



Technical Info.

Population Equivalent	6,000-10,000
Maximum flow per SMART unit:	80 l/s
Hydraulic loss at maximum flow:	50mm without weir box, approx. 250mm with weir box
Width of outlet weir (optional):	500mm
Head over weir at maximum flow:	170mm
Weight (kg)	i) Dry load - 6,300kg ii) In service - 14,200kg
Dimensions (mm)	4,950 (L), 2,290 (W), 2,440 (H)
Motor rating (kW)	2.2
Air sparge	1Nm ³ /min at 250mbar (intermittent)
Instrument options	Self cleaning dissolved oxygen meter

Terminations

Inlet:	300mm dia. flange to PN16
Outlet:	300mm 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 Machinery Directive 2006/42/EC,
Low Voltage Directive 2006/95/EC,
EMC Directive 2004/108/EC, EN ISO 12100:2010,
EN 60204-1:2006 & A1:2009, EN61000-6-2:2005
and EN61000-6-4:2007

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