

Approval certificate

Trade waste pre-treatment product

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

Attention: Joel Brooks
Web: www.halgan.com.au
Email: info@halgan.com.au

Manufacturer: Halgan Pty Ltd
Address: 10 Davis Road, Wetherill Park NSW 2164

Product description

The Halgan Modular Grease Trap "S" Series (MGTS) is manufactured from polyethylene and is available in six sizes with capacities of 1000, 1500, 2000, 3000, 4000 and 5000 litres with the internal Surge Control Device (SCD). Where two MGTS units are installed in series the first module traps the particles that are easily separated. The secondary and final module settles out lighter particles. All MGTS units have a SCD unit installed at the outlet end (and only in the last unit if two MGTS units are installed in series). The SCD is designed to stabilise high surges and acts as a final filtration of the wastewater before leaving the pre-treatment device.

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

Any proposed installation of an MGTS 3000, 4000, 5000, 5000.2, 6000, 8000 or 10000 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 selected unit is the most appropriate form of pre-treatment. The MGTS 3000, 4000, 5000, 5000.2, 6000, 8000 and 10000 units can only be installed as single units.

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

Approval Number	Model ^{1,2}	Installation Type ³	Max Flow Rate (L/day)	Width (mm)	Length (mm)	Access Lid Height (mm)	Access Lid Type (mm)	Inlet/Outlet Diameter (mm)	Inlet Height (mm)	Outlet Height (mm)
AN-004-01	MGTS1000	AG & BG	1,000	1130	1700	1550	A/B/D Class	100	380	460
AN-004-02	MGTS1500	AG & BG	3,200	1130	2280	1550	A/B/D Class	100	380	460
AN-004-03	MGTS2000	AG & BG	6,400	1130	3010	1550	A/B/D Class	100	380	460
AN-004-04	MGTS3000 ^{1,2}	AG & BG	9,600	1365	3055	1680	A/B/D Class	100	380	460
AN-004-05	MGTS4000 ^{1,2}	AG & BG	12,800	1510	3250	1825	A/B/D Class	100	380	460
AN-004-06	MGTS5000 ^{1,2}	AG & BG	16,000	1625	3200	1940	A/B/D Class	100	371	451
AN-004-07	MGTS5000.2 ^{1,2}	BG	16,000	1650	3950	1854	B/D Class	100	1,170	1,274
AN-004-08	MGTS6000 ^{1,2}	BG	19,200	1650	3950	1854	B/D Class	100	890	1,015
AN-004-09	MGTS8000 ^{1,2}	BG	22,400	2100	3950	2305	B/D Class	100	1,185	1,290
AN-004-10	MGTS10000 ^{1,2}	BG	25,600	2100	3950	2303	B/D Class	100	885	989

1: The MGTS 3000, 4000, 5000, 5000.2, 6000, 8000 and 10000 units can only be installed as single units.

2: Where the installation of the MGTS 3000, 4000, 5000, 5000.2, 6000, 8000 and 10000 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 MGTS 3000, 4000, 5000, 5000.2, 6000, 8000 or 10000 unit is the most appropriate form of pre-treatment.

3: AB – Above Ground; BG – Below Ground

Special conditions of approval

1. Above ground installations must have the plastic stands welded to tank. The tank must be suitably protected from potential impact. The tank must be installed on flat engineered ground.
2. The maximum allowable units in *series* are two (2) units and can only be comprised of the MGTS 1000, 1500 and 2000 units. The total maximum allowable *capacity* of any units in series is therefore 4000 L (2x2000L).
3. Where the installation of the MGTS 3000, 4000, 5000, 5000.2, 6000, 8000 or 10000 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 selected unit is the most appropriate form of pre-treatment.
4. The product shall be *supplied* with manufacturer's installation instructions and recommended procedures for operation and maintenance.
5. The product shall be *supplied* with manufacturer's installation instructions and recommended procedures for operation and maintenance.

Approval certificate

Trade waste pre-treatment product

Special conditions of approval (continued)

6. The product shall be *installed* by a licensed plumber according to the *Plumbing Standards* and *serviced* strictly in accordance with the manufacturer's written instructions, with particular emphasis on the following:
 - a. *Modular Grease Trap (MGT), Modular Grease Trap "S" Series (MGTS) Installation Requirements Water Corporation manual (October 2024).*
7. This approval certificate is not a stand-alone document and **must be read** in conjunction with the following Water Corporation documents:
 - a. *Typical Drawings for Trade Waste – Grease Arrestor (HX33-10-00)*
 - b. *Typical Drawings for Trade Waste – Trade Waste Sampling Point (HX33-11-30)*
 - c. *Typical Drawings for Trade Waste – Venting of trade waste grease arrestors and sealed trade waste sampling points (HX33-10-10)*
 - d. *Grease Arrestor Installation Guidelines*
8. Any liquid waste contractors (LWC's) who shall maintain / service these units must be suitably trained and deemed competent as determined by Halgan or Halgan's Authorised Distributor.
9. A maintenance contract is to be in place to ensure the ongoing reliability of the product and that discharges to sewer comply with Water Corporation's *Acceptance Criteria for Trade Waste.*
10. Water Corporation must be notified within fourteen (14) days upon installation of the product.
11. The use of emulsifying agents upstream of the product must not occur. Such instructions must be noted on operating documentation.
12. The product chosen must be suitably sized to avoid surge conditions.
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 publicly 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 drawings** (refer to bottom of page 3) 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.

Approval certificate

Trade waste pre-treatment product

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 a number of occasions considered excessive by Water Corporation, when handled, stored, assembled or installed in accordance with the supplier's or manufacturer's written instructions.

Approved drawing(s):	MGTS1000-WA Rev B (dated 27.06.2024) MGTS1500-WA Rev B (dated 27.06.2024) MGTS2000-WA Rev B (dated 27.06.2024) MGTS3000-WA Rev B (dated 27.06.2024) MGTS4000-WA Rev B (dated 27.06.2024) MGTS5000-WA Rev B (dated 27.06.2024) MGTS5000.2-WA Rev A (dated 10.10.2024) MGTS6000-WA Rev B (dated 04.07.2024) MGTS8000-WA Rev B (dated 04.07.2024) MGTS10000-WA Rev C (dated 04.07.2024)
Authorising person:	Stephen Jerkovic (Specialist – Compliance Operations)
Date issued	10 October 2024
Validity period:	Five (5) years