

Unicell

Horizontal Dissolved Air Flotation (DAF) clarifier for highly concentrated effluents



Simple and basic concept with strong mechanical components provide efficient sludge removal and clarification of heavy and fatty effluents.

Advantages

- High retention time and special hydraulic design allows operation without chemicals
- Very efficient surface and bottom sludge removing systems allows high inlet solids loading and gives high floated sludge consistency
- Easy to clean

Product Applications

- Oil and fats removal without chemical treatment
- Food industry effluents with high solids concentration
- Sludge thickening

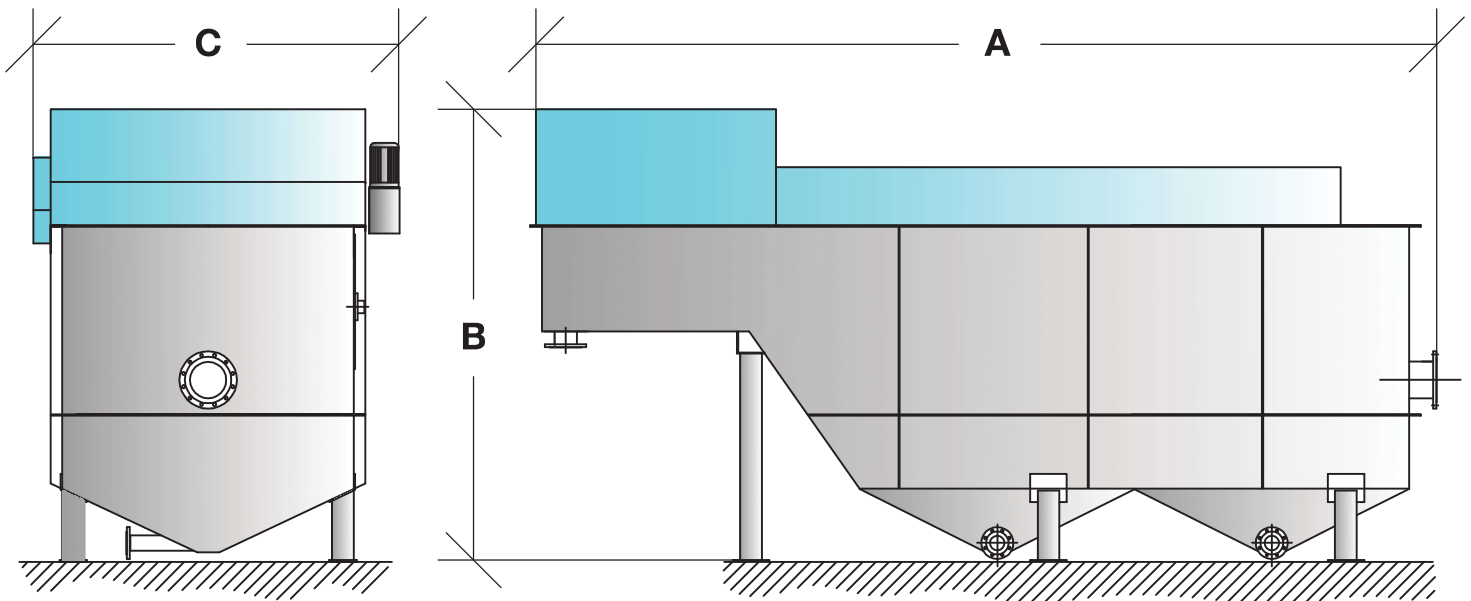
The quality of construction, the careful choice of the mechanical equipment and the very conservative sizing make this “low flow” DAF clarifier an “easy to forget” piece of equipment perfectly adapted to small installations.

Check out the video!

Unicell is available in 10 sizes for flows from 12 to 170 m³/h. It can be fabricated with conical or flat bottom.



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Type	Max. flow (m3/h)*	Motor (kW)	A (mm)	B (mm)	C (mm)	Weight full of water (tons)
UNC 10	12	1,1	4400	3000	1400	6,5
UNC 15	18	1,1	4400	3000	1500	7
UNC 20	24	1,1	5300	3000	2000	10,5
UNC 30	36	1,1	5400	3000	2500	12,7
UNC 40	48	1,5	5500	3000	2500	17
UNC 50	60	1,5	6150	3000	2500	22,4
UNC 70	84	1,5	8200	3000	2500	31,8
UNC 90	108	1,5	10200	3000	2500	41,5
UNC 110**	132	1,5	10200	3000	3000	52
UNC 140**	168	1,5	10200	3000	3350	76

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

** With flat bottom

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!

KWI International Environmental Treatment GmbH
 Auengasse 8
 9170 Ferlach, Austria

Tel. +43 4227 3266
 Fax. +43 4227 3449



A member of the **Safcon** group

www.kwi-intl.com
 office-at@kwi-intl.com

