

**European Technical Assessment****ETA 13/0078**  
of 03/04/2023

## General Part

**Technical Assessment Body issuing the  
European Technical Assessment:**

RISE Research Institutes of Sweden AB

**Trade name of the construction product**

Aquatron sewage separator

**Product family to which the construction  
product belongs**

Sewage separator

**Manufacturer**Aquatron International AB  
Ekebyvägen 4, 725 92 Västerås, Sweden**Manufacturing plant(s)**

Factory site CPX

**This European Technical Assessment  
contains**

4 pages

**This European Technical Assessment is  
issued in accordance with regulation  
(EU) No 305/2011, on the basis of**EAD 180040-00-0704 Sewage Separator  
Inside Building**This version replaces\***ETA 13/0078, version 01, issued on  
11/03/2013

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Specific parts

## 1 Technical description of the product

A sewage separator that use water flow, centrifugal force and gravity to separate feces and paper from sewage water. The sewage separator is made of PE (polyethylene).

The inlet to the sewage separator is DN110, outlet for liquid is DN50 or DN110.

The sewage separator is designed to provide an access to the inlet and/or outlet areas for routine maintenance and cleaning.

## 2 Specification of the intended use(s) in accordance with the applicable European Assessment Document (hereinafter EAD)

To separate water and urine from solid waste in sewage water. The Separator is used inside buildings placed on top of a bio composting chamber connected TO 1-10 WCs. The separator shall only be connected to WCs with integral water trap. The separated liquid is connected to a pipe that is intended to take care of water and urine. The extent to which the separator separates solids, is determined by the hydraulic efficiency. The hydraulic efficiencies depend on the length and dimension of the discharge stack, the length and dimension of the stack offset and the inclination of the stack offset. To achieve a proper function and hydraulic efficiency each installation must follow the manufacturer's installation instruction. The Bio composting chamber is not included in this product.

## 3 Performance of the product and references to the methods used for its assessment

### 3.1 Essential characteristics and their performance

		Characteristic	Performance
BWR 2	Safety in case of fire	Reaction to fire	No performance assessed
BWR 3	Hygiene, health and the environment	Hydraulic efficiency	Hydraulic efficiency, water 99 % Hydraulic efficiency, toilet paper 100% Hydraulic efficiency, solid material 100%
		Watertightness	Watertight at 0,3 bar.
BWR 4	Safety in use	Design	The internal and external surfaces of separator are smooth, free from blistering and impurities and the inlet and outlet pipes are cleanly cut.
BWR 5	Protection against noise	Noise level	No performance assessed
	Aspects of durability linked with the Basic Works Requirements	Durability	Durable

#### **4 Assessment and verification of constancy of performance (hereinafter AVCP) system applied, with reference to its legal base**

According to the decision 2004/663/EC - Commission decision of date 20 September 2004, published in the Official Journal of the European Union (OJEU) L302/6 of 29/09/2004, of the European Commission the system of assessment and verification of constancy of performance (see Annex V to the regulation (EU) No 305/2011) given in the following table apply:

<b>Product(s)</b>	<b>Intended use(s)</b>	<b>Level(s) or class(es)</b>	<b>System(s)</b>
separators	To separate water and urine from solid waste in sewage water	-	4

#### **5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD**

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at RISE.

Issued in Borås on 03.04.2023  
By RISE Research Institutes of Sweden AB



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