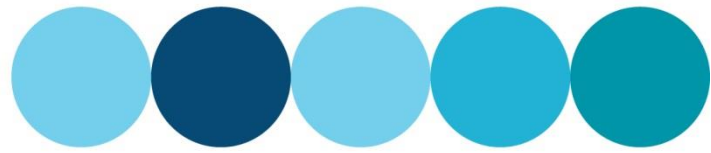


Approval certificate

Trade waste pre-treatment product



Applicant: Naval Base Concrete
Postal address: 23 Beach Street, Kwinana Beach WA 6167
Manufacturer: Naval Base Concrete
Address: 23 Beach Street, Kwinana Beach WA 6167

Attention: Joel Robinson
Web: navalbaseconcrete.com.au
Email: sales.nbc@inet.net.au

Product description

Naval Base Concrete's range of grease arrestors are manufactured from Reinforced Concrete (RC).

The arrestors are supplied in 1kL, 2kL and 10kL capacities. Both rectangular and circular Class D lids configurations are available.

These grease arrestors will typically be used by hotels, restaurants, motels, clubs, shopping complexes and food manufacturing businesses.

Any proposed installation of a 10 kL 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 10 kL units can only be installed as single units.

The acceptance certificate applies to the pre-treatment devices of the following size:

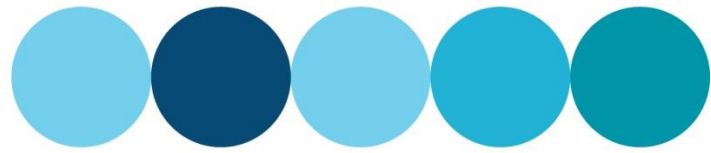
Approval Number	Model	Effective Capacity (L)	Placement	External Dimensions (mm)			Inlet / Outlet Diameter (mm)	Inlet Height ¹ (mm)	Outlet Height ¹ (mm)
				L	W	D			
AN-008-01	1,000	1,091	In-ground	2350	1080	1200	100 / 100	675	625
AN-008-02	2,000	2,083	In-ground	2350	1080	1700	100 / 100	1175	1125
AN-008-03	10,000 ²	10,000	In ground	3320	2520	2250 ³	100 / 100	1330	1760

1: Invert level; 2: Where the installation of the 10 kL unit is 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 10 kL unit is the most appropriate form of pre-treatment; 3: Does not include any risers or lid cover.

Special conditions of approval

- Where the installation of the 10 kL unit is proposed then:
 - A formal Water Corporation Trade Waste plumbing assessment of the overall waste stream processes must first be made (and approved by Trade Waste) to determine if the selected unit is the most appropriate form of pre-treatment.
 - Installation at depths that impact the ability to satisfactorily clean and maintain the grease arrestor as determined by Water Corporation may result in the installation not being approved.
- The product shall be *supplied* with manufacturer's installation instructions and recommended procedures for operation and maintenance.
- The product shall be *installed* by a licensed plumber and *maintained* strictly in accordance to the following Naval Base Concrete documentation:
 - 1,000 L and 2,000L Passive Grease Arrestor Unit Installation, Operation, and Maintenance Manual (18150.99-1, 06 Apr 2020, Rev A)
 - 10,000 L Passive Grease Arrestor Unit Installation, Operation, and Maintenance Manual (18150.03, 28 Oct 2019, Rev B)
- This approval certificate is not a stand-alone document and **must be read** in conjunction with the following Water Corporation documents:
 - [Typical Drawings for Trade Waste – Grease Arrestor \(HX33-10-00\)](#)
 - [Grease Arrestor Installation Guidelines \(PUB-23-B\)](#)
- 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.
- The product chosen must be suitably sized to avoid surge conditions.
- Clear access for the purposes of maintenance or servicing of the pre-treatment device must be maintained at all times.
- 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.

Approval certificate



Trade waste pre-treatment product

Special conditions of approval (continued)

11. 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.
12. 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.
13. 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.
14. Water Corporation shall be notified in writing if the pre-treatment device is withdrawn from sale.
15. 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 drawings listed 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.

Approved drawing(s): As per drawings:

- Plan and Details of Tank (00036-S01, Rev F, dated 09 Aug 2017)
- Plan and Details of Lid (00036-S02, Rev C, dated 08 Jun 2011)
- Grease Arrestor Layout (00036-S10, Rev 3, dated 28 Sep 2017)
- 1000L Grease Arrestor Layout (00036-S11, Rev C, dated 09 Aug 2017)
- Plan and Details of Circular Lid (00036-S20, Rev B, dated 03 Apr 2020)
- NBC 10,000 L GT Design: Details (18150.01-S-100, Rev C, dated 10 Jan 2020)
- NBC 10,000 L GT Design: Structural Details (18150.02-S-100, Rev B, dated 10 Jan 2020)

Authorising person: Stephen Jerkovic (Team Leader – Investigations)

Date issued 07 April 2020

Validity period: Five (5) years