

TMC Fluidised Sand Bed Filters

TMC Fluidised Sand Bed Filters utilise the most efficient method of aerobic biological filtration available. Process water enters the filter at the base of the unit and is pumped up through a bed of sand, 'fluidising' the media which provides a very high water to media contact area. The specially designed sand diffuser bowl, in conjunction with the carefully graded filter media, means that TMC Fluidised Sand Bed Filters fluidise uniformly and quickly at minimum water pressure to utilise the high surface area of the filter sand for highly efficient biological filtration.

Filtered water leaves under gravity at the top of the unit at which point the flow may be diverted to supply another non-pressurised filtration unit, such as a protein skimmer or re-gas/bio-tower, or simply allowed to return to the reservoir.

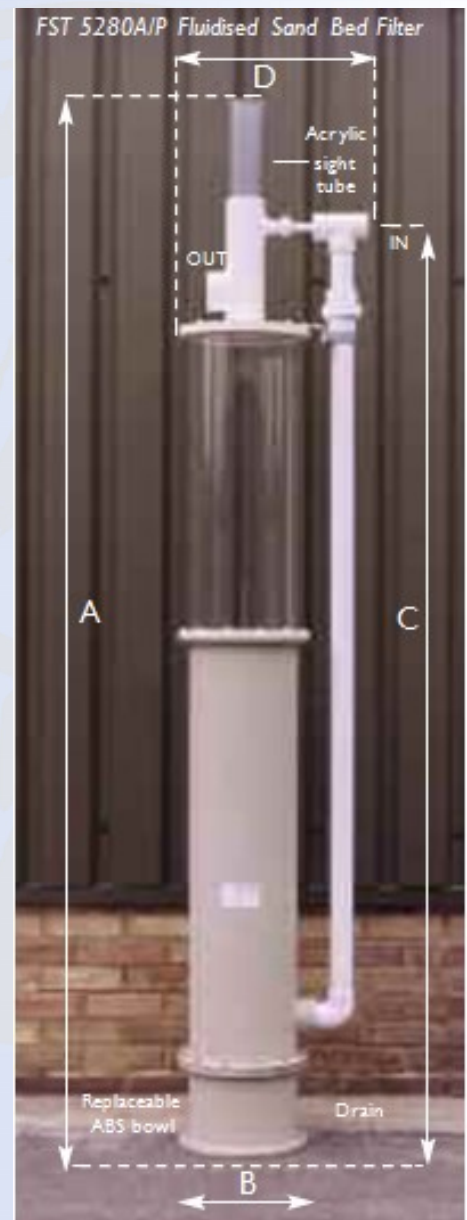
Non pressurised units must discharge above water level.



	Dimensions (mm)			
	A	B	C	D
5200A/P	1660	255	1400	375
5280 A/P Compact	1750	355	1530	430
5280A/P	2750	355	2375	500
FSTP 5200P	1650	255	1400	375

All units come complete with supply pipe work including an anti-siphon device, grade #2 oolitic sand, ABS replaceable sand diffuser bowl and top flow sight glass (non-pressurised units only).

All TMC Fluidised Sand Bed Filters feature our unique, flexible double o-ring inlet boss system for easy servicing and the simple removal and replacement of pipework and components.



TMC Fluidised Sand Bed Filters incorporate 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.

If this were to occur, the sand filter would have to be completely stripped down and re-commissioned, usually resulting in the sand's bio film becoming unviable.



Code	Grp	Product	Material	Inlet/Outlet Connections	Bio-media Type	Media Mass (kg)	Recommend Flow rate		Maximum system Volume at application level 3 (L)	Maximum Livestock Mass at application level 3 (kg)	Approx Shipping Weight (kg)
							L/Min	m ³ /hr			
7911N	FI	FST5200A/P Fluidised Sand Filter	Acrylic-U-PVC	1 1/2"/2"	Oolitic Sand	15	78	4.7	10,000	35	25
7919	FI	FST5280P COMPACT	Acrylic-U-PVC	2" / 2"	Oolitic Sand	30	145	8.7	20,000	70	40
7913N	FI	FST5280P Fluidised Sand Filter	Acrylic-U-PV	1 1/2"/3"	Oolitic Sand	45	212	12.7	30,000	105	55
7912	FI	PFST5200P Fluidised Sand Filter	White polypro/ U-PVC	1 1/2"/2"	Oolitic Sand	15	78	4.7	10,000	35	25

TMC Commercial

Solesbridge Lane
 Chorleywood
 Herts WD3 5SX, UK
 Tel: +44 1923 284151
 Fax: +44 1923 285840

Distributed by: