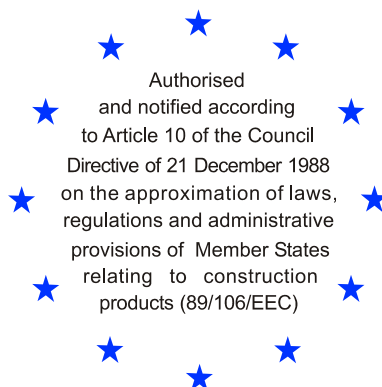


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European Technical Approval ETA-10/0161

Handelsnamn

Trade name

PURUS miniMax

Innehavare

Holder of approval

PURUS AB

**Södergatan 7
SE 275 31 Sjöbo
SWEDEN**

Produktbeskrivning och avsedd användning

Generic type and use
of construction product

Byggsats bestående av vattenlås med delvis mekanisk stängning, monterad i en golvbrunn utan vattenlås

Kit consisting of a trap with partially mechanical closure, mounted in a non-trapped gully

Giltighetstid

Validity:

från
from
t o m
to

2010-08-09

09.08.2010

2015-08-08

08.08.2015

Tillverkningsställe

Manufacturing plant

PURUS AB

**Södergatan 7
SE 275 31 Sjöbo
SWEDEN**

Godkännandet innehåller

This Approval contains

9 Sidor inklusive bilagor

9 Pages including annexes

I LEGAL BASIS AND GENERAL CONDITIONS

1. This European Technical Approval is issued by SITAC in accordance with:
 - Council Directive 89/106/EEC¹ of 21 December 1988 on the approximation of laws, regulations and administrative provisions of Member States relating to construction products, modified by the Council Directive 93/68/EEC of 22 July 1993²;
 - Common Procedural Rules for Requesting, Preparing and the Granting of European Technical Approvals set out in the Annex of Commission Decision 94/23/EC³;
 - CUAP 07.04/04 for European Technical Approval of “Kit consisting of a trap with partially mechanical closure, mounted in a non-trapped gully” Version 2, edition May 2006
2. SITAC is authorised to check whether the provisions of this European Technical Approval are met. Checking may take place in the manufacturing plant. Nevertheless, the responsibility for the conformity of the products to the European Technical Approval and for their fitness for the intended use remains with the holder of the European Technical Approval.
3. This European Technical Approval is not to be transferred to manufacturers or agents of manufacturer other than those laid down in the context of this European Technical Approval.
4. This European Technical Approval may be withdrawn by SITAC in particular after information by the Commission on the basis of Article 5 (1) of the Council Directive 89/106/EEC.
5. Reproduction of this European Technical Approval including transmission by electronic means shall be in full. However, partial reproduction can be made with the written consent of SITAC. In this case partial reproduction has to be designated as such. Texts and drawings of advertising brochures shall not contradict or misuse the European Technical Approval.
6. The European Technical Approval is issued by the approval body in its official language. This version should correspond fully to the version used by EOTA for circulation. Translations in other languages have to be designated as such.

¹ Official Journal of the European Communities N° L 40, 11.2.1989, p. 12

² Official Journal of the European Communities N° L 220, 30.8.1993, p. 1

³ Official Journal of the European Communities N° L 17, 20.1.1994, p. 34

II SPECIFIC CONDITIONS OF THE EUROPEAN TECHNICAL APPROVAL

1. Definition of product and intended use

1.1 Definition of products

The PURUS miniMax Kit (in this document called the product) 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 2331-06.

When water runs into the gully the imposed water weight will move the bowl downwards and open the trap (see Figure 5 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).

1.2 Intended use

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 used is SL/130 S (made of polypropylene) (see Figure 3 in Annex 1).

A clamping ring, KL, (see Figure 4 in Annex 1) 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 ETA are based on an assumed intended working life of the product of 25 years, provided that the installed kit is subject to an appropriate use and maintenance. The indications given on the working life cannot be interpreted as a guarantee given by the producer or the approval body, but are to be regarded only as a means for choosing the right product in relation to the expected economically reasonable working life of the works.

2. Characteristics of the product and methods for verification

2.1. General

The identification tests and the assessment of the fitness for use of this product according to the Essential Requirements were carried out in compliance with the “CUAP 07.04/04”, “Kit consisting of a trap with partially mechanical closure, mounted in a non-trapped gully” Version 09-09 (called CUAP 07.04/04 in this ETA).

The ETA is issued for the product on the basis of agreed data, deposited with SITAC, which identifies the product that has been assessed and judged. Changes to the production process, which could result in this deposited data being incorrect, should be notified to SITAC before the changes are introduced. SITAC 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 and /or alteration to the ETA, shall be necessary.

2.2 PURUS miniMax characteristics

2.2.1 Mechanical resistance and stability

Not relevant for this product

2.2.2 Safety in case of fire

No Performance determined.

2.2.3 Hygiene health and the environment

2.2.3.1 Water tightness

The kit is watertight according to EN 1253-2, clause 10.2 and EN 1253-1, clauses 8.9.2 and 8.9.6

2.2.3.2 Tightness for sheet floor coverings and/or membranes

When fitted with KL 130 clamping ring, the kit is watertight according to EN 1253-2, clause 10.3 and EN 1253-1, clauses 8.9.3 and 8.9.4

2.2.3.3 Odour tightness

The kit is odour tight according to EN 1253-2, clause 10.1 and EN 1253-1, clause 8.9.1

2.2.3.4 Blockage prevention

The kit has sufficient blockage prevention according to Annex 4 of the CUAP 07.04/04.

2.2.3.5 Access for cleaning

The kit has sufficient provision for cleaning and rodding the outlet systems leading to and from the kit, according to EN 1253-2, clause 7.1 and EN 1253-1, clause 8.6.1

2.2.3.6 Water through the grating

The flow rates through the grating as determined according to EN 1253-2, clause 11.1 fulfil the requirements in EN 1253-1, clause 8.11.1

2.2.3.7 Water through the grating and side inlets

The flow rates through the grating and side inlets as determined according to EN 1253-2, clause 11.2 fulfil the requirements in EN 1253-1 clause 8.11.2

2.2.4 Safety in use

2.2.4.1 Loading strength

The kit has the following loading strength classes according to EN 1253-2, clause 4: H 1,5 for grating PURUS SL/130 S

2.2.4.2 Mechanical strength for extension connections

Not relevant for this product

2.2.4.3 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

2.2.4.4 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

2.2.4.5 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

2.2.5 Protection against noise

Not relevant for this product

2.2.6 Energy economy and heat retention

Not relevant for this product

2.2.7 Aspects of durability

2.2.7.1 Mechanical durability of the spring

The spring fulfils the requirements of >350 000 stress cycles according to CUAP 07.04/04 clause 5.7.1

3 Evaluation of conformity and CE-marking

3.1 Attestation of conformity system

The system of attestation of conformity specified by the European commission is system 4 described in the Council Directive 89/106/EEC Annex III, 2 (ii), Third possibility and described as follows:

Declaration of conformity of the product by the manufacturer on the basis of:

- a) Tasks of the manufacturer
 - initial type-testing of the product,
 - factory production control,

3.2 Responsibilities

3.2.1 Tasks of the manufacturer

3.2.1.1 Initial type testing (system 4)

For initial type testing the results of the tests performed as part of the assessment for this European Technical Approval shall be used unless there are changes in the production line or plant. In such cases the necessary type testing has to be agreed between SITAC AB and the manufacturer.

3.2.1.2 Factory production control

The manufacturer shall exercise permanent internal control of production. All the elements, requirements and provisions adopted by the manufacturer shall be documented in a systematic manner in the form of written policies and procedures, including records of results performed. This production control system shall insure that the product is in conformity with this European technical approval.

The manufacturer may only use raw materials stated in the technical documentation of this European technical approval.

The factory production control shall be in accordance with EN 1253-3 "Gullies for buildings - Part 3: Quality control".

3.3 CE marking

The CE marking must be affixed on the products itself or on a label attached to it or on its packaging, or on the accompanying commercial documents.

The symbol "CE" shall be accompanied by the following information:

- Name of product (commercial trade name as referred in the ETA)
- Name or identifying trade mark of the manufacturer and the manufacturing plant
- Last two digits of the year in which the marking was affixed
- Number of the ETA: ETA-10/0161

4 Assumptions under which the fitness of the product for the intended use was favourably assessed

4.1 Manufacturing

All materials shall be manufactured by PURUS AB or its subcontractors

The European technical approval is issued for the product on the basis of agreed data/information, deposited with SITAC, 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 SITAC before the changes are introduced. SITAC 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

4.2 Installation

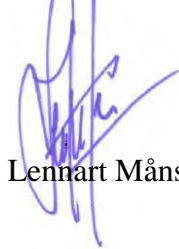
Application and installation details are given in the Manufacturers Installation Guide which forms part of this ETA and which shall always accompany the delivered system.

5 Recommendations for the manufacturer

5.1 Maintenance and repair

The kit shall be removed and cleaned regularly.

On behalf of SITAC
Borås 09.08.2010



Lennart Månsson

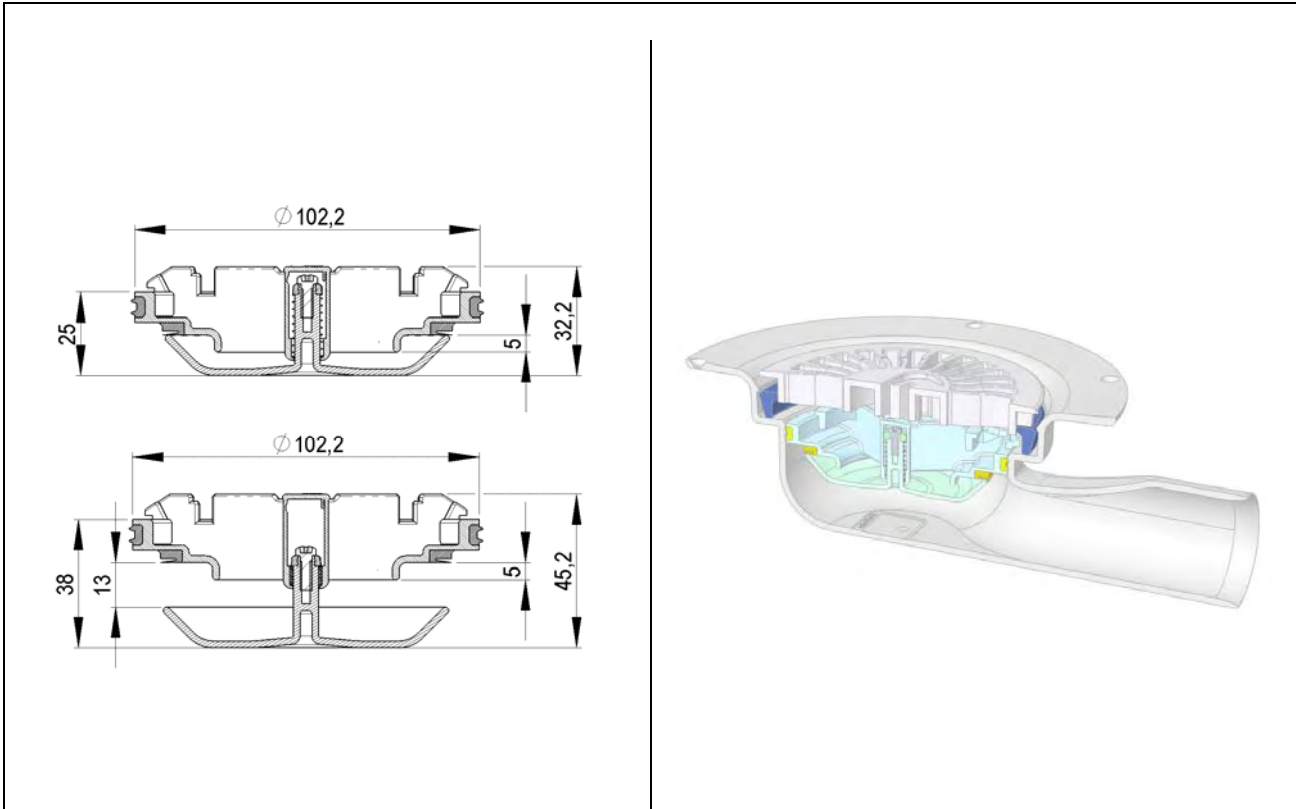


Figure 1 PURUS miniMax trap (closed and open)

Figure 2 PURUS miniMax gully with trap

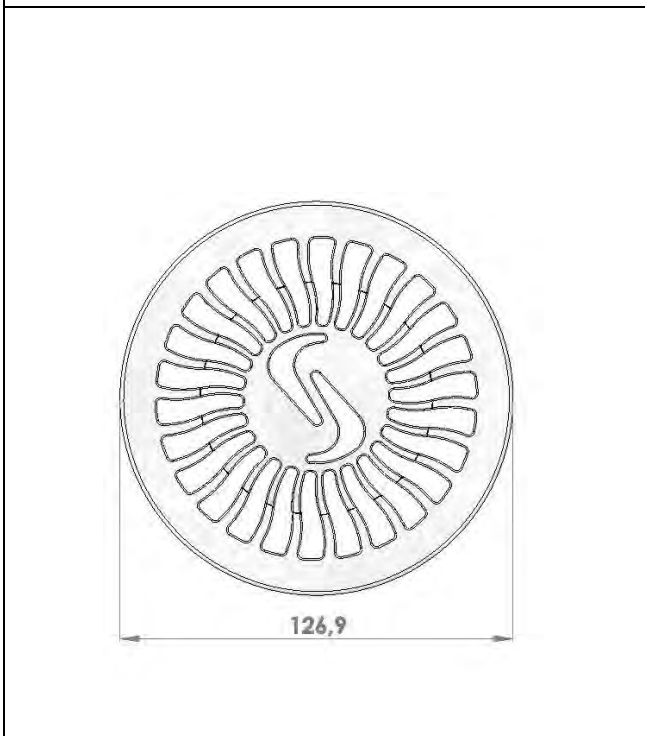


Figure 3 Grating SL/130 S

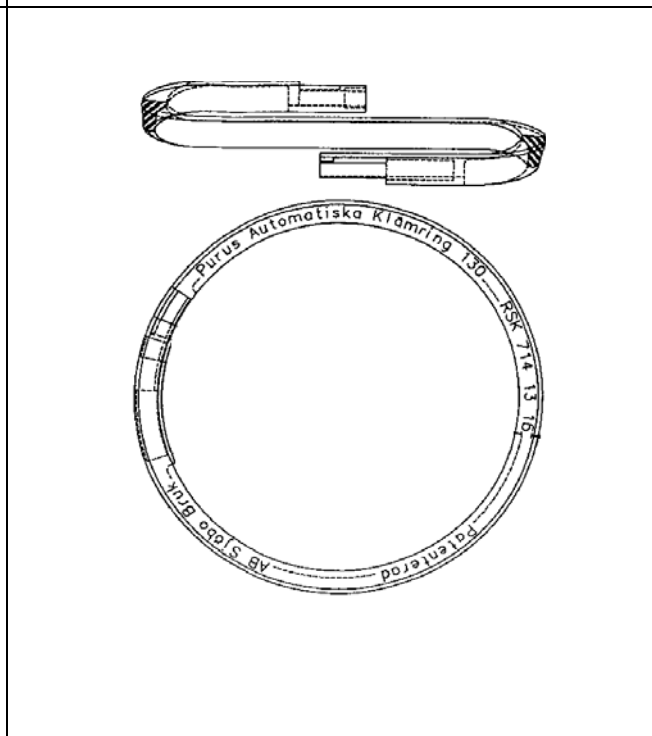


Figure 4 Clamping ring KL 130

PURUS miniMax KIT

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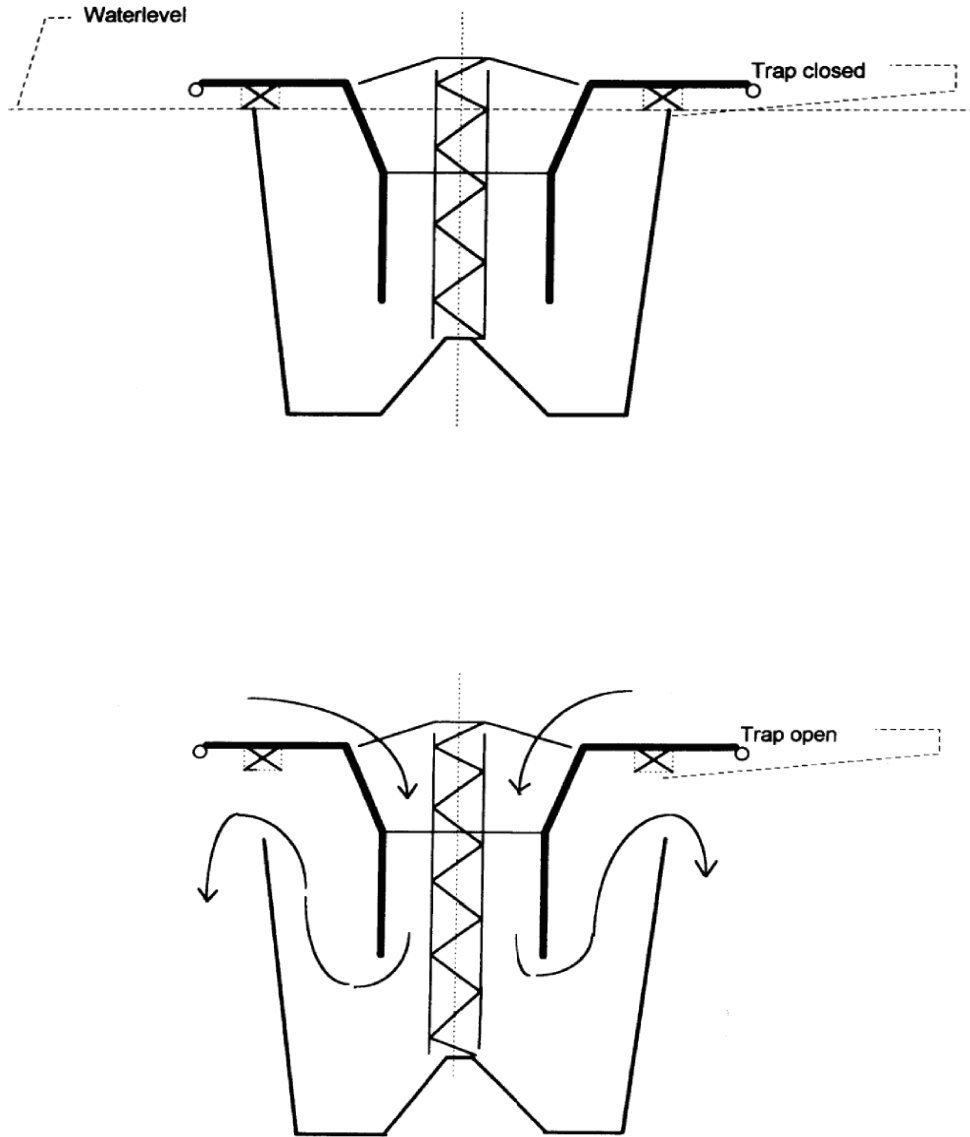


Figure 5 Schematic diagram showing the principle of the spring in the trap

PURUS miniMax KIT

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