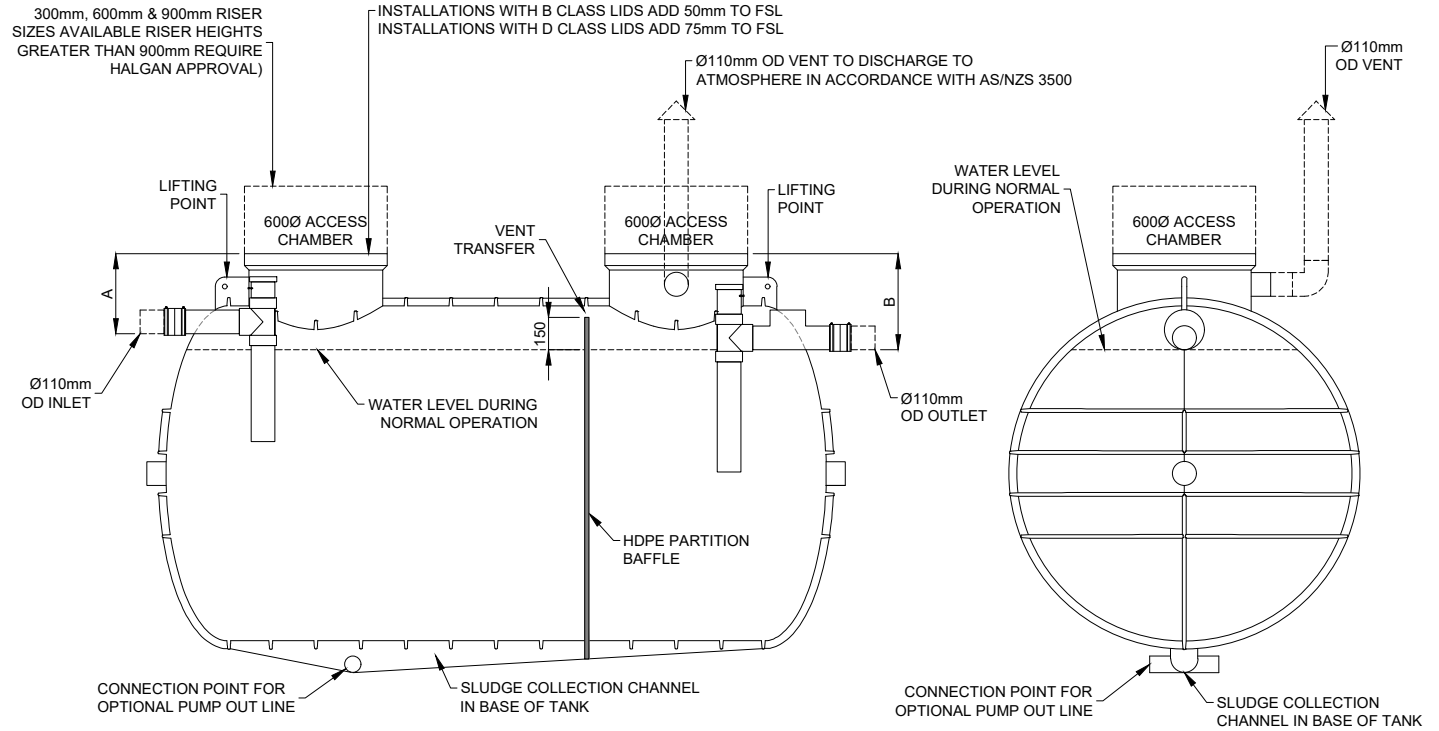


# HALGAN ENVIRONMENTAL™ HSEPS 3000-5000 SEPTIC TANK DETAIL

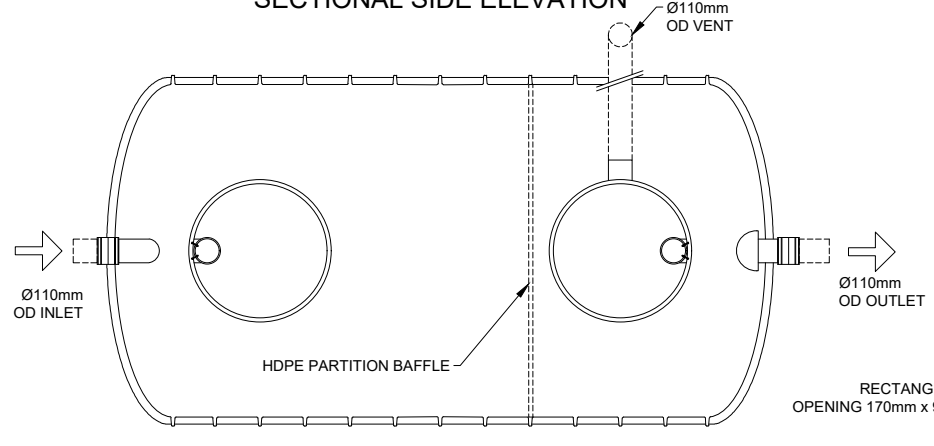
## Notes

1. **General**
  - 1.1. Tank constructed from Polyethylene.
  - 1.2. The HSEPS is to be installed in a location that will not cause a nuisance, obstruct fire access, cannot be vandalised or be damaged by vehicles.
  - 1.3. The HSEPS must have ease of access to pumpout point for maintenance.
  - 1.4. Non standard installations require Halgan approval.
2. **Installation below ground**
  - 2.1. All connections to the HSEPS shall be in accordance with the appropriate authorities.
  - 2.2. Any excavation exceeding 1.5 metres in depth shall comply with the construction safety acts and regulations before backfilling.
  - 2.3. The HSEPS must be filled with water prior to backfilling.
  - 2.4. Riser heights greater than 900mm require Halgan approval.
3. **Excavation dimensions**
  - 3.1. The excavated hole width shall be kept as narrow as practicable. The depth shall not be greater than 150mm more than the required depth.
  - 3.2. 75mm clearance is required at the sides of tank.
4. **Over excavation**
  - 4.1. Where an excavation has been made deeper than required, the excess depth shall be filled either with 4:1 sand cement compacted to achieve 98% compaction or concrete.
5. **Bedding/Backfill**
  - 5.1. The bedding/backfill material shall be Blue Metal granular material up to 10mm diameter.
  - 5.2. The bedding/backfill shall be minimum 75mm thick.
  - 5.3. The bedding/backfill shall be thoroughly compacted by tamping at 300 mm layers.
  - 5.4. The bedding/backfill material shall encase the whole tank.
  - 5.5. Foreign material such as builder's waste, bricks, and concrete shall not be used as backfill.
  - 5.6. The backfill shall be compacted to restore the excavated hole as near as practicable to the normal ground.
7. **Water Charged Ground**
  - 7.1. Installation in areas subject to flooding & groundwater is only permitted when the level of water does not exceed the height of the middle of the tank.
  - 7.2. In areas of heavy, clay-like soils, the installation is only permitted when there is sufficient drainage underneath the body of the tank.



SECTIONAL SIDE ELEVATION

SECTIONAL ELEVATION



PLAN VIEW

HDPE PARTITION BAFFLE DETAIL

### HALGAN ENVIRONMENTAL™ HSEPS 3000-5000 SEPTIC TANK DIMENSIONS

DIMENSIONS DO NOT INCLUDE PIPEWORK OR ACCESS LIDS

MODEL	HEIGHT (mm)	WIDTH (mm)	LENGTH (mm)	VOLUME (L)	WEIGHT (KG)	A (mm)	B (mm)
HSEPS3000	1680	1365	3055	3000	260	380	455
HSEPS4000	1825	1510	3250	4000	310	380	455
HSEPS5000	1940	1625	3200	5000	350	370	445



REV	DATE	DESCRIPTION	BY	CHKD	APP
A-4	01.08.2019	DETAIL DESIGN AMENDED	JV	JC	KH
A-3	05.12.2017	DETAIL DESIGN AND NOTES AMENDED	LB	KH	KH
A-2	16.11.2017	NOTES, DIMENSION TABLE AND DETAIL AMENDED	LB	KH	KH
A-1	23.05.2019	NOTES, DIMENSION TABLE AND DETAIL AMENDED	DN	SH	KH
A	22.02.2019	DETAIL DESIGN	DN	SH	KH

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MEASUREMENTS CAN VARY ± 3%

### HALGAN ENVIRONMENTAL™ HSEPS 3000-5000 SEPTIC TANK DETAIL

DRAWN	DATE
JV	01.08.2019
CHECKED	SCALE
JC	1:35
DWG NO.	REV.
HSEPS3000-5000	A-4