

## WPM<sup>®</sup> WATERTIGHT PUMP SUMP

PS E 1001-1, PS E 1101-2  
15.06.2023

### PRODUCT DESCRIPTION

WPM<sup>®</sup> WATERTIGHT PUMP SUMP is a precast monolithic watertight concrete element.

Precast elements' water-tightness is achieved by using crystalline waterproofing admixture in the concrete. The product consists of a bottom, side walls, lifting hooks, and WPM<sup>®</sup> Metal Sheet Waterstop 125R metal-sheet waterstop installed on the side wall's upper edge - ensuring a watertight construction joint between the pump sump element and the floor slab.

### AREA OF APPLICATION:

WPM<sup>®</sup> WATERTIGHT PUMP SUMP is used to make watertight pump sumps located deeper than the foundations' floor slab.

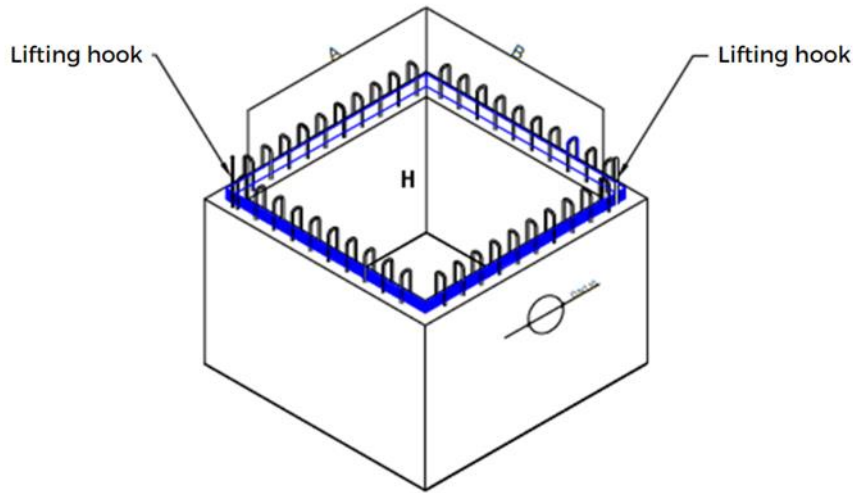
### PROPERTIES:

- Easy and quick installation – not dependent on the outside temperature
- The element ensures a watertight pump sump
- The main model pipe opening - DN110 mm
- Possible to add openings according to the project
- Officially tested at TalTech University - Test No. N° 389/23
- Tested maximum water penetration dept under (500±50 kPa - 5 bar) pressure is 14 mm.
- Made in Estonia

### SPECIFICATIONS:

- Designed geometric tolerances ±5 mm
- Concrete environmental class XC2
- Concrete strength class C30/37
- Water cement ratio 0,45
- Inner and outer surface quality - mold surface
- Reinforcement protection layer
  - Outside 45 mm
  - Inside 45 mm
- Fire resistance R60
- Weight approx. 500 kg / ca 700 kg
- Installation temperature: no restrictions

The information given on the product page is based on and corresponds to the available information. The warranty covers the materials and does not extend to their incorrect installation and intended use. It is the user's responsibility to assess the material's suitability for the place of use. In case of doubt, it is necessary to carry out trial tests or ask for advice from the manufacturer



Pump Sump Element	Width (mm) A	Length (mm) B	Depth (mm) H	Wall/floor thickness (mm)	Hole DN110 center distance from the bottom (mm)
PS E 1101-1	600	600	400	120 / 120	255
PS E 1101-2	800	800	700	120 / 120	255

**APPLICATION:**

Install WPM® WATERTIGHT PUMP SUMP Element to properly compacted subsoil.

**CAUTION! ATTENTION!**

The outer walls of the WPM® WATERTIGHT PUMP SUMP are 120 mm thick. The permitted depth of the mounting holes to be drilled is a **maximum of 80 mm**. If the permitted depth is exceeded, it is not possible to guarantee the waterproofness of the WPM® WATERTIGHT PUMP SUMP.

**SAFETY:**

Follow general safety rules.

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