

# ATAC LAMELLA

## Specifications



ATAC manufactures a range of lamella settlement tanks, of which the ATL36, ATL50, and ATL100 are the most popular sizes. However, bespoke sizes can be manufactured depending on specific requirements.

The lamella tanks are constructed from stainless steel 304 and can be painted to suit customer preferences. Each tank consists of a single hopper located below the lamella plates to collect settled solids. The base of the hopper is fitted with an externally mounted valve to allow manual desludging of the tank.

The lamella effluent trough is fitted down the centerline of the tank with v-notch weir plates to ensure that the upward flow of the supernatant passes evenly into the collection trough, maximising solids removal efficiency. A descum bellmouth is installed just below the top water level to enable manual removal of any floating scum by operating the descum valve.

The lamella units can offer a stand-alone solution or be matched with ATAC's range of SAF tanks as part of a modular system. They can be used as either primary settlement tanks or final/humus settlement tanks.

ATAC offers an automated desludge system consisting of progressive cavity pumps or actuated valves which can be fitted to the hopper of the lamella. This enables adjustable, automatic desludging and eliminates the need for an operator to manually desludge the lamella. The lamella tanks can be fitted with an external access platform to facilitate visual inspections and plate cleaning.

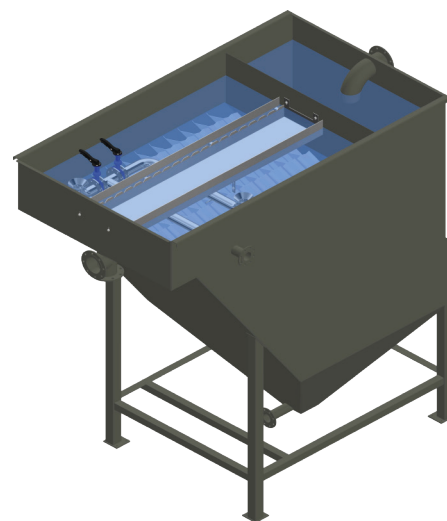
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*Axius Water companies*

# ATL50A Lamella Unit



Tank Material	304 Stainless Steel
Tank Construction	Fully Welded Construction – suitable for above and below ground installation
Tank Colour	Self Colour or Painted (Standard Colour = 12-B-29)
Tank Connections	INLET – 1 No. DN150 Stainless Steel Flange, drilled to BS4504 PN16
	OUTLET – 1 No. DN150 Stainless Steel Flange, drilled to BS4504 PN16
	DRAIN/SLUDGE DRAW OFF – 1 No. DN100 Stainless Steel Flange, Drilled to BS4504 PN16
Walkway – Cantilevered (Optional Extra)	Galvanised Mild Steel cantilevered walkway, complete with access stairs and mesh infill panels
DRY Weight	2,000 kg
OPERATIONAL Weight	12,200 kg
Height	3.6m (Inlet Invert @ 3.372m)
Length	3.4m (not including pipework brackets)
Width	1.8m (Internal); 1,97m (External)
Projected Plate Pack Area	50m <sup>2</sup>
Maximum Design Flow	Up to 14 l/sec
Hydraulic Rise Rate	0.5m/hr - 1.2m/hr
Plate Slope	55°
Desludge Valve	1 No. 4" Gate Valve
Sludge Holding Volume	0.5m <sup>3</sup> -0.75m <sup>3</sup>
Auto Desludge Actuator (Optional Extra)	1 No. Rotork IQT125 Actuator with Battery Backup, CPT board for position control
Control Panel (Optional Extra)	Depends on site requirements