

Balmoral HydroClear™

Sewage treatment plant

Raising the benchmark for treatment plant across the EU

An aerated biological system, the HydroClear benefits from a moving bed biological reactor, or MBBR, at its core. A new process in the package wastewater market, MBBR technology embraces the benefits of common fixed film media processes without suffering their common downfalls.

Overgrowth of bacteria leading to 'channelling' is an issue with common process designs such as submerged aerated filters (SAF), rotating biological contactors (RBC) or trickling filter (TF) designs.



Tank pop size	Tank 1						Tank 2						Tank 3						
	A Length	B Width	C Height	D Install depth	E Inlet depth	F Outlet depth	A Length	B Width	C Height	D Install depth	E Inlet depth	F Outlet depth	A Length	B Width	C Height	D Install depth	E Inlet depth	F Outlet depth	
6 pop	3400	1250	2385	2200	690	740													
12 pop	4500	1400	2330	2150	690	740													
20 pop	5680	1400	2330	2150	690	740													
30 pop	4500	1400	2330	2150	690	740	4500	1400	2330	2150	740	740							
40 pop	4500	1400	2330	2150	690	740	5680	1400	2330	2150	740	740							
50 pop	5680	1400	2330	2150	690	740	4500	1400	2330	2150	740	740	3400	1250	2385	2200	740	740	

Unrivalled performance

An astonishing pollutant removal level of 97%

Easy, cost effective installation

The 6-pop model can be installed using a 2.5-tonne mini-digger

Wide range of models

6, 12, 20, 30, 40 and 50 population models available

Maintenance-friendly

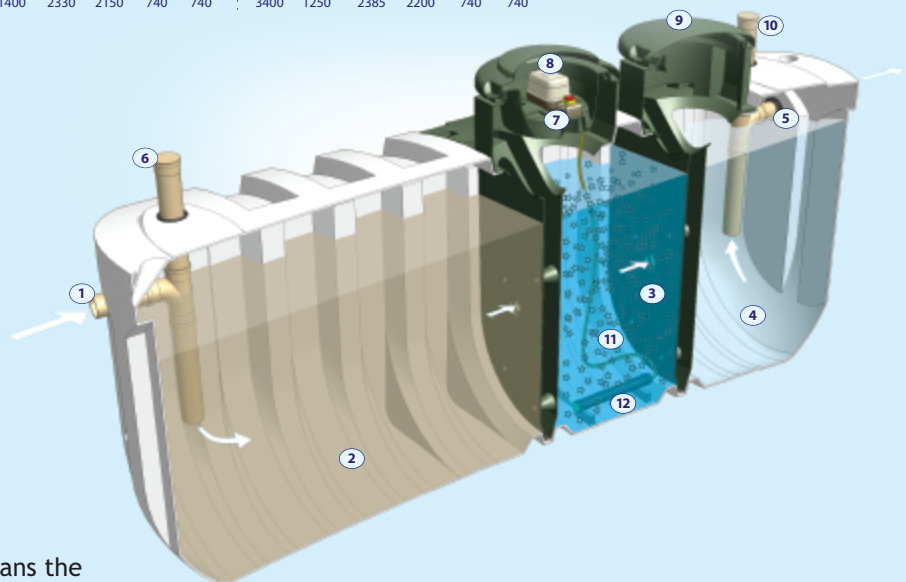
Desludging and maintenance easily accessed at ground level

Odour minimisation

Market-leading BOD performance means the HydroClear is practically odour-free

Low carbon footprint shipping

Space saving design means cost-effective shipping and storage



- 1 : 110-160mm inlet depending on model
- 2 : Primary settlement chamber
- 3 : Aeration chamber
- 4 : Final settlement chamber
- 5 : 110-160mm outlet depending on model
- 6 : 160mm capped lid: desludge point
- 7 : Electrical isolator switch
- 8 : Air compressor with warning system (240V)
- 9 : 600mm manway lid: bolted down and sealed
- 10 : 160mm capped lid: desludge point
- 11 : Bio media
- 12 : Bubble diffuser

CHF SUPPLIES

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