

Soneco[®]

DB Series Reactors



Sono-electrochemical Water Treatment

Physical, Chemical & Oxidative treatment using Sono-electrochemistry

Soneco, Power & Water's patented sono-electrochemical technology, is leading the field in contemporary water treatment



It's very simple

There is no need to transport, store or dose hazardous liquid chemicals – so no risk of spillage. Instead 'reactive reagents' are generated from electrically charged plates; which also reduces the sludge volumes and disposal costs.



Treatment is direct

An economic and technically perfected alternative to liquid-chemical dosing. Treatment reagents and oxidative radicals are precisely metered into the process stream by varying an electric current at a controlled rate.



Reassuring to know

Intelligent and web-based software ensured efficient, effective and real-time treatment and control under changing load conditions. Delivered as a factory-built and tested solution offering reliability and low maintenance.



Power & Water

Purification through Innovation

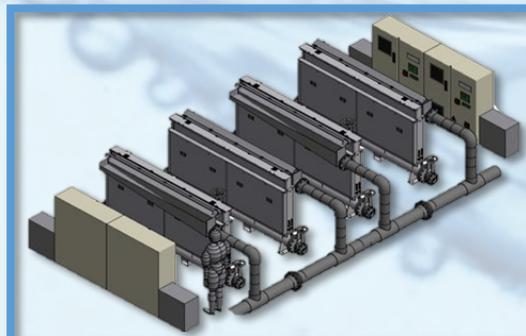
Technical Specifications

PARAMETERS AND SPECIFICATION				
Process	Sono-electrochemistry (combined electrolysis and power ultrasound)			
Electrode Material (s)	Aluminium	Iron	Mixed Metal Oxide	Magnesium
Design	Continuous; Batch; Plug flow modular design includes Series/Parallel.			
Flow Rates m ³ hr ⁻¹ (application dependent)	DB1	DB2	DB4	
	Up to 10m ³ hr ⁻¹	Up to 20m ³ hr ⁻¹	Up to 40m ³ hr ⁻¹	
Reactor Weight kg (approx. without water)	DB1	DB2	DB4	
	210 kg	330 kg	880 kg	
Dimensions mm (L x W x H)	DB1	DB2	DB4	
	1035 x 400 x 1554	1675 x 400 x 1554	2950 x 400 x 1554	
Operation	ON/OFF; Local and/or External Relay or PLC/ Automatic or Web-enabled Software Control for changes in water quality.			
Power Supply	3P + N + E; 400 VAC; 50-60Hz			
Connections (inch)	Inlet	Outlet	Overflow	
	6" BSP PN16 Flange	6" BSP PN16 Flange	6" BSP PN16 Flange	
Construction	316L Stainless Steel Reactor (Mild Steel Powder Coat Cabinet and Skid frame on request)			
Conformity	BS 7671:2018 (Electrical Installation); BS EN 61439-2:2011 Low Voltage switchgear and control gear assemblies Part 2: Power switchgear and control gear assemblies BS EN 60204-1 (Safety of machinery); BS EN 61000-6-3 (EMC); CE; UL; ec-UL; WIMES compliant; Full electrical isolation			
EEXD, EEXIA	On request			

Retro-fit Installation



Typical WwTW Installation



Stand-alone Reactor & PSU

