

# Approval certificate

## Trade waste pre-treatment product



**Applicant:** Halgan Pty Ltd  
**Postal address:** 10 Davis Road, Wetherill Park, NSW 2164

**Attention:** Joel Brooks  
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**Manufacturer:** Halgan Pty Ltd  
**Address:** 10 Davis Road, Wetherill Park, NSW 2164

### Product description

The Halgan Averaging Dilution Trap "S" Series (HADS) is to be used for pre-treatment of waste streams from schools and craft type activities only. The HADS is manufactured from polyethylene and is available in six sizes with capacities of 1000, 1500, 2000, 3000, 4000 and 5000 litres. The HADS product range is also known as a HANT (Halgan Acid Neutralising Tank) and HMT (Halgan Mixing Tank).

A maximum of two HADS units in series (based upon the HADS 1000, 1500 and 2000 models only) can be arranged to form a maximum of up to 4000 litre operating capacities for installations within Water Corporation's area of operations.

Any proposed installation of a HADS 3000, 4000 or 5000 unit is first subject to a formal Water Corporation Trade Waste plumbing assessment (and approval) of the overall waste stream processes to determine if the HADS 3000, 4000 or 5000 units is the most appropriate form of pre-treatment. The HADS 3000, 4000 or 5000 units can only be installed as single units.

**All models are for below ground use only.**

The approval certificate applies to the pre-treatment products of the following sizes:

Approval Number	Model	Volume (L)	Width	Length	Inlet/Outlet Diameter	Access Lid Height	Access Lid Type	Inlet Height	Outlet Height
AN-066-01	HADS 1000	1000 L	1130 mm	1700 mm	100 mm	1550 mm	B/D Class	380 mm	460 mm
AN-066-02	HADS 1500	1500 L	1130 mm	2280 mm	100 mm	1550 mm	B/D Class	380 mm	460 mm
AN-066-03	HADS 2000	2000 L	1130 mm	3010 mm	100 mm	1550 mm	B/D Class	380 mm	460 mm
AN-066-04	HADS 3000 <sup>1,2</sup>	3000 L	1365 mm	3055 mm	100 mm	1680 mm	B/D Class	380 mm	460 mm
AN-066-05	HADS 4000 <sup>1,2</sup>	4000 L	1510 mm	3250 mm	100 mm	1825 mm	B/D Class	380 mm	460 mm
AN-066-06	HADS 5000 <sup>1,2</sup>	5000 L	1625 mm	3200 mm	100 mm	1940 mm	B/D Class	370 mm	450 mm

1: The HADS 3000, 4000 and 5000 units can only be installed as single units.

2: Where the installation of the HADS 3000, 4000 and 5000 units are proposed then a formal Water Corporation Trade Waste plumbing assessment of the overall waste stream processes must first be made (and approved) to determine if the HADS 3000, 4000 or 5000 unit is the most appropriate form of pre-treatment.

### Special conditions of approval

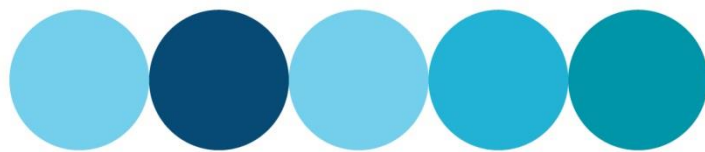
1. The product must be manufactured and identified by a compliance plate detailing the following information:

**Address:** Halgan Pty Ltd, Unit 2 / 187 South Creek Rd, Cromer, NSW 2099  
**Make:** Modular Averaging Dilution Trap "S" Series  
**HADS Model No.:** < insert here >  
**Volume (L):** < insert here >

- The maximum allowable *unit size* is 5000 L.
- The maximum allowable units in *series* are two (2) units and can only be comprised of the HADS 1000, 2000 and 3000 units. The total maximum allowable *capacity* of any units in series is therefore 4000 L (2x2000L).
- Where the installation of the HADS 3000, 4000 and 5000 units are proposed then a formal Water Corporation Trade Waste plumbing assessment of the overall waste stream processes must first be made (and approved) to determine if the HADS 3000, 4000 or 5000 unit is the most appropriate form of pre-treatment.
- The HADS 3000, 4000 and 5000 units can only be installed as single units.
- The product shall be *supplied* with manufacturer's installation instructions and recommended procedures for operation and maintenance.
- The product shall be *installed* and *maintained* strictly in accordance to the Halgan *Modular Grease Trap (MGT), Modular Grease Trap "S" Series (MGTS) Installation Requirements Water Corporation* manual (January 2019). Installation is to be performed by a licensed plumber.
- This approval certificate is not a stand-alone document and **must be read** in conjunction with Water Corporation's *Typical Drawings for Trade Waste*:
  - [Dilution Unit \(HX33-16-00\)](#)
  - [Trade Waste Sampling Point \(TWSP\) \(HX33-11-30\)](#)
- A maintenance contract is to be in place to ensure the ongoing reliability of the product.
- Water Corporation must be notified within fourteen (14) days upon installation of the product
- The use of emulsifying agents upstream of the product must not occur. Such instructions must be noted on operating documentation.

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12. The product chosen must be suitably sized to avoid surge conditions.

### Special conditions of approval (continued)

13. Clear access for the purposes of maintenance or servicing of the pre-treatment device must be maintained at all times.
14. This approval certificate is not an endorsement of the product by Water Corporation, and no claim shall be made in advertising, promotion or other manner to the effect.
15. Water Corporation accepts no responsibility for the effective operation, performance or efficiency of the product. This approval is not an engineering approval or structural endorsement.
16. The proponent of the approved product must formally seek a request for re-approval of the product no later than three (3) months before the assigned **Validity Period** has expired from the **Date Issued** of this approval certificate.
17. Water Corporation reserves the right to vary any requirements at any time. Any application of this condition normally occurs after consultation with the manufacturer, supplier and end business user connected to Water Corporation's sewer.
18. Water Corporation shall be notified in writing if the pre-treatment device is withdrawn from sale.
19. The proponent of the approved product accepts that the information provided in this document shall be made publically available.

### General conditions of approval

Approval shall be **suspended** where any of the following conditions are not met:

1. If there is a breach of the Special Conditions.
2. The assigned **Validity Period** has expired from the **Date Issued** of this approval certificate.
3. The product shall be manufactured in accordance with Water Corporation's requirements at the time of approval.
4. The product shall be manufactured to comply according to the details noted in the approved drawing referenced below, in addition to any further details provided by the proponent when seeking this approval.
5. The product supplied for use in Water Corporation's area of operations shall comply with the requirements shown on this approval certificate. Sizes, classes, lengths or other product variables which are available with the product but which are not approved as listed on this approval certificate shall not be offered by the supplier for use in Water Corporation's area of operations.
6. All discharges to sewer associated with this product must not exceed Water Corporation's *Trade Waste Acceptance Criteria*. Where the discharge *has* or is *likely* to exceed the *Trade Waste Acceptance Criteria* then the Corporation may direct a *specific* or *ongoing* maintenance requirement to be followed.
7. Prior to any business (which is connected to Water Corporation's sewer) installing this product the business must apply to Water Corporation for a *Trade Waste Permit* for approval to discharge.
8. If this certificate has been issued to the manufacturer of this product then it is the responsibility of the manufacturer to ensure all current and future suppliers / vendors of this product are provided a copy of this approval certificate.

Approval shall be **reviewed** where any of the following conditions occur:

1. The product is manufactured with either different materials, methods of manufacture, location of manufacture, source of raw materials, component subcontractors or models to that at the time of approval.
2. The ownership of the primary manufacturer or any subcontractors is varied from that at time of approval.
3. The standards and/or specifications to which the product was required to comply with at the time of approval have been amended or revised. It is the responsibility of the proponent to immediately advise Water Corporation of any changes to the proponent's drawings and installation, operation and maintenance manuals made at the time of approval.
4. The product has been found to sustain damage or provide unsatisfactory performance on occasions of number considered excessive by Water Corporation, when handled, stored, assembled or installed in accordance with the supplier's or manufacturer's written instructions.

<b>Approved drawing(s):</b>	Halgan HADS-WA Averaging Dilution Detail – WA (drawing HADS-WA, Rev A, published 19 Dec 2017)
<b>Authorising person:</b>	Stephen Jerkovic (Team Leader – Investigations)
<b>Date issued</b>	12 February 2020
<b>Validity period:</b>	Five (5) years