

# Klaricell RJ

Dissolved air flotation and sand filtration clarifier



Unique combination of DAF clarification and double media sand filtration achieves excellent water quality in a single continuously operating clarifier.

## Main advantages :

- Gives excellent filtered water quality using double media filter bed with fine sand.
- Accepts high inlet suspended solid concentration - up to 150 mg/l.
- DAF clarification and filter media backwash are operated continuously at the same time.
- Does not require any external tanks for clean water or backwash water storage and further treatment - the water for backwash is provided internally and the backwash water is treated internally.
- Has only one single sludge outlet - filter media backwash sludge is removed and concentrated by flotation up to 1% minimum consistency.

## Main applications :

- Surface water treatment to potable quality.
- Algae removal from water streams for municipal or industrial use.
- Process water preparation.
- Process water recycling.
- Heavy metals removal (Cd, Ni, ...).
- Tertiary treatment.

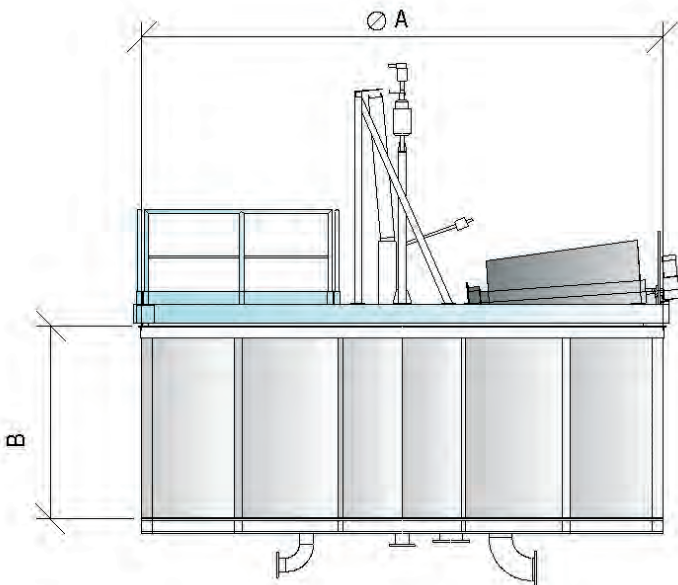
KLARICELL RJ is available in 11 sizes for flows from 120 to 1480 m<sup>3</sup>/h.



KLC 27 - River water treatment for Russian paper mill



KLC 24 - Process water treatment textile industry



\* 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 scoop (kW)	Motor carriage (kW)	ø A (mm)	B (mm)	Weight tons (full of water)
KLC 20	120-200	1,1	1,1	6100	2300	82
KLC 22	145-235	1,1	1,1	6700	2300	98
KLC 24	175-280	1,1	1,1	7300	2300	112
KLC 27	220-360	1,1	1,1	8300	2300	146
KLC 30	260-440	2,2	4	9200	2300	175
KLC 33	320-520	2,2	4	10000	2300	210
KLC 36	370-630	2,2	2,2	11000	2300	255
KLC 40	460-770	2,2	2,2	12200	2300	310
KLC 44	560-920	3	3	13400	2300	375
KLC 49	710-1170	4	4	15000	2300	460
KLC 55	880-1480	4	4	16800	2300	575

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KWI - Headquarters  
 KWI International Environmental Treatment GmbH  
 Auengasse 8 - A-9170 Ferlach - Austria  
 Tel. : +43 4227 3266 - Fax : +43 4227 3449  
 E-mail : office-at@kwi-intl.com



www.kwi-intl.com



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