

Approval Certificate

Trade waste pre-treatment product

Applicant: AVEM Pty Ltd
Postal address: 1-7 Ausco Place
DANDENONG SOUTH, VIC, 3175
Manufacturer: Environmental Products and Services Ltd
Address: 5 Shepherd's Drive, Cambane Industrial Estate, NEWRY, Northern Ireland, BT356JQ

Attention: Arno Rieuwers
Web: www.avem.com.au
Email: sales@avem.com.au

Product/Device Description

The Grease Shield 1850 AST CRM-4 active grease separator is designed to trap and remove grease, fat and oil from rotisseries, combination ovens, woks, work stations and pot wash sinks.

Within the heated unit the fats, oil and grease (FOG) are skimmed out of the retention area by means of a rotating oleophilic roller. The FOG is scraped off by means of a silicone blade, which is attached to the FOG collection canister located at the side of the unit. Solids from the incoming waste stream are initially captured by a fixed filter screen. The solids are then disposed of by an auger into another separate waste container. Both the oil and solid waste containers are designed for easy removal.

The product is manufactured from 304 stainless steel.

The approval certificate applies to the pre-treatment product:

Approval Number	Model	Material of Construction	Flow Rate (L/s) ²	Dimensions (mm)			Required Clearance for Maintenance (mm)			
				Height	Length	Width	Above	Right Side	FOG Canister	Solids Canister
AN-052-01	GS 1850 AST CRM-4	304 SS ¹	0.44	435	836	447	250	250	246 x 377	380 x 242

1: 304 SS = 304 Stainless Steel; 2: Based on Plumbing and Drainage Institute (PDI) testing. Normal operation mode.

Special Conditions of Approval

1. **Connection of the product must be upstream of an appropriately sized Water Corporation accepted grease arrestor.**
2. The product shall be *supplied* with manufacturer's installation instructions and recommended procedures for operation and maintenance.
3. The product shall be *installed* strictly in accordance with the manufacturer's written instructions and performed by a licensed plumber. **The product cannot be used downstream of glass washers or dish washers.**
4. A maintenance contract is to be in place to ensure the ongoing reliability of the product. The devices must be cleaned at least every six (6) months and no later than every twelve (12) months, preferably by a qualified service agent.
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 product must be maintained at all times, as per supplied dimensions.
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.
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 product is withdrawn from sale.
14. The proponent of the approved product accepts that the information provided in this document shall be made publically available.

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General Conditions of Approval

Approval shall be **suspended** where any of the following conditions are not met:

1. The assigned **Validity Period** has expired from the **Date Issued** of this approval certificate.
2. The product shall be manufactured in accordance with Water Corporation's requirements at the time of approval.
3. The product shall be manufactured to comply according to the details noted in page 17/45 in *GreaseShield™ Product Appraisal WAS-PS-805-TWA 1109, May 2014, GS1850 AST CRM4 Active Grease Separator for Woolworths Chicken Cookers* (dated 28th March 2014, Issue D) in addition to any further details provided by the proponent when seeking this approval.
4. 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.
5. All discharges to sewer associated with this product must not exceed Water Corporation's *Trade Waste Acceptance Criteria*.
6. 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.
7. 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.
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 noted on *GreaseShield™ Product Appraisal WAS-PS-805-TWA 1109, May 2014, GS1850 AST CRM4 Active Grease Separator for Woolworths Chicken Cookers* (dated 28th March 2014, Issue D)

Authorising person:

Stephen Jerkovic (Supervisor Investigations)

Date issued

11 May 2016

Validity period:

Five (5) years