

Biofiltration

Fluid Sand Tower

Fluid Sand Towers (FST's) utilise the most efficient method of aerobic biological filtration available and thereby occupy a very small footprint.

- Biosystems FST's fluidise uniformly and quickly due to a specially designed sand diffuser bowl, used in conjunction with the carefully graded filter media.
- Includes a unique anti-siphon device which guarantees that in the event of a power/flow interruption, no media will back-siphon into the supply pipework.
- Lower section manufactured from impact resistant Polypropylene, and the top section from clear acrylic to enable easy determination of the operating run level.
- All units come complete with supply pipe work, oolitic sand, replaceable sand diffuser bowl and top-flow sight glass.
- It is advisable to discharge the outlet flow from the FST into a Re-Gas/ Bio-Tower.



Fluid Sand Tower

Code	Product	Material	Inlet/Outlet Connections	Bio-media Type	Media Mass (kg)	Recommended Flow rate		Maximum System Volume at application level 3 (L)	Maximum Livestock Mass at application level 3 (kg)	Dimensions l x dia. x h (mm)	Approx Shipping Weight (kg)
						l/min	m ³ /hr				
7911N	5200 A/P	Acrylic-PP	1 1/2"/2"	Oolitic Sand	15	78	4.7	10.000	35	375 x 255 x 1660	25
7919	5280 A/P Compact	Acrylic-PP	2"/2"	Oolitic Sand	30	145	8.7	20.000	70	430 x 355 x 1750	40
7913N	5280 A/P	Acrylic-PP	2"/3"	Oolitic Sand	45	212	12.7	30.000	105	500 x 355 x 2750	55



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