

Approval certificate

Trade waste pre-treatment product



Applicant: GRAF Australia Pty Ltd
Postal address: PO Box 1182, Bibra Lake WA 6965

Attention: Esun Mazinani
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Manufacturer: GRAF Plastics Australia Pty Ltd
Address: 43B Sparks Road Henderson WA 6166

Product description

The GRAF Australia range of passive grease arrestors are designed to trap and remove grease, fat and oil from commercial kitchens. GRAF trade waste tanks are manufactured from roto-moulded polyethylene (PE) materials, which are UV stabilised.

The product range offers three models of varying sizes (Sapphire – four makes; Diamant series – two makes; and SC – six makes).

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

Approval Number	Model	Make	Installation Type	Operating Capacity (L)	Diameter (mm)	Width (mm)	Length (mm)	Height (mm)	Access Lid Type	Inlet/Outlet Diameter (mm)	Inlet Height ³ (mm)	Outlet Height ³ (mm)
AN-079-01	Sapphire	KLsepa.pop-600L	Below	600	1,125	N/A	N/A	1,040 ¹	Cast iron concrete infill	100/110	835	765
AN-079-02	Sapphire	KLsepa.pop-900L	Below	900	1,155	N/A	N/A	1,345 ¹	Cast iron concrete infill	100/110	1,050	980
AN-079-03	Sapphire	KLsepa.pop-1,200L	Below	1,200	1,155	N/A	N/A	1,670 ¹	Cast iron concrete infill	100/110	1,375	1,305
AN-079-06	Sapphire	KLsepa.pop-1,500L ⁴	Below	1,500	1,155	N/A	N/A	1,980 ¹	Cast iron concrete infill	110/110	1,773	1,703
AN-079-04	Diamant	KLsepa.pop-2,200L ⁵	Below	2,200	N/A	1,150	2,450	1,655 ²	Cast iron concrete infill	160/160	1,085	1,005
AN-079-05	Diamant	KLsepa.pop-3,350L ⁵	Below	3,350	N/A	1,400	2,450	1,905 ²	Cast iron concrete infill	160/160	1,280	1,210
AN-079-06	SC	2,000 L ⁵	Below	2,000	N/A	1,180	3,000	1,475-1,775 ²	Cast iron concrete infill	110/110	855	785
AN-079-07	SC	3,000 L ⁵	Below	3,000	N/A	1,415	3,000	1,715-2,015 ²	Cast iron concrete infill	110/110	1,100	1,030
AN-079-08	SC	4,000 L ⁵	Below	4,000	N/A	1,565	3,000	1,880-2,180 ²	Cast iron concrete infill	100/110	1,260	1,190
AN-079-09	SC	5,000 L ⁵	Below	5,000	N/A	1,735	3,000	2,045-2,345 ²	Cast iron concrete infill	100/110	1,385	1,315
AN-079-10	SC	8,000 L ⁵	Below	8,000	N/A	2,240	3,490	2,650-2,950 ²	Cast iron concrete infill	100/110	1,920	1,850
AN-079-11	SC	10,000 L ⁵	Below	10,000	N/A	2,240	3,490	2,650-2,950 ²	Cast iron concrete infill	100/110	1,950	1,880

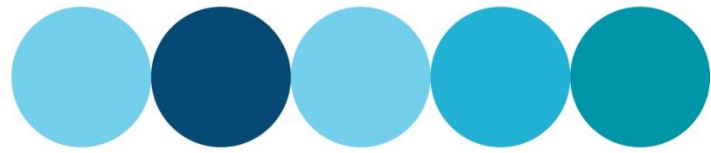
1: Not including riser or lid cover; 2: Including riser; 3: From base; 4: The Sapphire 1,500 L unit no risers can be used. Where the installation of a riser is proposed then a formal Water Corporation Trade Waste plumbing assessment of the overall waste stream processes must first be made (and approved) to determine if the Sapphire 1,500 L unit is the most appropriate form of pre-treatment.; 5: The Diamant and SC units can only be installed as single units. Where the installation of the Diamant or SC 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 Diamant or SC unit is the most appropriate form of pre-treatment.

Special conditions of approval

- 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 following GRAF Australia documentation (specific to Water Corporation area of operations):
 - Assembly and Installation Instructions Grease Separator KLsepa.pop* (MNL-047_5).
 - Operating Manual for Grease Separator Systems KLsepa.pop* (OTT-UND-ENG-GOS-MNL-005_1).
 - Assembly and Installation Instructions Grease Arrestor SC 2000 & 3000* (MNL_081_1).
 - Assembly and Installation Instructions Grease Arrestor SC 4000, 5000, 8000 & 10000* (MNL_082_1).
- 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 \(HX33-10-00\)](#)
 - [Typical Drawings for Trade Waste – Trade Waste Sample Point \(HX33-11-30\)](#)
 - [Grease Arrestor Installation Guidelines](#)
- 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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Special conditions of approval (cont.)

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 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 drawings noted 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:

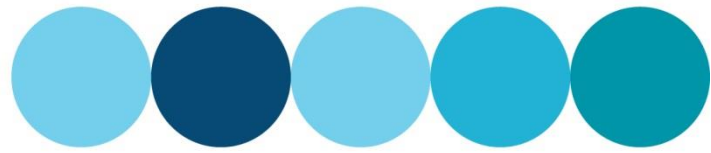
1. The product is manufactured with either different materials, methods of manufacture, location of manufacture, source of raw materials, component subcontractors or models to that at the time of approval.
2. The ownership of the primary manufacturer or any subcontractors is varied from that at time 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):

Grease separator KLsepa.pop NS1 (108000, 108050). Drawn 2016.11.03.
Grease separator KLsepa.pop NS2 (108001, 108051). Drawn 2016.11.03.
Grease separator KLsepa.pop NS2 (108002, 108052). Drawn 2016.11.03.
Grease separator KLsepa.pop NS2 (108003, 108053). Drawn 2016.11.03.
Grease separator KLsepa.pop NS2 (108004, 108054). Drawn 2016.11.03.

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Grease separator KLsepa.pop NS4 (108005, 108055). Drawn 2016.11.03.
GRAF Grease Arrestor 1,500 L (30.0016 / 30.0026). Drawn 2021.05.18.
Grease separator KLsepa.pop NS4 (108006, 108056). Drawn 2016.11.16.
Grease separator KLsepa.pop NS7 (108007, 108057). Drawn 2016.11.16.
Grease separator KLsepa.pop NS10 (108008, 108058). Drawn 2016.11.16.
Grease separator KLsepa.pop NS15 (108009, 108059). Drawn 2019.09.04.
Grease Arrestor SC 2000 (31.0014/31.0024). Drawn 2021.08.23
Grease Arrestor SC 3000 (31.0015/31.0025). Drawn 2021.08.24
Grease Arrestor SC 4000 (31.0016/31.0026). Drawn 18.10.2021
Grease Arrestor SC 5000 (31.0017/31.0027). Drawn 2021.10.18
Grease Arrestor SC 8000 (31.0018/31.0028). Drawn 18.10.2021
Grease Arrestor SC 10000 (31.0019/31.0029). Drawn 18.10.2021

Authorising person: Stephen Jerkovic (Team Leader – Investigations)
Date issued 04 February 2020
Validity period: Five (5) years