



### Technical Info.

Population Equivalent	6,000-10,000
Maximum flow per SMART unit:	80 l/s
Hydraulic loss at maximum flow:	130mm without weir box, approx. 250mm with weir box
Width of outlet weir (optional):	700mm
Head over weir at maximum flow:	170mm
Weight (kg)	i) Dry load - 6,300kg ii) In service - 14,200kg
Dimensions (mm)	4,692 - 4,962 (L), 2,600 (W), 2,440 (H)
Motor rating (kW)	2.2
Air sparge	1Nm <sup>3</sup> /min at 250mbar (intermittent, 1-2 mins/day)
Instrument options	Self cleaning dissolved oxygen meter

### Terminations

Inlet:	350mm dia. flange to PN16
Outlet:	350mm dia. flange to PN16
Optional outlet weir box:	324mm O/D spigot pipe
Air sparge:	50mm flange to PN16



### Materials

Item	Material	Coating
Tank	10mm carbon steel plate	ISO 12944/WIMES compliant
Rotating assembly	Carbon steel	Rilsan PA11
Rakes	304 Stainless steel	N/A
Mesh	Proprietary high voidage plastic mesh	N/A
Gearbox	Cast iron	Modified Epoxy
Cover	GRP	Gelcoat / Flowcoat

### Technical Standards

Conforms to Supply of Machinery (Safety) Regulations 2008, Electrical Equipment (Safety) Regulations 2016, Electromagnetic Compatibility Regulations 2016, BS EN ISO 12100:2010, BS EN 60204-1:2018, BS EN 61000-6-2:2019 and BS EN 61000-6-4:2019

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