

SEPARATION PROCESSES

ED COAT CRONO TB CELL

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Tubular cells for electrophoretic paints

Tubular CRONO TB cells are manufactured with the use of polymeric membranes having low deformability, low electrical resistance and long life.

CRONO TB cells are available in a whole range of models depending on the length, width, electrode material and chosen optional. Models for ceiling and floor positioning are also available on request.

The electrolyte flowing in the CRONO TB cells is forced to start from bottom of the electrode assuring that all the elements work even when a damage of the electrode occurs.

The positioning of the element in the tank is very easy and NITEROI can supply all the required components to fix it. Very easy is also the substitution of the electrode and this can be done without the need to extract the entire cell from the tank. The standard models are "open top". "Closed top" version is also available on request.

Technical characteristics

- Electrode material: AISI 316 L stainless steel (Option AISI 316 Ti and DSA)
- Electrode thickness: 3 mm
- Membrane typology: Anionic and Cationic
- Current density: 30 ÷ 50 A/m² at 200 ÷ 400 Volts
- Electrolyte flow: 450-500 l/m² per h

	TB1	TB2
Cell diameter	68	78
Electrode diameter	48	60
Electrode m ² /meter	0,15	0,19

Standard specifications

MODEL	ACTIVE LENGTH (mm)	MEMBRANE SURFACE (m ²)	ELECTRODE SURFACE (m ²)
Crono TB1 500	500	0,125	0,075
Crono TB1 1000	1000	0,250	0,150
Crono TB1 1500	1500	0,375	0,225
Crono TB1 2000	2000	0,500	0,300
Crono TB1 2500	2500	0,625	0,375
Crono TB1 3000	3000	0,750	0,450
Crono TB2 500	500	0,142	0,095
Crono TB2 1000	1000	0,284	0,190
Crono TB2 1500	1500	0,426	0,285
Crono TB2 2000	2000	0,586	0,380
Crono TB2 2500	2500	0,710	0,475
Crono TB2 3000	3000	0,852	0,570

NOTE: INTERMEDIATE AND LONGER CELLS ARE AVAILABLE UPON REQUEST

ACCESSORIES

See dedicated technical bulletin.

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