



# OVIVO ANAMMOPAQ® & PHOSPAQ™ PILOT BRIEF

Combining two technologies to maximize a sustainable effluent treatment at low total cost of ownership.



The pilot plant is proposed to confirm treatability of the subject wastewater stream containing Ammonia and Phosphorus. The unit can be operated under different conditions and in different configurations. It is containerized and complete with automation and controls ensuring reliable results. Biomass behavior can be analyzed and different loading rates can be applied so that relevant operating data for scale-up is produced.

## PILOT PLANT OVERVIEW

The pilot plant unit comprises of the following main units:

- PHOSPAQ™ for phosphate removal or recovery in the form of struvite
- ASTRASEPARATOR™ for removal of settleable solids
- ANAMMOPAQ® for ammonium removal to nitrogen gas
- Compressors
- Pumps
- Control units for temperature, pH control unit, nitrite analyzer and
- PLC-unit for fully automated operation.

The oxidation tank can be operated as a PHOSPAQ® struvite reactor to oxidize COD and remove PO<sub>4</sub>-P via precipitation of magnesium-ammonium-phosphate. A settler is installed to remove influent suspended solids (TSS). These process units can be used in combination or separately via installed bypasses, based on influent characteristics. The pilot unit is constructed within a stainless-steel frame, mounted on trolleys and installed in a 20' container.



Figure:1 ANAMMOPAQ® Pilot Container



## INLET & OUTLET

Influent Flow Rate	Max: - 3,000 L/h Min: - 2,400 L/h
Effluent Flow	Free flow, outlet point 22" above ground level

## PLACEMENT

Location	Water levelled
Dimensions (20' Sea Container)	233" L x 92" W X 94" H
Weight	11,020 lb (5,000 kg)

## POWER SUPPLY

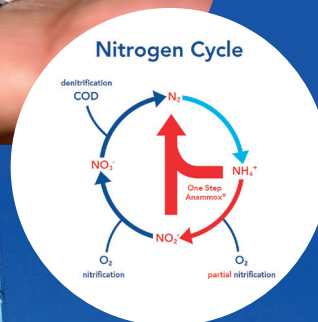
U	380 Volt (ph, neutral and earth)
I	64
Weight	50 – 60 Hz

## INTERNET CONNECTIVITY

Ethernet Connection	Inside pilot
SIM	

## INLET & OUTLET

Influent waste water supply	Connected to pilot, ½" nozzle
Effluent waste water disposal	Connected to pilot. 2" nozzle



For more information contact your local Water Treatment Expert at the number below



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