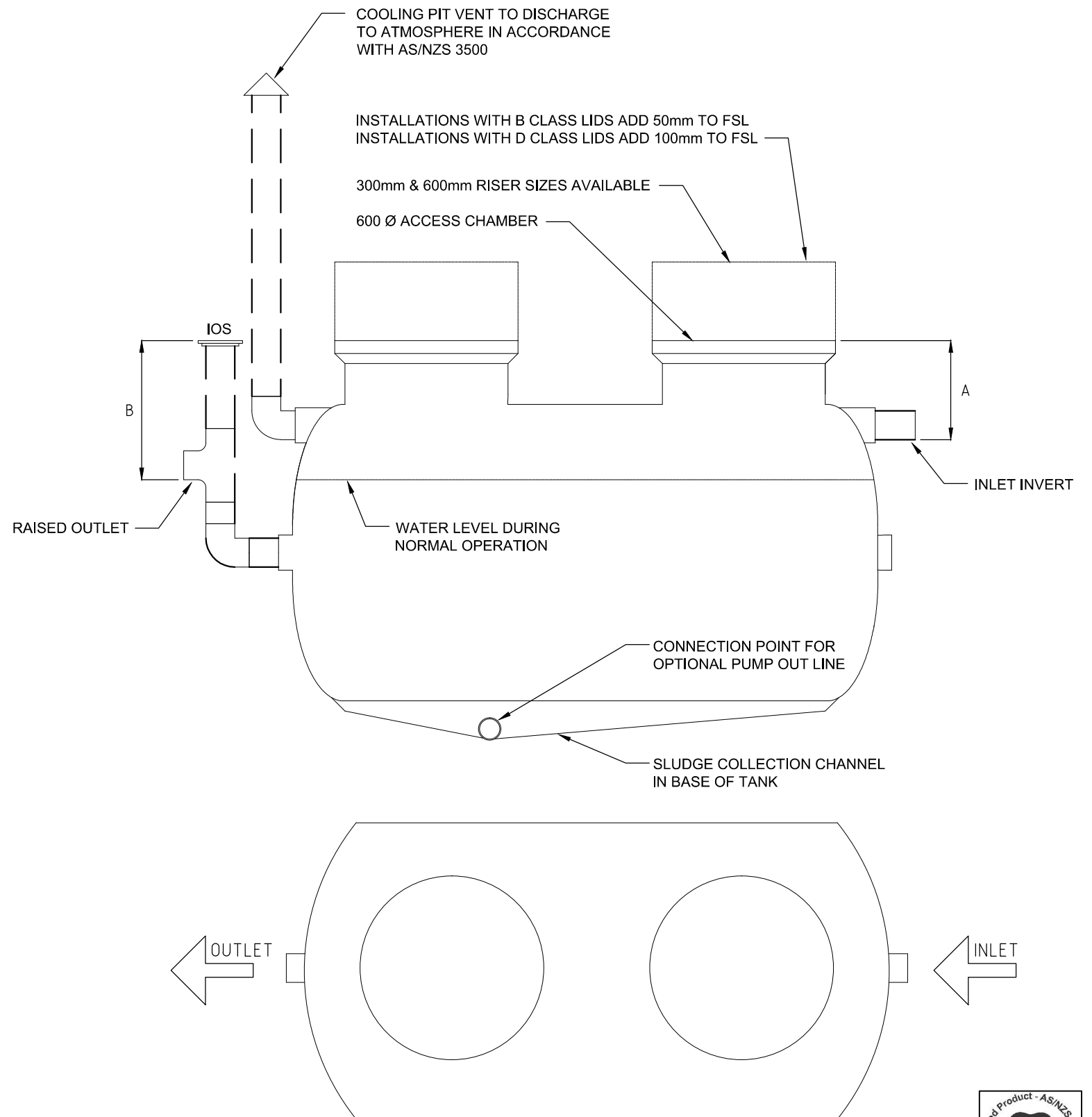


HALGAN 1500 - 5000 LITRE S SERIES COOLING PIT DETAIL

Notes

1. **Product:**
The Halgan Cooling Pit is used to cool the liquid waste water and provide a discharge to the sewer of not more than 38 o C. The inlet and outlet design provide mixing of the waste water. The Halgan Cooling Pit is manufactured from polyethylene.
2. **Application:**
The Halgan Cooling Pit is used for treatment of waste water from Launderette, Commercial/Industrial laundry and boiler blow down. In some applications where large quantities of hot waste water is discharged, it may be required to install a cooling tower to lower the temperature.
3. **General**
 - 3.1. Tank constructed from Polyethylene.
 - 3.2. The Cooling Pit is to be installed in a location that will not cause a nuisance, obstruct fire access, cannot be vandalised or be damaged by vehicles.
 - 3.3. The Cooling Pit must have ease of access to pumpout point for maintenance.
 - 3.4. A hose tap fitted with RPZD backflow protection (as per AS/NZS 3500) must be installed within 5 metres of the Cooling Pit for maintenance and cleaning.
4. **Installation above ground**
 - 4.1. The Cooling Pit is to be supported on a 100mm thick concrete pad. A stand is available for the Halgan S Series Cooling Pit if required.
 - 4.2. Any maintenance platform must be installed in accordance with Australian Standard 1657-1992 allowing safe access while inspecting and maintaining the Cooling Pit.
 - 4.3. All pipes connecting to the Cooling Pit shall be fully supported, there shall be no stress on the tank connections.
 - 4.4. All stormwater must be diverted away from the Cooling Pit to prevent undermining of foundation.
5. **Installation below ground**
 - 5.1. All connections to the Cooling Pit shall be in accordance with the appropriate authorities.
 - 5.2. Any excavation exceeding 1.5 metres in depth shall comply with the construction safety acts and regulations before backfilling.
 - 5.3. The Cooling Pit must be filled with water prior to backfilling.
6. **Excavation dimensions**
 - 6.1. The excavated hole width shall be kept as narrow as practicable. The depth shall not be greater than 150mm more than the required depth.
 - 6.2. 75mm clearance is required at the sides of tank.
7. **Over excavation**
 - 7.1. 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
8. **Water Charged Ground**
 - 8.1. Where installation is in high water table or water charged ground, mine subsidence, filled or unstable areas, the services of a qualified structural engineer is required for certification.
9. **Bedding material**
 - 9.1. The bedding/backfill material shall be Blue Metal granular material up to 10mm diameter.
 - 9.2. The bedding/backfill shall be minimum 75mm thick.
 - 9.3. The bedding/backfill shall be thoroughly compacted by tampering at 300mm layers.
 - 9.4. The bedding/backfill material shall encase the whole tank.
 - 9.5. Foreign material such as builder's waste, bricks, and concrete shall not be used as backfill.
 - 9.6. The backfill shall be compacted to restore the excavated hole as near as practicable to the normal ground.



HALGAN HCPS DIMENSIONS - NOT INCLUDE PIPEWORK OR LIDS

MODEL	HEIGHT	WIDTH	LENGTH	VOLUME	WEIGHT	A (INLET)	B (OUTLET)
HCPS 1500	1550mm	1130mm	2280mm	1500 L	125KG	380mm	530mm
HCPS 2000	1550mm	1130mm	3010mm	2000 L	200 KG	380mm	530mm
HCPS 3000	1680mm	1365mm	3055mm	3000 L	260KG	380mm	530mm
HCPS 4000	1825mm	1510mm	3250mm	4000 L	310 KG	380mm	460mm
HCPS 5000	1940mm	1625mm	3200mm	5000 L	350KG	370mm	460mm



REV	DATE	DESCRIPTION	BY	CHKD	APP
A-2	28.09.2015	DETAIL DESIGN UPDATED	LB	JB	KH
A	29.10.2012	DETAIL DESIGN	DN	SM	KH

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HALGAN 1500 - 5000
LITRES S SERIES
COOLING PIT DETAIL

DRAWN	DATE
LB	28.09.2015
CHECKED	SCALE
JB	1:20
DWG. NO.	
HCPS1500-5000	A-2