



DATA SHEET HYDRODYNAMIC SEPARATOR

Manufacturing standards: Materials and structural resistance meet the requirements of BNQ 2622-420

TECHNICAL DATA TABLE

Model	Interior diameter	Total standard height	Height between outlet invert and inner base	Floor area
	mm	mm	mm	m ²
CENTRIBEL-915	915	2,276	1,394	0.66
CENTRIBEL-1220	1,220	2,995	1,859	1.17
CENTRIBEL-1525	1,525	3,693	2,323	1.83
CENTRIBEL-1830	1,830	4,417	2,788	2.63
CENTRIBEL-2140	2,140	5,102	3,260	3.60
CENTRIBEL-2440	2,440	5,814	3,717	4.68
CENTRIBEL-2700	2,700	6,389	4,113	5.73
CENTRIBEL-3000	3,000	7,126	4,570	7.07

Dimensions provided are approximate: refer to shop drawings for the project.

PERFORMANCE

Model	Maximum flow for 60% TSS treatment efficiency	Maximum flow for 80% TSS treatment efficiency ** currently being optimized
	L/S	L/S
CENTRIBEL-915	9.20	0.60
CENTRIBEL-1220	16.36	1.07
CENTRIBEL-1525	25.56	1.67
CENTRIBEL-1830	36.80	2.40
CENTRIBEL-2140	50.32	3.28
CENTRIBEL-2440	65.42	4.27
CENTRIBEL-2700	80.11	5.22
CENTRIBEL-3000	98.90	6.45

** According to the terms specified on the CTEAU technical data sheet (see reverse side)

TECHNICAL DATA SHEET

STORM WATER MANAGEMENT

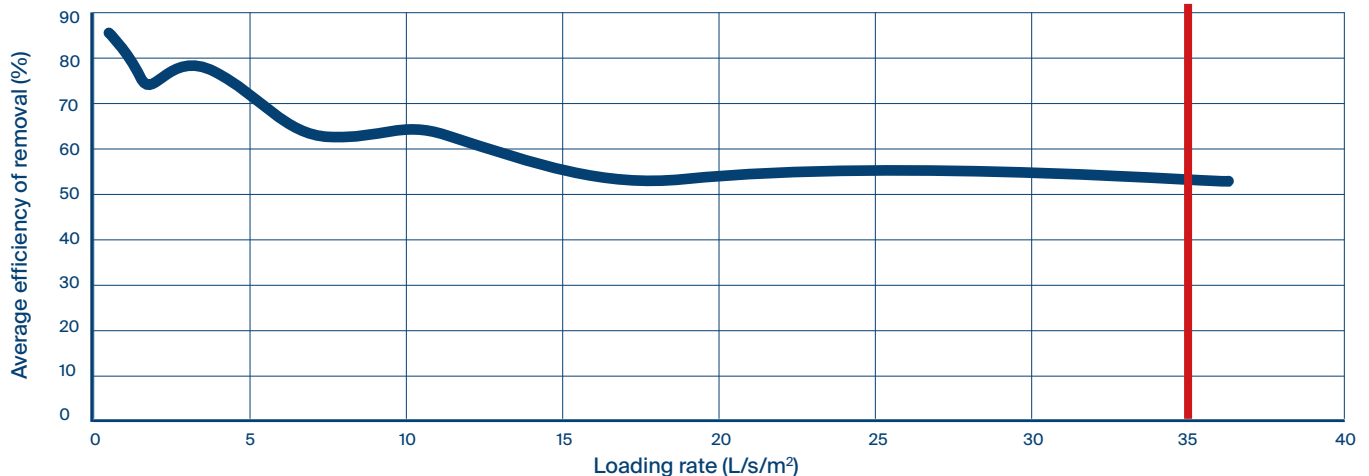
Centre Specialized in Water Technology

TABLE 1 : CHARACTERISTICS OF DIFFERENT MODELS

Model	Interior diameter ⁽¹⁾ (mm)	Floor area (m ²)	Maintenance threshold The minimum height above the sediment at which the water column level must be main- tained at all times ⁽²⁾ (m)	Maximum value of the quality control flow ⁽³⁾ (L/s) to obtain a weighted TSS removal rate of:		Retention rate for polyethylene beads used as substitutes for oils >99 %
				60% ⁽⁴⁾	25% ⁽⁶⁾ (use limit)	
01	915	0.657	0.29	9.198	N/A	N/A

- (1) Depending on the manufacturer. If a model has a different diameter than the one indicated, the flow values shown in the table should be adjusted.
 (2) Corresponds to 85% of the height of the water column tested after the scaling of the tested model. A lower height measurement means that the unit needs to be cleaned.
 (3) The quality control flow is a flow that allows treatment of 90% of precipitation events (see the fact sheet of additional information relative to BMPs and their design).
 (4) With a loading rate of 14 L/s/m² based on graph 1 for a rate of 60%. A loading rate over 14 L/s/m² entails a TSS removal rate of less than 60% (see graph 1).
 (5) With a loading rate of 35 L/s/m². The loading rate during the quality control flow cannot be above this value (see graph 1).
 (6) With a loading rate of N/A L/s/m².

GRAPH 1 : AVERAGE PERFORMANCE OF REMOVAL OF SUSPENDED MATERIAL (TSS) AT DIFFERENT FLOW



Note: This graph is based on analysis testing conducted internally, and does not represent the conclusions of the MELCC.



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