

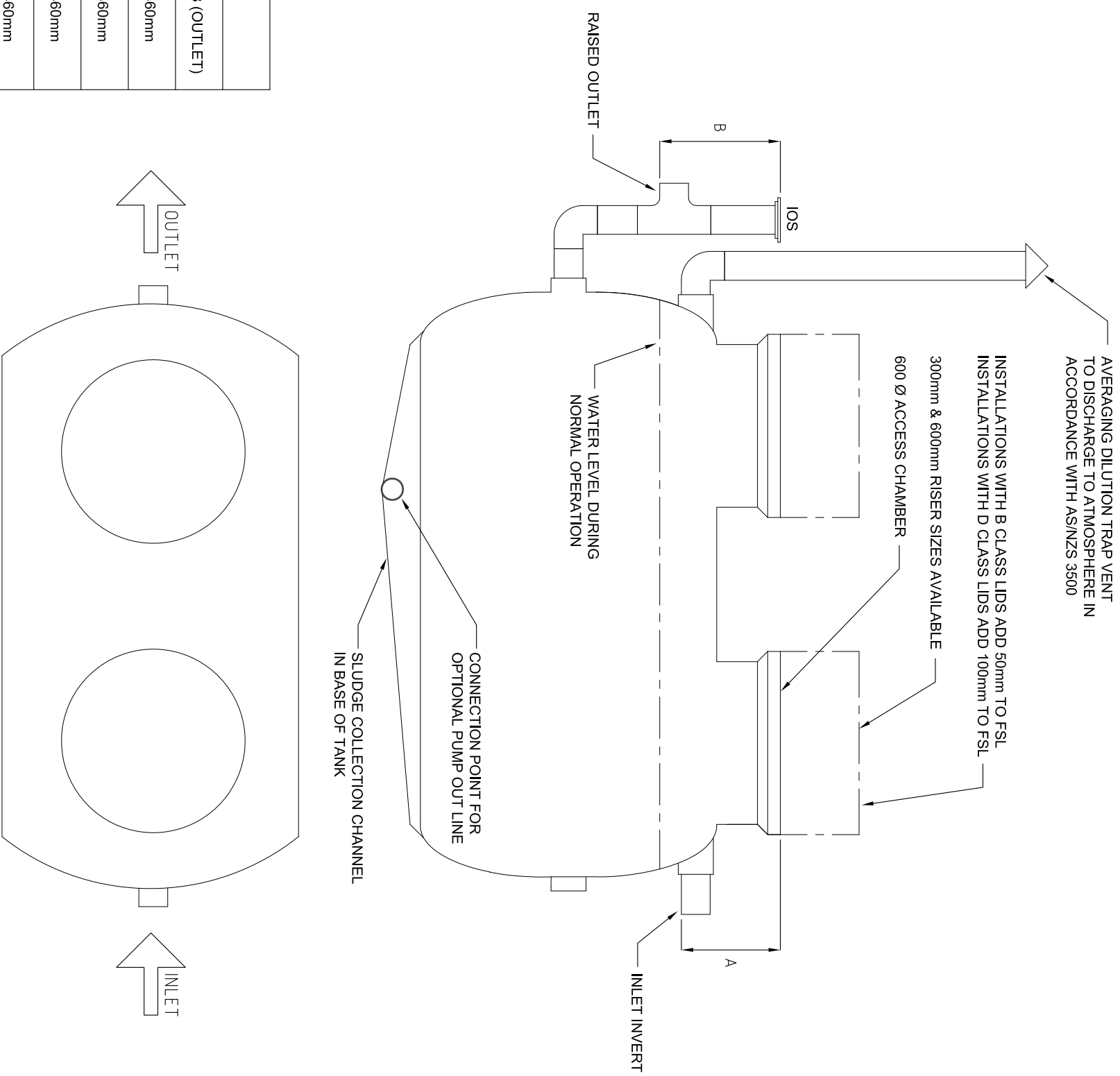
# HALGAN 1500 - 5000 LITRE S SERIES AVERAGING DILUTION TRAP DETAIL

## Notes

1. **Product**  
The Halgan Averaging Dilution Trap is used for treatment of waste water from laboratories, schools, technical colleges, battery manufacturing or any application where acids or alkalines are used.
2. **General**
  - 2.1. Tank constructed from Polyethylene.
  - 2.2. The Halgan Averaging Dilution Trap is to be installed in a location that will not cause a nuisance, obstruct fire access, cannot be vandalised or be damaged by vehicles.
  - 2.3. The Averaging Dilution Trap must have ease of access to pumpout point for maintenance.
  - 2.4. A hose tap fitted with RPZD backflow protection (as per AS/NZS 3500) must be installed within 5 metres of the Averaging Dilution Trap for maintenance and cleaning.
3. **Installation above ground**
  - 3.1. The Averaging Dilution Trap is to be supported on a 100mm thick concrete pad. A stand is available for the S Series Averaging Dilution Trap if required.
  - 3.2. Any maintenance platform must be installed in accordance with Australian Standard 1657-1992 allowing safe access while inspecting and maintaining the Averaging Dilution Trap.
  - 3.3. All pipes connecting to the Averaging Dilution Trap shall be fully supported, there shall be no stress on the tank connections.
  - 3.4. All stormwater must be diverted away from the Averaging Dilution Trap to prevent undermining of foundation.
4. **Installation below ground**
  - 4.1. All connections to the Averaging Dilution Trap shall be in accordance with the appropriate authorities.
  - 4.2. Any excavation exceeding 1.5 metres in depth shall comply with the construction safety acts and regulations before backfilling.
  - 4.3. The Averaging Dilution Trap must be filled with water prior to backfilling.
  5. **Excavation dimensions**
    - 5.1. The excavated hole width shall be kept as narrow as practicable. The depth shall not be greater than 150mm more than the required depth.
    - 5.2. 75mm clearance is required at the sides of tank.
  6. **Over excavation**
    - 6.1. 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
  7. **Water Charged Ground**
    - 7.1. 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.
  8. **Bedding material**
    - 8.1. The bedding/backfill material shall be Blue Metal granular material up to 10mm diameter.
    - 8.2. The bedding/backfill shall be minimum 75mm thick.
    - 8.3. The bedding/backfill shall be thoroughly compacted by tampering at 300mm layers.
    - 8.4. The bedding/backfill material shall encase the whole tank.
    - 8.5. Foreign material such as builder's waste, bricks, and concrete shall not be used as backfill.
    - 8.6. The backfill shall be compacted to restore the excavated hole as near as practicable to the normal ground.

## HALGAN HADS DIMENSIONS

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



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

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AVERAGING DILUTION TRAP DETAIL

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DATE	SCALE	REV
29.10.2012	1:20	A3
DN	SM	B

DWG NO. HADS1500-5000 B