

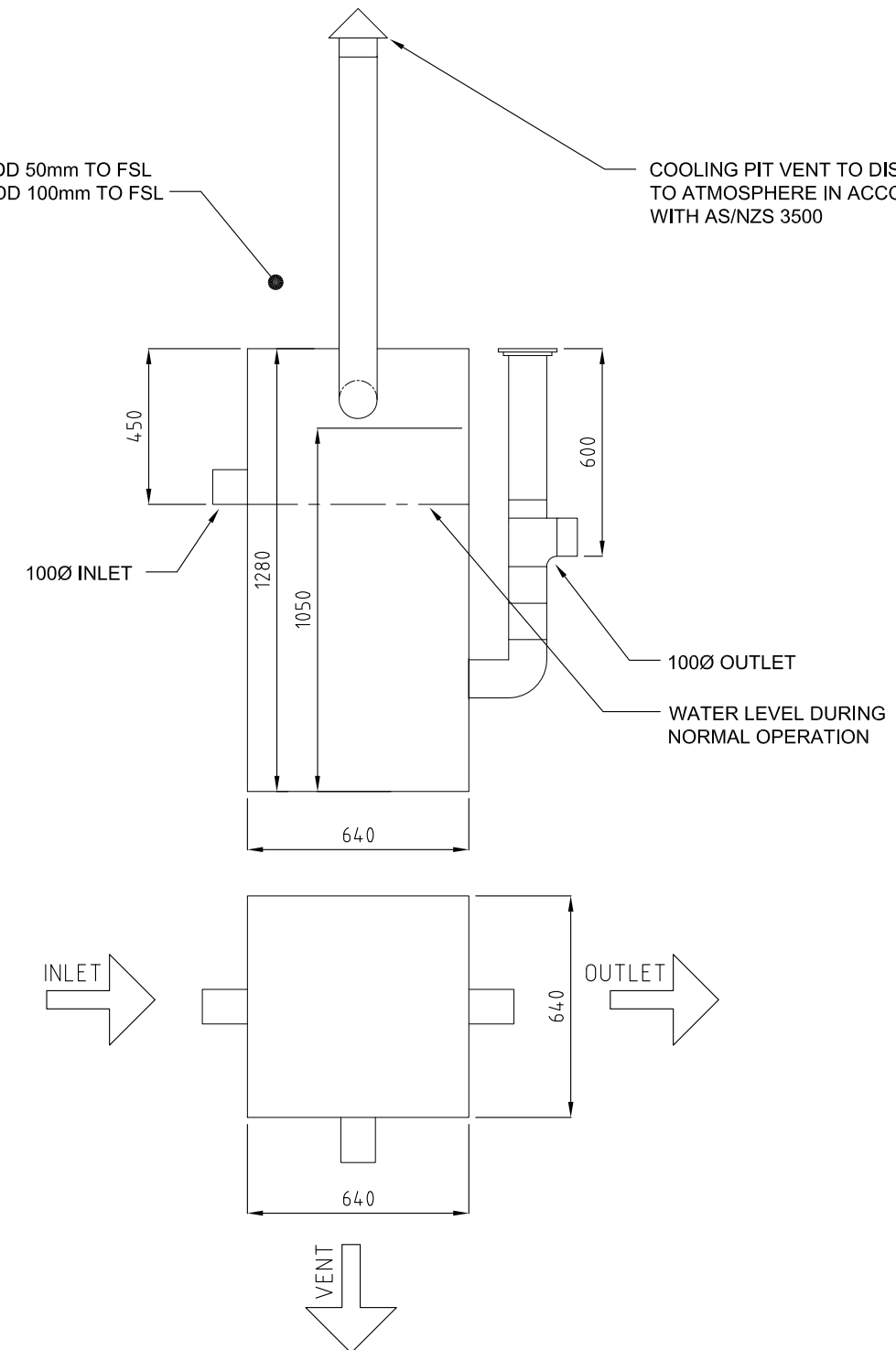
Notes

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 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. The Halgan 200 L Cooling Pit does not require a stand.
 - 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 Trap 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 bedding material 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 material shall be 1 part Portland cement to 4 parts clean sand.
 - 9.2. The bedding shall be thoroughly compacted by tampering at 300 mm layers.
 - 9.3. The bedding material shall encase the whole tank.
10. **Final Backfill**
 - 10.1. The final backfill material shall comply with the following:
 - 10.1.a. Spoil from the excavation of the trench may be used.
 - 10.1.b. Foreign material such as builder's waste, bricks, and concrete shall not be used.
 - 10.1.c. The backfill shall be compacted to restore the excavated hole as near as practicable to the normal ground.

HALGAN 200 LITRE COOLING PIT DETAIL

INSTALLATIONS WITH B CLASS LIDS ADD 50mm TO FSL
INSTALLATIONS WITH D CLASS LIDS ADD 100mm TO FSL

COOLING PIT VENT TO DISCHARGE TO ATMOSPHERE IN ACCORDANCE WITH AS/NZS 3500



HALGAN HCP DIMENSIONS

| MODEL | HEIGHT | WIDTH | LENGTH | VOLUME | WEIGHT | A (INLET) | B (OUTLET) |
|---------|--------|-------|--------|--------|--------|-----------|------------|
| HCP 200 | 1280mm | 640mm | 640mm | 200 L | 20KG | 450mm | 600mm |

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|-----|------------|---------------|----|------|-----|--|-------|--|-----------|--|--|-----------------------|--|--|--|
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| A | 29.10.2012 | DETAIL DESIGN | DN | SM | KH | DO NOT SCALE IF IN DOUBT ASK | | | 3rd ANGLE | | | | | | |
| REV | DATE | DESCRIPTION | BY | CHKD | APP | REF. DWG. | TITLE | | | | | | | | |
| | | | | | | | | | | HALGAN 200 LITRE COOLING PIT DETAIL | | X X X X X | | DRAWN DN DATE 29.10.2012 CHECKED SM SCALE 1:20 DWG. NO. HCP200 REV. A | |