ETA-Danmark A/S
Göteborg Plads 1
DK-2150 Nordhavn
Tel. +45 72 24 59 00
Fax +45 72 24 59 04
Internet www.etadanmark.dk

Authorised and notified according to Article 29 of the Regulation (EU) No 305/2011 of the European Parliament and of the Council of 9 March 2011

European Technical Assessment ETA-16/0418 of 17/06/2016

I General Part

Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark A/S

Trade name of the construction product:	PURUS miniMax
Product family to which the above construction product belongs:	Trap with partially mechanical closure, mounted in a non-trapped gully
Manufacturer:	Purus ab Södergatan 7 S-27521 Sjöbo Tel. +46 416 257 00 Fax +46 416 257 20
Manufacturing plant:	Purus ab Södergatan 7 S-27521 Sjöbo
This European Technical Assessment contains:	10 pages including 4 annex which form an integral part of the document
This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of:	EAD 180008-00-0704 for TRAPPED GULLY – REMOVABLE – MECHANICAL CLOSURE
This version replaces:	The ETA with the same number issued on 2010-11-23 and expiry on 2015-11-23

II SPECIFIC PART OF THE EUROPEAN TECHNICAL ASSESSMENT

1 Technical description of product and intended use

Technical description of the product
The PURUS miniMax Kit consists of a trap with partially mechanical closure, mounted in a non-trapped gully.

The trap, PURUS miniMAX, (see Figure 1 in Annex 1) is made of polypropylene and designed as a bottle trap with a dip tube, but contrary to an ordinary bottle trap the bowl is loosely fixed to the dip tube by means of a spring which is designed in such a way that the trap in unused condition is closed (see Figure 1 in Annex 1) The spring is made of stainless steel 1.4310 according to EN 10270-3.

When water runs into the gully the imposed water weight will move the bowl downwards and open the trap (see Figure 2 in Annex 1).

When no water is running into the gully, the bowl will by means of the spring return to the top position, close the trap and supply a mechanical seal in addition to the water seal.

The gully is made of plastic with a horizontal outlet (see Figure 2 in Annex 1).

2 Specification of the intended use in accordance with the applicable EAD

The trapped gully is for use in buildings for domestic waste water and designed for installation in concrete floors with a watertight covering of PVC or ceramic tiles.

The **grating** is **Sil P130** (both made of polypropylene) (see Figure 4 in Annex 3).

A **clamping ring**, **KL**, (see Figure 5 in Annex 4) is used for installation in floors with watertight covering of PVC.

The trapped gully ensures that:

- No gases or foul air will enter the room if the water in the water seal evaporates
- No insects or similar can enter the room via the drainage system.

The provisions made in this European Technical Assessment are based on an assumed intended working life of the kit of 25 years.

The indications given on the working life cannot be interpreted as a guarantee given by the producer or Assessment Body, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

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

Characteristic	Assessment of characteristic
3.2 Safety in case of fire (BWR2)	
Reaction to fire	**Euroclass F**
3.3 Hygiene, health and the environment (BWR3)	
Water tightness	The kit is **watertight** according to EN 1253-1
Tightness for sheet floor covering and/or membrane	When fitted with KL clamping ring, the kit is **watertight** according to EN 1253-1
Odour tightness	The kit is **odour tight** according to EN 1253-1
Blockage prevention	The kit has **sufficient blockage prevention** according to Annex 4 of the EAD
Access for cleaning	The kit has **sufficient provision for cleaning** and rodding the outlet systems leading to and from the kit, according to EN 1253-1
Water through the grating	The **flow rates through the grating** fulfil the requirements in EN 1253-1
Water through the grating and side inlets	The **flow rates through the grating and side inlets** fulfil the requirements in EN 1253-1
Water through the side inlet	The **flow rates through the side inlets** fulfil the requirements in EN 1253-1
3.4 Safety and accessibility in use (BWR4)	
Loading strength	The kit has the following loading strength classes according to EN 1253-1: **K3 for grating PURUS Sil P130**
Mechanical strength for clamping ring	**KL clamping ring** has **sufficient mechanical strength** according to EN 1253-2, clause 10.4.2 and EN 1253-1, clause 8.10.2
Apertures in gratings	The kit fulfils the requirements to **permissible apertures dimensions** according to EN 1253-2, clause 6 and EN 1253-1, clause 8.5
Mechanical durability	The spring is made of stainless steel 1.4310 according to EN 10270-3. The spring fulfils the requirements of > 350 000 stress cycles according to the EAD and the spring has a sufficient mechanical durability.
Temperature cycling	The kit has **sufficient resistance to temperature cycling** according to EN 1253-2, clause 9.1 and EN 1253-1, clauses 8.8.1 and 8.8.2
3.8 Sustainable use of natural resources (BWR7)	No performance determined

Aspects related to the performance of the product

The European Technical Assessment is issued for the product on the basis of agreed data/information, deposited with ETA-Danmark, which identifies the product that has been assessed and judged. Changes to the product or production process, which could result in this deposited data/information being incorrect, should be notified to ETA-Danmark before the changes are introduced. ETA-Danmark will decide whether or not such changes affect the ETA and consequently the validity of the CE marking on the basis of the ETA and if so whether further assessment or alterations to the ETA, shall be necessary.

The performance of the watertight membrane kit results from the characteristic values and categories.

The supplementing statements of the manufacturer stated in the MTD for design and application of the kit shall be considered

The performance of the kit can be assumed only, if the following aspects are considered:

- only those components which are specified components of the kit can be used,
- the appropriate tools shall be used and adjuvant, precautions shall be taken,

It is the manufacturer's responsibility to make sure that all those who utilize the kit will be appropriately informed about the specific conditions according to this ETA and the not confidential parts of the MTD deposited to this ETA

4 Attestation and verification of constancy of performance (AVCP)

4.1 AVCP system

According to the decision 2000/273/EC of the European Commission as amended, the system(s) of assessment and verification of constancy of performance (see Annex V to Regulation (EU) No 305/2011) is 4.

5 Technical details necessary for the implementation of the AVCP system, as foreseen in the applicable EAD

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at ETA-Danmark

Issued in Copenhagen on 2016-06-17 by

Thomas Bruun
Managing Director, ETA-Danmark

.

Annex 1

Figures 1 and 2 Schematic diagrams showing the principle of the spring in the trap

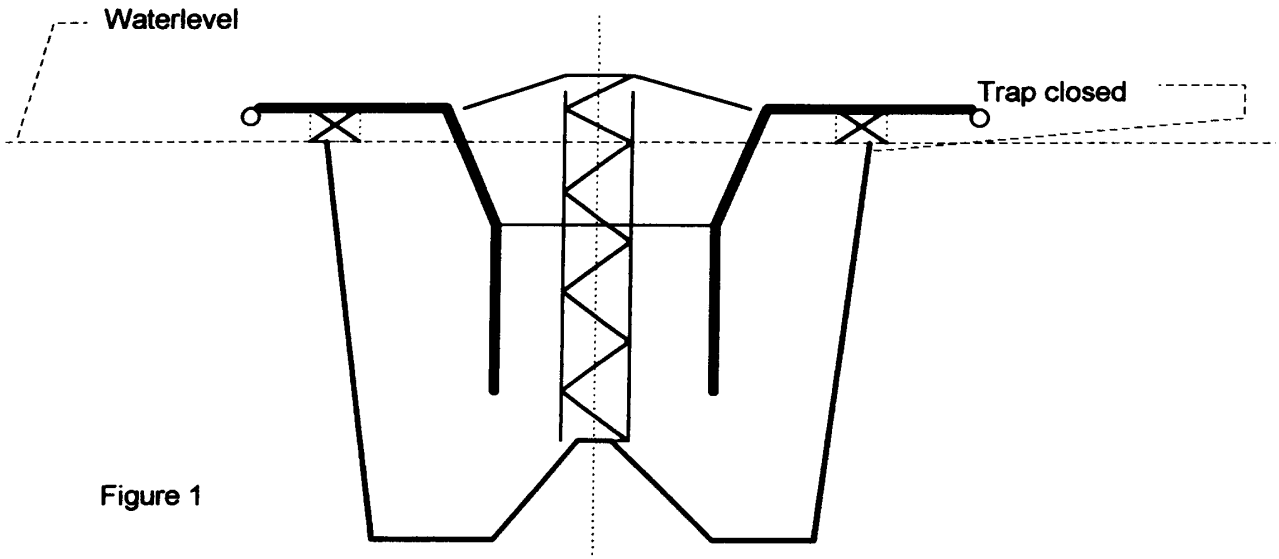
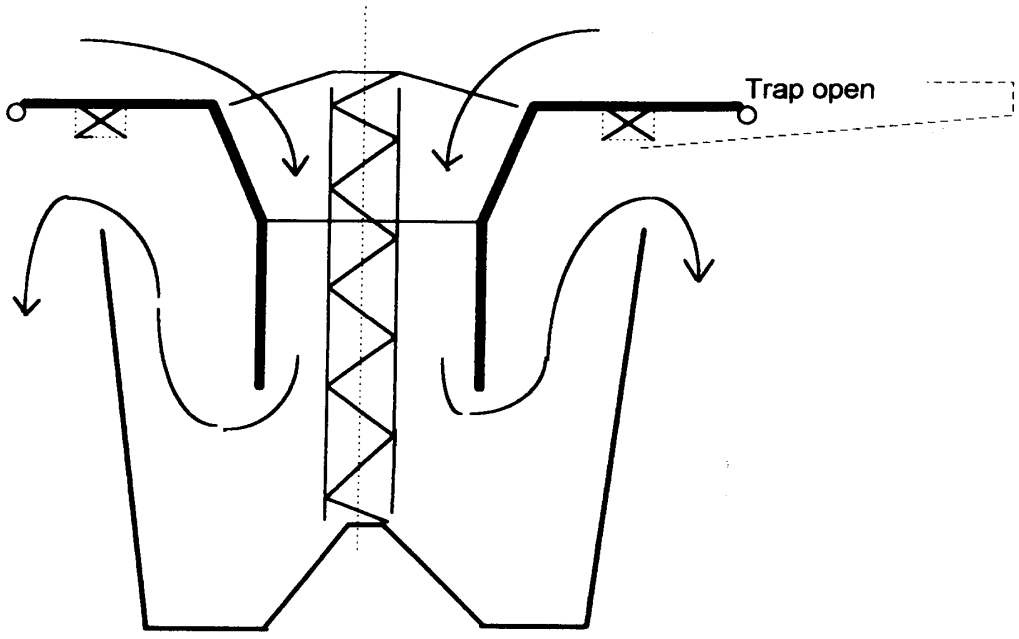


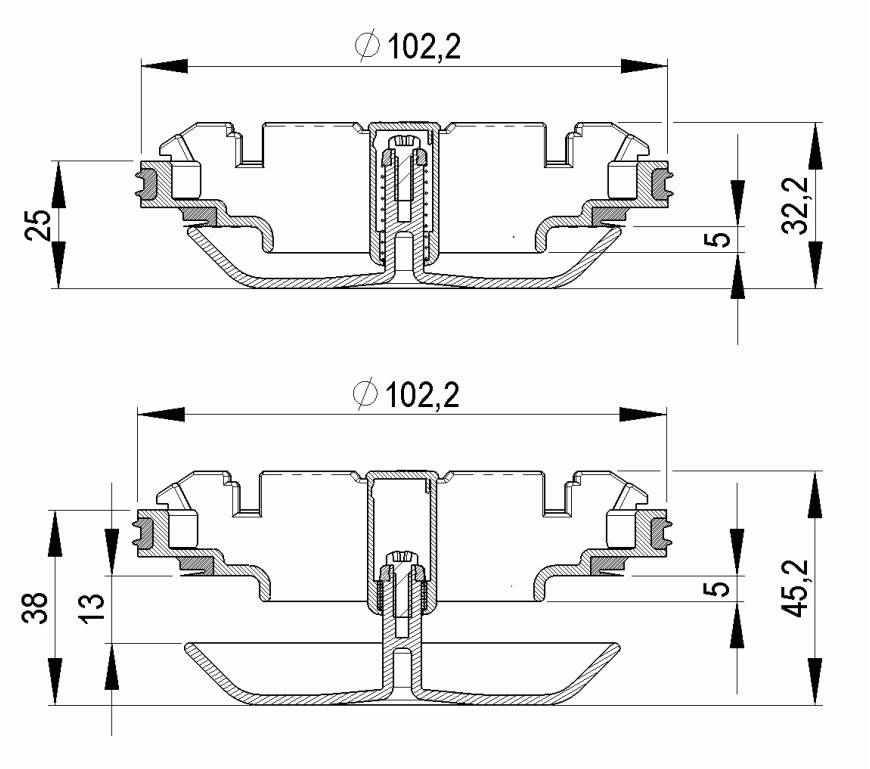
Figure 1

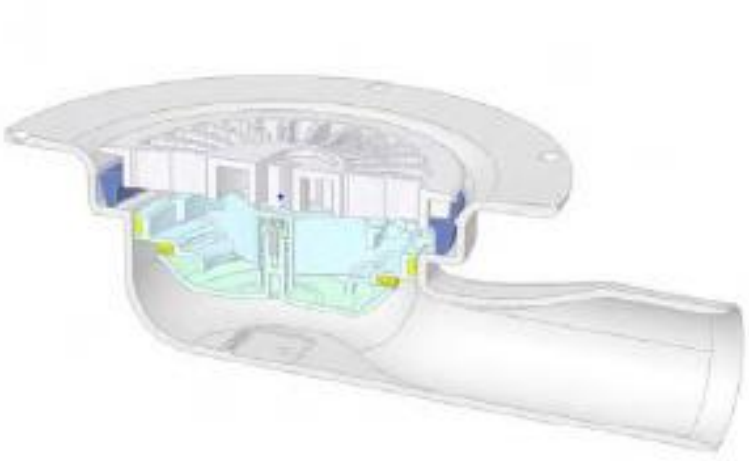
Figure 2



Annex 2

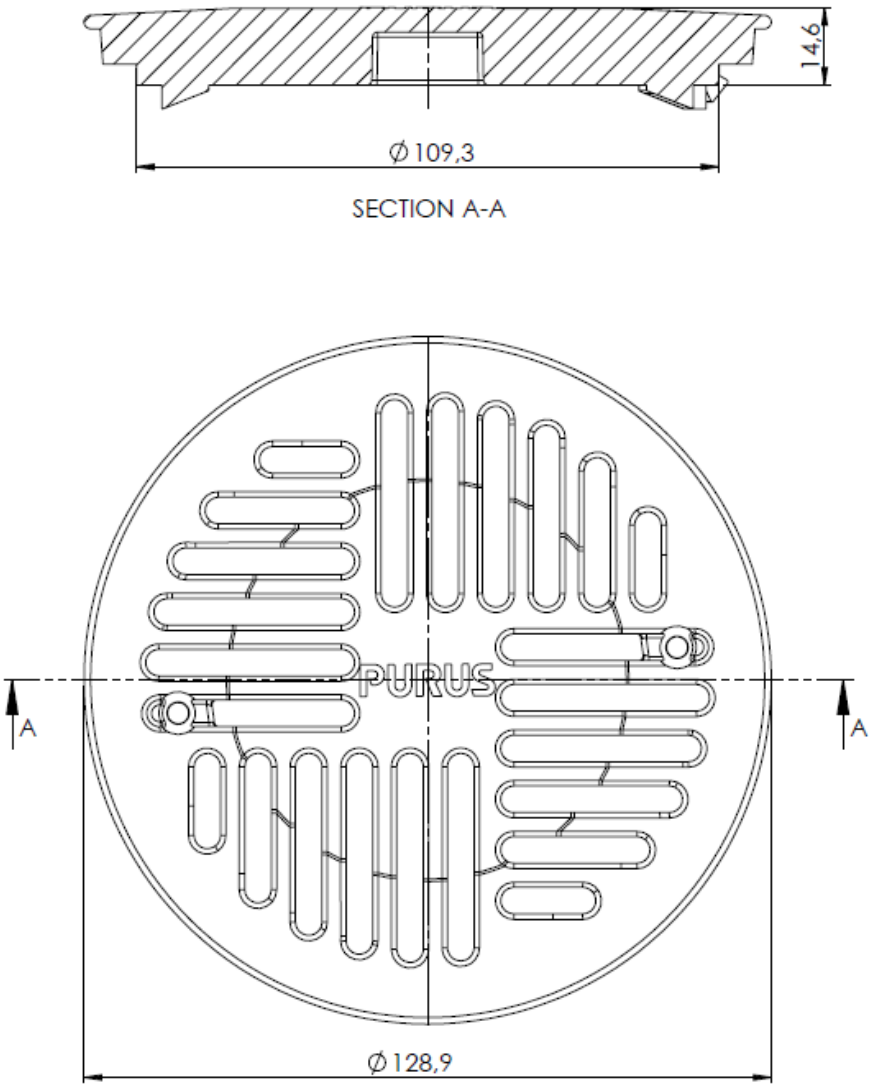
Figure 3 Drawing of PURUS NOOD





Annex 3

Figure 4 Drawing of grating PURUS Sil P 130 (polypropylene)



Annex 4

Figure 5 Drawing of clamping ring KL