10	60	0,37	/	3200	1000/1500/2000	8/11,5/15
MNC12	90	0,55	/	3900	1000/1500/2000	12/18/24
MNC 15	115	0,75	/	4500	1000/1500/2000	15/23/31
MNC 18	180	0,75	0,75	5500	1500/2000	34/46
MNC 20	220	0,75	0,75	6100	1500/2000	42/57
MNC 22	250	1,5	1,5	6700	1500/2000	51/68
MNC 24	300	1,5	1,5	7200	1500/2000	60/85
MNC 27	400	1,5	1,5	8100	1500/2000	80/96
MNC 30	450	2,2	2,2	9000	1500/2000	108/140

* 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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