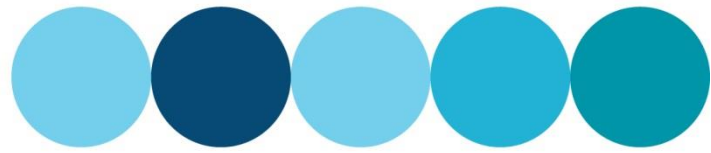


Approval certificate

Trade waste pre-treatment product



Applicant: ACO Pty Ltd
Postal address: 134-140 Old Bathurst Rd, Emu Plains, NSW, 2750

Attention: Ben Williams
Web: www.acoaus.com.au

Manufacturer: ACO Pty Ltd
Address: 134-140 Old Bathurst Rd, Emu Plains, NSW, 2750

Email: Ben.Williams@aco.com

Product description

The ACO Passavant Lipumax grease separator is designed to remove waste fats, oils and grease (FOG) from commercial trade waste streams from commercial kitchens and food processing industries.

The Basic product range is manufactured from polyethylene or glass reinforced plastic. Nominal effective capacities vary from 720L to 5,000L depending on the model.

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

Approval Number	Model	Effective Capacity (L)	Placement	External Dimensions (mm)			Inlet Height (mm)	Outlet Height (mm)	Material of Construction
				L	W	D			
AN-058-01	P-B Basic NS 2	720	below ground	N/A	1,320	1,377	1022 ⁵	952 ⁵	polyethylene
AN-058-02	P-B Basic NS 4	1,465	below ground	N/A	1,320	2,129	1774 ⁵	1704 ⁵	polyethylene
AN-058-03	P-B Basic NS 7	1,675	below ground	N/A	1,320	2,346	1956 ⁵	1886 ⁵	polyethylene
AN-058-05	P-B Basic NS 10	2,170	below ground	N/A	1,320	2,828	2438 ⁵	2368 ⁵	polyethylene
AN-058-06	Lipumax-G NS 15	3,000 ^{1,2}	below ground	N/A	2,040	2,250	1365 ⁵	1295 ⁵	GRP ³
AN-058-07	Lipumax-G NS 20	4,000 ^{1,2}	below ground	N/A	2,040	2,585	1630 ⁵	1560 ⁵	GRP ³
AN-058-08	Lipumax-G NS 25	5,000 ^{1,2}	below ground	N/A	2,440	2,530	1410 ⁵	1340 ⁵	GRP ³
AN-058-09	Lipumax PPE	1,000	below ground	N/A	1,944	1,400	470 ⁶	540 ⁶	PP ⁴
AN-058-10	Lipumax PPE	1,500	below ground	N/A	1,645	1,400	485 ⁶	555 ⁶	PP ⁴
AN-058-11	Lipumax PPE	2,000	below ground	N/A	2,117	1,400	655 ⁶	725 ⁶	PP ⁴
AN-058-12	Lipumax PPE	3,000	below ground	N/A	1,702	1,950	520 ⁶	590 ⁶	PP ⁴
AN-058-13	Lipumax PPE	4,000	below ground	N/A	2,095	1,950	480 ⁶	550 ⁶	PP ⁴
AN-058-14	Lipumax PPE	5,000	below ground	N/A	2,397	1,950	510 ⁶	580 ⁶	PP ⁴

1: The NS 15, NS 20 or NS 25 units can only be installed as single units.

2: Where the installation of the NS 15, NS 20 or NS 25 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 NS 15, NS 20 or NS 25 unit is the most appropriate form of pre-treatment.

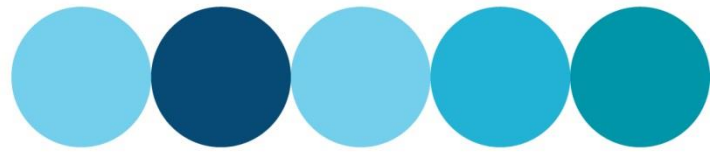
3: GRP – glass reinforced plastic. 4: PP – Polypropylene 5: Taken from base of tank 6: Invert to top of tank

Special conditions of approval

- The product shall be *supplied* with manufacturer's installation instructions and recommended procedures for operation and maintenance. The product must also have suitable and permanent identification on the inside lip of the vessel just beneath the cover clearly identifying the model number and effective capacity of the product.
- The product shall be *installed* and *maintained* strictly in accordance to the following ACO documentation:
 - ACO Passavant Installation Guide – Lipumax Grease Trap (version 5, dated 31 October 2023)
 - ACO Passavant Installation Guide – Lipumax PPE Grease Trap (version 2, dated 25 September 2023)
 - ACO Passavant Installation Guide – Appendix – Lipumax PPE Grease Trap – State Water Authorities (version 1. Dated 3 October 2023)
- 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 \(PUB-23-B\)](#)
 - [Typical Drawing - Trade Waste Sampling Point \(HX-20-00\)](#)
 - [Typical Drawing - Trade Waste Monitoring Point \(HX33-11-30\)](#)
 - [Typical Drawings - Venting Trade Waste Grease Arrestors and Sealed Trade Waste Sampling Points \(HX33-10-10\)](#)

Approval certificate

Trade waste pre-treatment product



Special conditions of approval (continued)

4. A maintenance contract is to be in place to ensure the ongoing reliability of the product.
5. Water Corporation must be notified within fourteen (14) days upon installation of the product.
6. The use of emulsifying agents upstream of the product must not occur. Such instructions must be noted on operating documentation.
7. The product chosen must be suitably sized to avoid surge conditions.
8. Clear access for the purposes of maintenance or servicing of the pre-treatment device must be maintained at all times.
9. 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.
10. 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.
11. 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.
12. 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.
13. Water Corporation shall be notified in writing if the pre-treatment device is withdrawn from sale.
14. 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 **referenced documents 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*.
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): ACO Passavant Installation Guide – Lipumax Grease Trap (Version 5, dated 31 October 2023).

ACO Passavant Installation Guide – Lipumax PPE Grease Trap (Version 2, dated 25 September 2023)

Authorising person: Stephen Jerkovic – Team Leader – Investigations

Date issued 17 November 2023

Validity period: Two (2) years