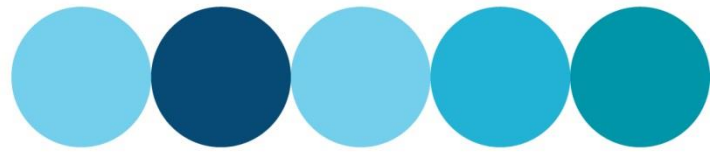


Approval certificate

Trade waste pre-treatment product



Applicant: GRAF Australia Pty Ltd
Postal address: 43b Sparks Road, Henderson 6166 WA

Attention: Ingrid Custodio
Web: www.grafaustralia.com.au
Email: i.custodio@grafaustralia.com.au

Manufacturer: GRAF Australia Pty Ltd & Otto Graf GmbH
Address: 43b Sparks Road, Henderson 6166 WA and Teningen, Germany

Product description

The GRAF Australia range of oil water separators are designed to trap and separate machine oil and water from mechanical, commercial and industrial applications. It does not apply to grease and oils of vegetable or animal origin nor to separation of emulsions or solutions. GRAF trade waste tanks are manufactured from roto-moulded polyethylene (PE) materials, which are UV stabilised.

The product range offers **three Class I models** of varying sizes (Saphir – four makes; Diamant series – four makes; and SC six makes).

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

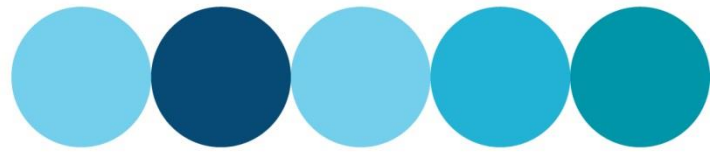
Approval Number	Model	Make	Installation Type	Operating Capacity ¹ (L/h)	Diameter (mm)	Width (mm)	Length (mm)	Height (mm)	Access Lid Type ⁴	Inlet/Outlet Diameter (mm) ⁵	Inlet Height ⁶ (mm)	Outlet Height ⁶ (mm)
AN-090-01	Saphir	NS3-300	Below	10,800	1,155	N/A	N/A	1,345 ²	Various	110 / 110	1,000	1,000
AN-090-02	Saphir	NS3-400	Below	10,800	1,155	N/A	N/A	1,670 ²	Various	110 / 110	1,320	1,320
AN-090-03	Saphir	NS3-600	Below	10,800	1,155	N/A	N/A	1,670 ²	Various	110 / 110	1,320	1,320
AN-090-04	Saphir	NS6-600	Below	21,600	1,155	N/A	N/A	1,670 ²	Various	110 / 110	1,320	1,320
AN-090-05	Diamant	NS6-1300	Below	21,600	N/A	1,150	2,450	1,655 ³	Various	110 / 110	1,090	1,090
AN-090-06	Diamant	NS10-1300	Below	36,000	N/A	1,150	2,450	1,655 ³	Various	110 / 110	1,090	1,090
AN-090-07	Diamant	NS10-2000	Below	36,000	N/A	1,400	2,450	1,905 ³	Various	110 / 110	1,280	1,280
AN-090-08	Diamant	NS15-2000	Below	54,000	N/A	1,400	2,450	1,905 ³	Various	110 / 110	1,280	1,280
AN-090-09	SC	2000	Below	36,000	N/A	1,180	3,000	1,100 ²	Various	110 / 110	855	855
AN-090-10	SC	3000	Below	54,000	N/A	1,415	3,000	1,340 ²	Various	110 / 110	1,070	1,070
AN-090-11	SC	4000	Below	54,000	N/A	1,565	3,000	1,520 ²	Various	110 / 110	1,220	1,220
AN-090-12	SC	5000	Below	54,000	N/A	1,735	3,000	1,685 ²	Various	110 / 110	1,350	1,350
AN-090-14	SC	10000	Below	54,000	N/A	2,240	3,490	2,290 ²	Various	110 / 110	1,975	1,975

1: Based on instantaneous flow rate (L/s). The instantaneous flow rate (L/s) must not be exceeded; 2: Not including riser or lid cover; 3: From inlet side, not including riser; 4: Polyethylene, cast iron, stainless steel and concrete infill; 5: 160 mm & 200 mm also available; 6: From base.

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 *serviced* strictly in accordance with the manufacturer's written instructions and the *Plumbing Standards*, with particular emphasis on the following:
 - Assembly and Installation Instructions Oil Water Separator KLsepa.compact* (MNL-062_2, published 2021-09).
 - Operating and Maintenance Manual for Oil Water Separator Systems KLsepa.compact* (MNL-059_2, published 2021-09).
 - Operating and Maintenance Instructions - Oil Water Separators SC Series* (MNL-091_5, received Tue 28 May 2024)
 - Assembly and Installation Instructions – Trade Waste Range* (MNL-087_6, received Wed 15 May 2024)
 - Operational Log* (FRM-117_1, received Tue 28 May 2024)
 - Flow rates entering from pumped discharges must not exceed the rated treatment capacity of the selected model.
 - A Trade Waste Sampling Point (TWSP) must be installed according to the Corporation's typical drawings.
 - The oil sensor is not optional and must be installed.**
 - The silt sensor is not optional and must be installed.**
 - The oil stop valve is not optional and must be installed.**
 - The outer stainless steel mesh pre-filter to the coalescence unit is not optional and must be installed.**
- This approval certificate is not a stand-alone document and **must be read** in conjunction with Water Corporation's Typical Drawings for Trade Waste:
 - Trade Waste Sample Point* (HX33-11-30) and
 - Sealed Trade Waste Sampling Points* (HX33-10-10)
- 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*.
- 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.

Approval certificate



Trade waste pre-treatment product

Special conditions of approval (continued)

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 approved manuals 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 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):**
- (i) GRAF Assembly and Installation Instructions - Oil Water Separator KLsepa.compact (MNL-062_2, 2021-09)
 - (ii) GRAF Oil Water Separator SC 2000 (article 31.0704, dated 2024.05.08)
GRAF Oil Water Separator SC 3000 (article 31.0705, dated 2024.05.08)
GRAF Oil Water Separator SC 4000 (article 31.0706, dated 2024.05.08)
GRAF Oil Water Separator SC 5000 (article 31.0707, dated 2024.05.08)
GRAF Oil Water Separator SC 10000 (article 31.0709, dated 2024.05.08)

Authorising person: Stephen Jerkovic (Team Leader – Investigations)

Date issued 28 May 2024

Validity period: Two (2) years