

# ATAC LAMELLA

## Specifications

atac



ATAC manufacture a range of several lamella settlement tanks of which the ATL 23, ATL 36 and ATL 50 are the most popular sizes, however we can make special sizes if required.

They are all manufactured in Stainless Steel 304 and painted green.

The lamella tanks have a single hopper below the lamella plates. This is fitted with an external mounted manual desludge valve, at the base of the hopper.

The lamella effluent trough is fitted down the centreline of the tank to ensure that the upward flow passes evenly into the collection trough maximising solids removal efficiency.

Manual descum bellmouth's are installed to remove any floating debris.

The Lamella units match up with our range of SAF plants and can be used as primary settlement tanks or Humus settlement tanks.

We have an automated desludge system which can be fitted to the hopper which enables regular desludging and replicates how an operator would desludge the unit manually.

The lamella tanks can be fitted with an external access platform to facilitate cleaning by hosing at intervals.



atacsolutions.com



01622 882400

AERO-MOD<sup>®</sup>



ED<sup>®</sup>



EOSI<sup>™</sup> < MITAwt ><sup>™</sup>

NAPIER-REID<sup>®</sup>



Nexom<sup>®</sup>



Axius Water companies

# ATAC LAMELLA

## Specifications



Specification	ATL36	ATL50	ATL100
Tank Material	304 Stainless Steel	304 Stainless Steel	304 Stainless Steel
Tank Construction	Fully Welded Construction – suitable for above ground installation		
Tank Colour	Self Colour or Painted (Standard Colour = 12-B-29)		
Inlet Connection	1 No. PN16 DN150 Stainless Steel Spinning Flange		2 No. PN16 DN150 Stainless Steel Spinning Flange
Outlet Connection	1 No. PN16 DN150 Stainless Steel Spinning Flange		2 No. PN16 DN150 Stainless Steel Spinning Flange
Drain/Sludge Draw Off	1 No. PN16 DN100 Stainless Steel Spinning Flange		2 No. PN16 DN150 Stainless Steel Spinning Flange
Tank Treatment Layout	1 Zone – Modular Tubular Media		
Effluent Flow	Upwards through the lamella media	Upwards through the lamella media	Upwards through the lamella media
Dry Weight	1,900 kg	2,000 kg	3,200 kg
Operational Weight	10,500 kg	12,200 kg	23,600 kg
Height	3.6m (Inlet Invert @ 3.372m)	3.6m (Inlet Invert @ 3.372m)	3.6m (Inlet Invert @ 3.372m)
Length (Overall)	3.411m	3.411m	3.411m
Width (Overall)	1.670m	1.970m	3.768m
Lamella Media Type	FS41.50	FS41.50	FS41.50
Lamella Projected Area	36m <sup>2</sup>	50m <sup>2</sup>	100m <sup>2</sup>
Maximum Design Flow	up to 10 l/sec	up to 14 l/sec	up to 28 l/sec
Hydraulic Loading Rate	0.5-1.2m/hr	0.5-1.2m/hr	0.5-1.2m/hr
The hydraulic rise rate varies depending on whether the unit is operating in primary or humus tank duty, with a higher rate applicable for primary tank operation.			
Plate Slope	55°	55°	55°
Lamella Pitch	45mm	45mm	45mm
Sludge Storage	1.06m <sup>3</sup>	1.26m <sup>3</sup>	2.52m <sup>3</sup>
Auto Desludge Actuator (Optional Extra)	1 No. Rotork IQT250 Actuator with Battery Backup, CPT board for position control		2 No. Rotork IQT250 Actuator with Battery Backup, CPT board for position control
Walkway (Optional extra)	Galvanised Mild Steel cantilevered walkway, complete with ship type ladder and mesh infill panels		
Control Panel	Application-dependent		
Power Supply	1ph – 16A Supply	1ph – 16A Supply	1ph – 16A Supply

Other sizes can be built on request.