

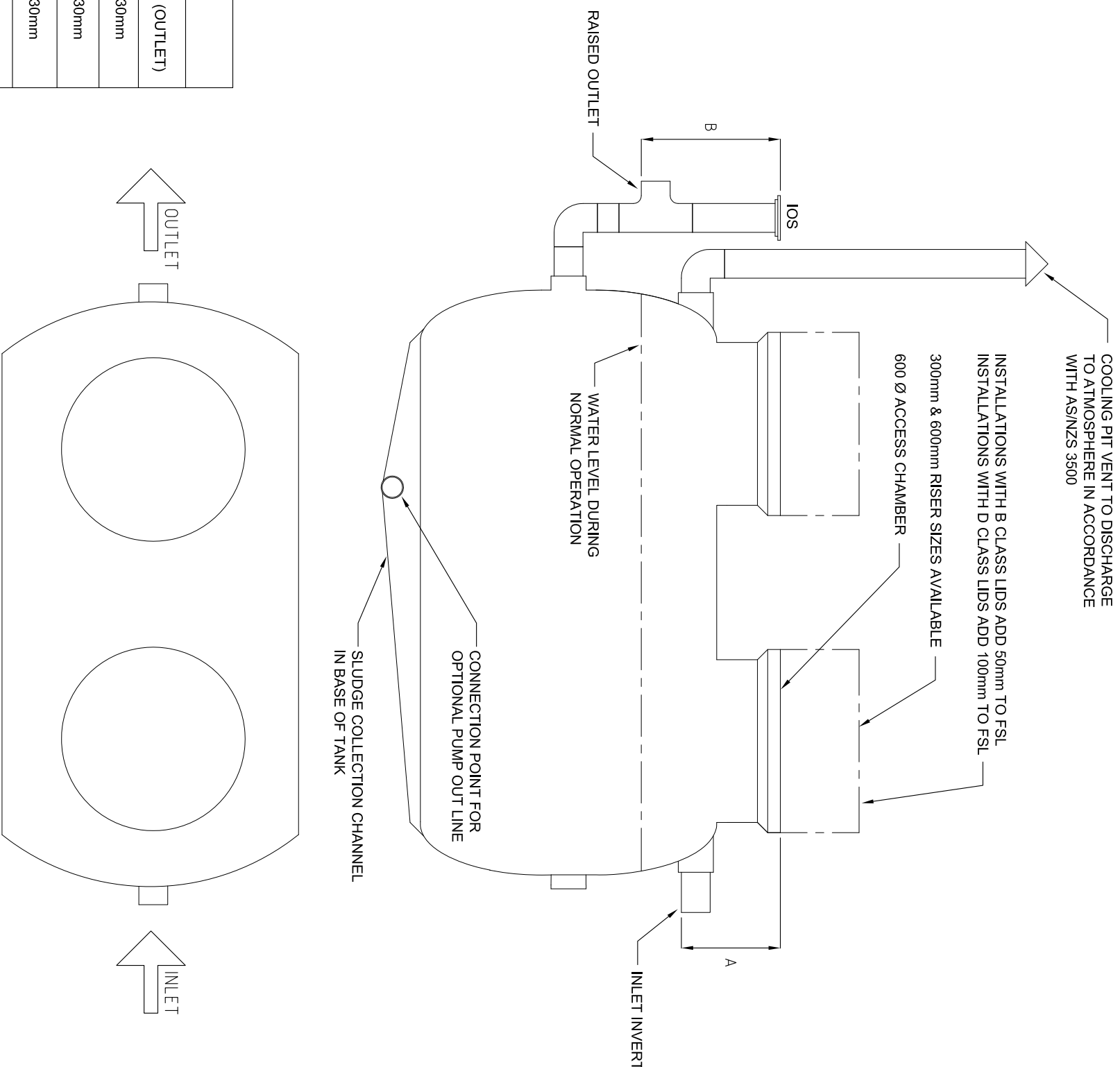
# HALGAN 1500 - 5000 LITRE S SERIES COOLING PIT DETAIL

## Notes

- 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.
- 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.
- General**
  - Tank constructed from Polyethylene.
  - 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.
  - The Cooling Pit must have ease of access to pumpout point for maintenance.
  - 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.
- Installation above ground**
  - 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.
  - Any maintenance platform must be installed in accordance with Australian Standard 1657-1992 allowing safe access while inspecting and maintaining the Cooling Pit.
  - All pipes connecting to the Cooling Pit shall be fully supported, there shall be no stress on the tank connections.
  - All stormwater must be diverted away from the Cooling Pit to prevent undermining of foundation.
- Installation below ground**
  - All connections to the Cooling Pit shall be in accordance with the appropriate authorities.
  - Any excavation exceeding 1.5 metres in depth shall comply with the construction safety acts and regulations before backfilling.
  - The Cooling Pit must be filled with water prior to backfilling.
  - Excavation dimensions
    - The excavated hole width shall be kept as narrow as practicable. The depth shall not be greater than 150mm more than the required depth.
    - 75mm clearance is required at the sides of tank.
  - Over excavation**
    - 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
  - Water Charged Ground**
    - 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.
- Bedding material**
  - The bedding/backfill material shall be Blue Metal granular material up to 10mm diameter.
  - The bedding/backfill shall be minimum 75mm thick.
  - The bedding/backfill shall be thoroughly compacted by tampering at 300mm layers.
  - The bedding/backfill material shall encase the whole tank.
  - Foreign material such as builder's waste, bricks, and concrete shall not be used as backfill.
  - The backfill shall be compacted to restore the excavated hole as near as practicable to the normal ground.

## HALGAN HCPS DIMENSIONS

MODEL	HEIGHT	WIDTH	LENGTH	VOLUME	WEIGHT	A (INLET)	B (OUTLET)
HCPS 1500	1515mm	1130mm	2230mm	1500 L	125KG	380mm	530mm
HCPS 2000	1515mm	1130mm	2910mm	2000 L	170 KG	380mm	530mm
HCPS 3000	1680mm	1290mm	3055mm	3000 L	210KG	380mm	530mm
HSTS 4000	1825mm	1510mm	3250mm	4000 L	250 KG	380mm	460mm
HSTS 5000	1940mm	1625mm	3200mm	5000 L	300KG	370mm	460mm



REV	DATE	DESCRIPTION	BY	CHKD	APP	IF IN DOUBT ASK	3rd ANGLE	REF. DWG.	TITLE
B	18.11.2013	DETAIL DESIGN	DN	SM	KH	DO NOT SCALE			
A	29.10.2012	DETAIL DESIGN	DN	SM	KH	IF IN DOUBT ASK			

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DATE	SCALE	REV
29.10.2012	1:20	B

DWG NO: HCP1500-5000