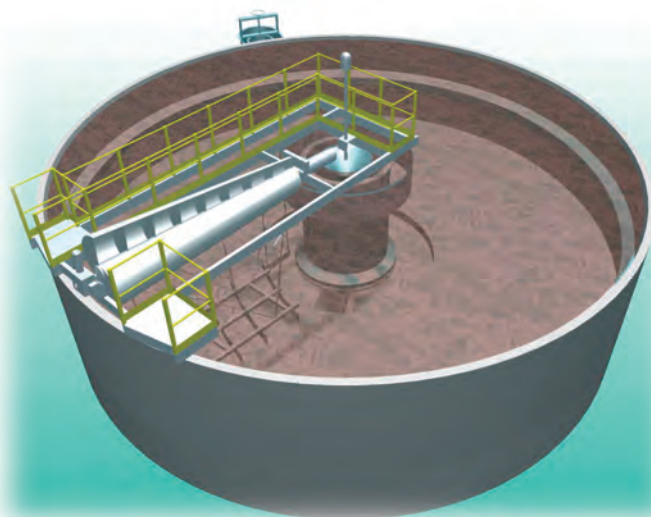


Sedicell™

Dissolved air flotation (DAF) clarifier for sludge thickening



Mechanically simple and robust construction combined with sophisticated hydraulic design allows constant and reliable performance in any conditions.

Main advantages :

- High floated sludge consistency is easy to achieve and maintain even without polymer.
- Low sensitivity to variations in flow and quality of the influent.
- 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).

Main applications :

- Excess biological sludge thickening before further de-watering (excellent application in case of biological phosphorous removal or for large amounts of excess sludge. This also reduces the polymer consumption in the sludge de-watering system).
- Biological sludge clarification after aeration tanks gives the possibility to raise the concentration in the aeration tanks up to 8-10 g/l.

The construction of the SEDI CELL allows fabrication of the tank in stainless steel or in concrete.

The sludge extraction can be controlled automatically with a sludge blanket controller. This allows fully automatic operation of the entire installation while maintaining optimal operating conditions.

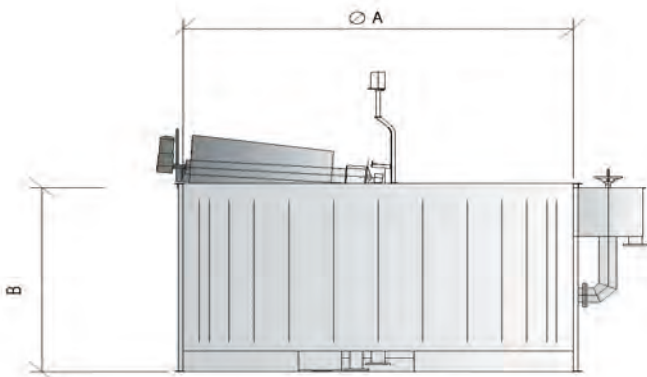
SEDI CELL is available in 18 sizes from 2,4 to 20 m diameter.



SDC 49 - Biological sludge thickening municipal



SDC 36 - Concentrating sludge from biofilter backwashing



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

Type	Max. flow (m ³ /h) *	Motor scoop (kW)	Motor carriage (kW)	ø A (mm)	B (mm)
SDC 8	34	0,15	0,15	2400	2850
SDC 10	60	0,25	0,25	3200	2850
SDC 12	90	0,55	0,37	3900	3300
SDC 15	115	0,55	0,37	4500	3300
SDC 18	180	0,75	0,75	5500	3300
SDC 20	220	1,1	1,1	6100	3300
SDC 22	250	1,1	1,1	6700	3300
SDC 24	300	1,1	1,1	7200	3300
SDC 27	380	1,1	1,1	8100	3300
SDC 30	470	1,1	1,1	9000	3300
SDC 33	570	1,1	1,1	10000	3300
SDC 36	700	1,5	1,5	11000	3300
SDC 40	850	1,5	1,5	12200	3300
SDC 44	1000	1,5	1,5	13400	3300
SDC 49	1250	1,5	1,5	14800	3600
SDC 55	1500	1,5	1,5	16700	3600
SDC 65	2000	2,2	2,2	19700	3600
SDC 68	2200	2,2	2,2	20400	3600

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