

How a Tricel Novo Works:

Stage 1: The primary settlement chamber

In the first stage of sewage treatment, anaerobic breakdown takes place in the primary settlement chamber. The wastewater is introduced and the solids drop to the bottom, becoming separated from the liquid.

Stage 2: The aeration chamber

The next stage of the wastewater treatment involves aerobic breakdown. This takes place in the aeration chamber, where masses of naturally occurring bacteria inhabit specially designed filter media.

These bacteria are sustained with air, which is continuously supplied from a purpose-built pump in the unit's top section. As the liquid flows slowly through the filter media, the bacteria feed on the waste and remove it from the liquid.

Stage 3: Final settlement chamber

In the last stage of wastewater treatment, the liquid flows from the aeration chamber into the final settlement chamber. Suspended sludge consisting of bacteria is carried with the liquid into the settlement chamber and settles to the bottom of the chamber.

From there, a continuous sludge return system pumps it back to the primary settlement chamber. The remaining treated liquid now meets the required standard to be safely passed out of the Tricel system.

Specification:

Model:	NOVO UK18
No. of People:	6-18
Length (mm):	4600
Width (mm):	1640
Height (mm):	2270
Nominal Inlet / Outlet Diameter (mm):	110
Weight (empty) Kg:	500
Inlet Invert To Base (mm):	1375
Outlet Invert To Base (mm):	1300
Inlet Invert To Ground Level (mm):	535
Air Blower Rating (watts):	215
Warranty Blower / Tank Structure (years):	3 / 20
BOD5 (mg/l):	11
SS (mg/l):	16
NH4-N (mg/l):	8