

DOMESTIC WASTEWATER PURIFICATION SYSTEM (IBA)

For domestic wastewater

PRODUCT OMSCHRIJVING

ESEP reinforced concrete "domestic wastewater purification system", type 41 to 135. Constructed using prefabricated concrete produced in a Benor certified concrete plant. Supplied with pre-sedimentation compartment, bioreactor with time interval controlled aeration and post-sedimentation compartment. Only the domestic wastewater outlets can be connected to the installation. Standard type only suited for pedestrian traffic.

APPLICATION

The domestic waste water purification installation is intended for the purification of domestic wastewater, there where drainage to municipal sewers is not available. In case no higher degree of purification than class II is required the wastewater, after treatment in this installation, can be led to the surface water.

QUALITY

- Concrete quality in accordance with NEN-EN 206-1 and NEN 8005, minimum C35/45 environmental classification XC2

Degree of purification

- BOD < 25 mg/l O₂
- COD < 125 mg/l O₂
- Small particles < 30 mg/l

Optional:

In case of traffic loads, heavier concrete cover 125 kN with manhole cover:

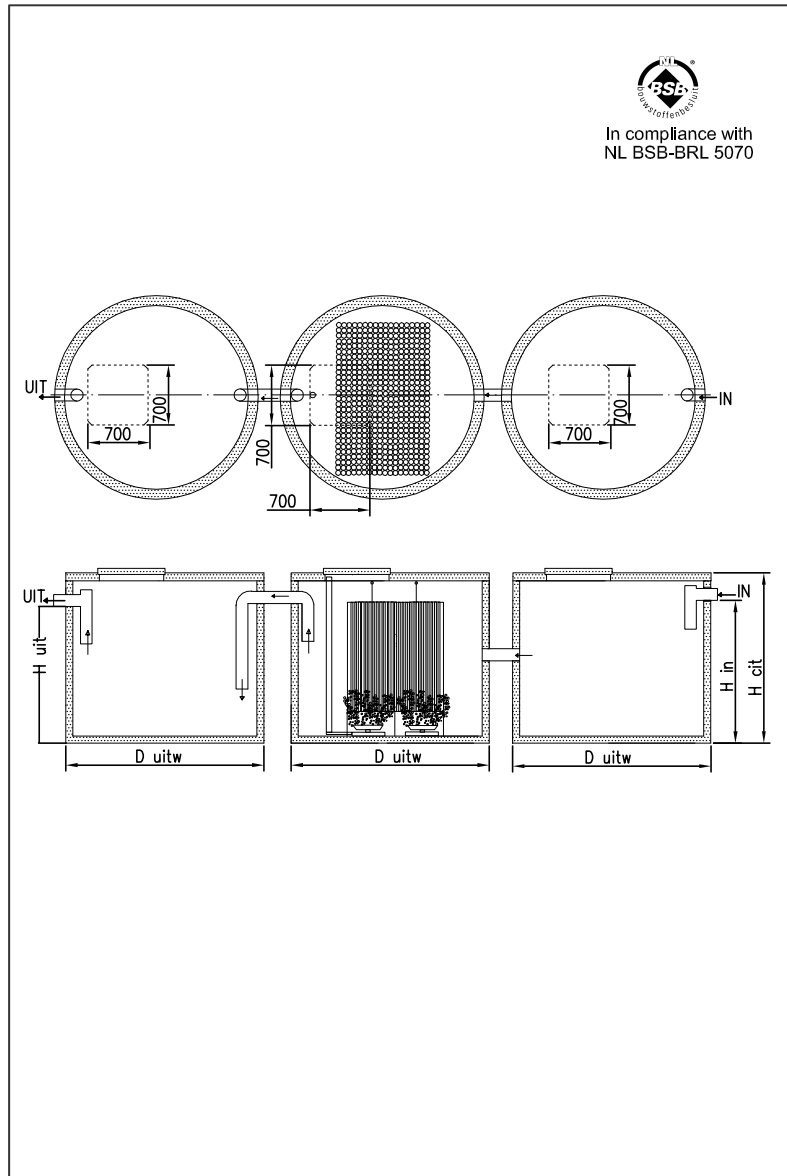
- cast iron cover in accordance with NEN-En 124 class B 125 kN
- or cast iron-concrete combination class D 400 kN wheel pressure**

In case of high ground water level and/or deep placement:

- Steel fibers in concrete composition
- Liquid tight connection between concrete well and cover
- Liquid tight finish on inside of well

- External control unit

DRAWING



SPECIFICATIONS

Type	D uit	H cit	H in	H uit	Ø IN/UIT	Kg.	Kg.*
41-54	2810	2060	1680	1600	200	3x7500	3x8600
55-70	2810	2060	1680	1600	200	3x7500	3x8600
71-90	3480	1930	1580	1480	200	3x8500	3x10210
91-110	3480	2480	2100	2000	200	3x10200	3x11910
111-135	3480	2480	2100	2000	200	3x10200	3x11910

Kg.* = weight in case of concrete cover class B125 kN

** N.B. Maximum level of ground covering 500 mm. When high groundwater level, intensive traffic or deeper placement is present, extra precautions have to be made. Factory warranty on water tightness up to the usual aquiferous range.