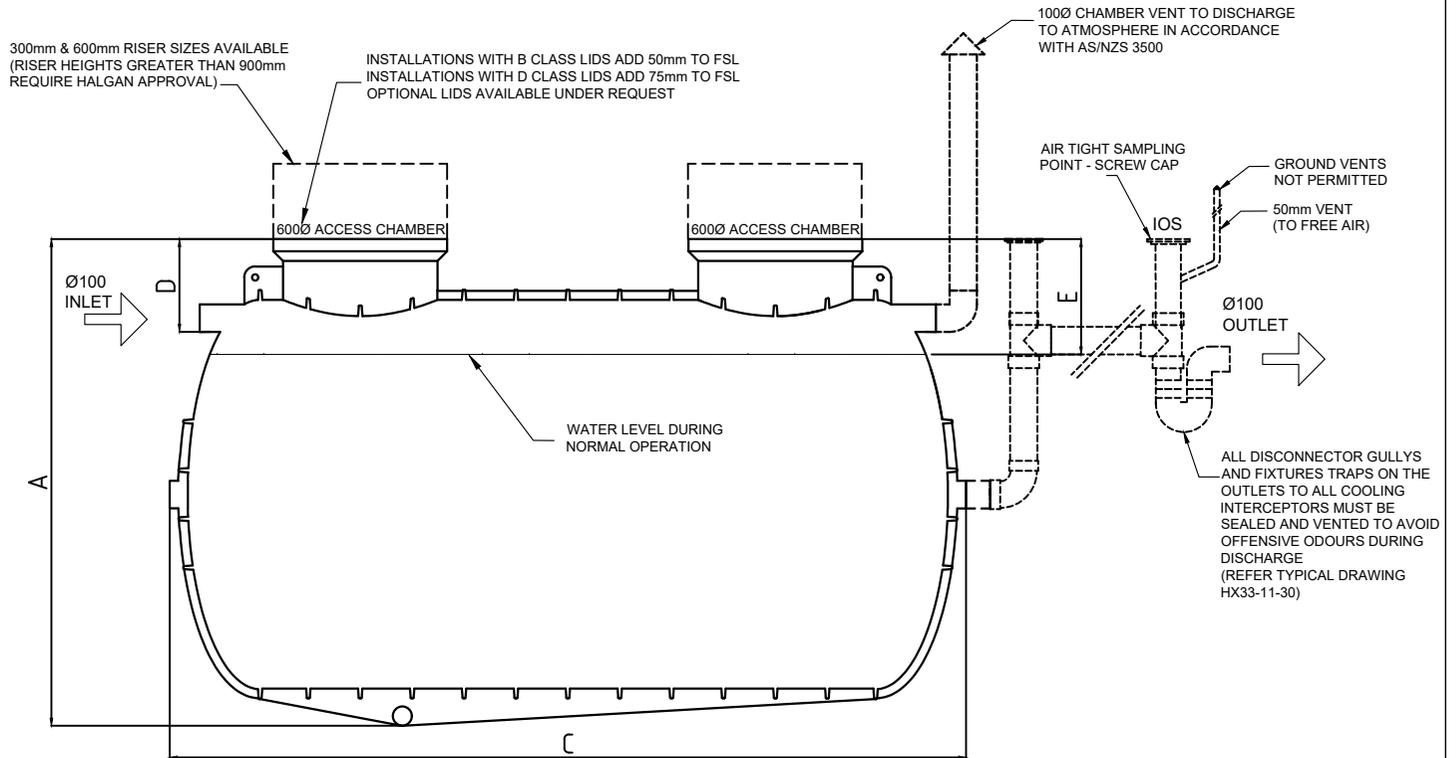


**Notes**

1. **Product:**  
The Halgan Averaging Dilution is used for treatment of waste water from laboratories, schools and technical colleges.
2. **General**
  - 2.1. Tank constructed from Polyethylene.
  - 2.2. The Averaging Dilution 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 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).
3. **Installation above ground**
  - 3.1. The Averaging Dilution is to be supported on a 100mm thick concrete pad. A stand is available for the Halgan S Series Averaging Dilution if required.
  - 3.2. Any maintenance platform must be installed in accordance with Australian Standard 1657 allowing safe access while inspecting and maintaining the Averaging Dilution.
  - 3.3. All pipes connecting to the Averaging Dilution 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 to prevent undermining of foundation.
4. **Installation below ground**
  - 4.1. All connections to the Averaging Dilution 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 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 tamping 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.

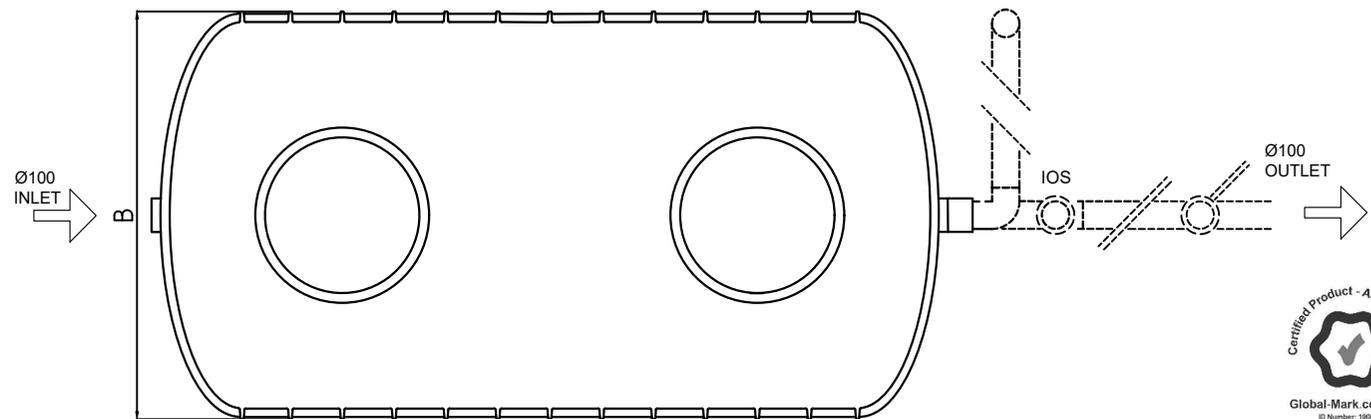
# HALGAN™ HADS-WA DILUTION TRAP - WA



**HALGAN™ HADS-WA COOLING PIT DIMENSIONS**  
DIMENSIONS DO NOT INCLUDE PIPEWORK OR ACCESS LIDS

MODEL	A	B	C	D (INLET)	E (OUTLET)	VOLUME	WEIGHT
HADS1000-WA*	1550mm	1130mm	1700mm	380mm	460mm	1000 L	95 KG
HADS1500-WA	1550mm	1130mm	2280mm	380mm	460mm	1500 L	125 KG
HADS2000-WA	1550mm	1130mm	3010mm	380mm	460mm	2000 L	200 KG
HADS3000-WA	1680mm	1365mm	3055mm	380mm	460mm	3000 L	260KG
HADS4000-WA	1825mm	1510mm	3250mm	380mm	460mm	4000 L	310 KG
HADS5000-WA	1940mm	1625mm	3200mm	370mm	450mm	5000 L	350 KG

\*HADS1000-WA has one access hatch only



REV	DATE	DESCRIPTION	BY	CHKD	APP
A	19.12.2017	DETAIL DESIGN	LB	JB	KH

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DO NOT SCALE IF IN DOUBT ASK



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MEASUREMENTS  
CAN VARY ± 3%

**HALGAN HADS-WA  
AVERAGING DILUTION  
DETAIL - WA**

DRWN	LB	DATE	19.12.2017
DESIGN	JB	SCALE	A3
FILE NO.	<b>HADS-WA</b>	REV.	A