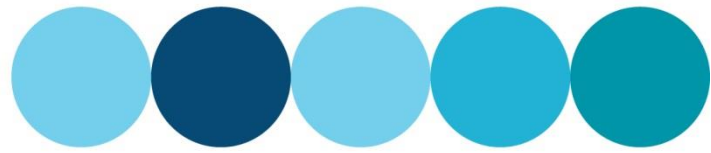


# Approval certificate

## Trade waste pre-treatment product



**Applicant:** Viking Plastics Engineering Pty Ltd  
**Postal address:** 143 Woodlands Drive Braeside VIC 3195

**Attention:** David Brumby  
**Web:** [vikingplastics.com.au](http://vikingplastics.com.au)  
**Email:** [info@vikingplastics.com.au](mailto:info@vikingplastics.com.au)

**Manufacturer:** Viking Plastics Engineering Pty Ltd  
**Address:** 143 Woodlands Drive Braeside VIC 3195

### Product description

The Viking range of passive grease arrestors are designed to trap and remove grease, fat and oil from commercial kitchens. Viking trade waste tanks are manufactured from sheet polypropylene (PP) and/or polyethylene (HDPE) materials, the majority of these materials are UV stabilised. Construction methods are described as 'Thin-skin' or 'Paneltim™'.

*Thin-skin* below ground tanks are manufactured from 6mm thick PP and must be surrounded with 100mm of concrete during installation. Keying strips on the exterior of the tank allow reinforcing bars to be placed around the tank and secure the tank into the concrete. *Paneltim™* tanks are manufactured from PP or PE material with a 50mm thick closed cell honeycomb type structure, with a wall thickness of 4.5mm. Below ground tanks are fitted with concrete infill access covers manufactured to Australian Standards to suit expected traffic conditions. The lids provide full access to the inside of the tank for maintenance purposes.

Below ground tanks can be supplied with riser extensions to suit required invert levels if need be.

*Paneltim™* above ground tanks are self-supporting. These tanks can be fitted with either screw-in access openings or hinged access lids. Hinged lids provide access to the tank for maintenance purposes. Screw-in lids are suitable for smaller tanks up to 4000L.

*Thin-skin* above ground tanks are fitted with external steel support frames.

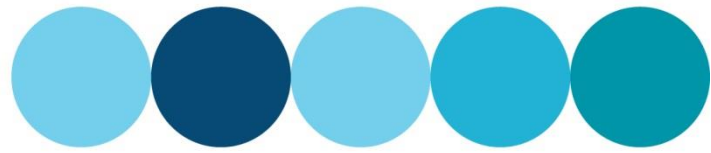
The approval certificate applies to the pre-treatment products of the following sizes:

Approval Number	Model	Make	Install Type <sup>1</sup>	Capacity (L)	Width (mm)	Length (mm)	Height <sup>3</sup> (mm)	Access Lid Type	Inlet/Outlet Diameter (mm)	Inlet Height <sup>7</sup> (mm)	Outlet Height <sup>7</sup> (mm)
AN-070-01	WP9BG540	Thin-Skin	Below	540	750 <sup>2</sup>	1,238 <sup>2</sup>	906	GSCI <sup>8</sup>	100	656	606
AN-070-02	WP9BG730	Thin-Skin	Below	730	750 <sup>2</sup>	1,380 <sup>2</sup>	1,006	GSCI <sup>8</sup>	100	756	706
AN-070-03	WP9BG1000	Thin-Skin	Below	1,000	750 <sup>2</sup>	1,388 <sup>2</sup>	1,266	GSCI <sup>8</sup>	100	1,016	966
AN-070-04	WP9BG1250	Thin-Skin	Below	1,250	750 <sup>2</sup>	1,388 <sup>2</sup>	1,506	GSCI <sup>8</sup>	100	1,256	1,206
AN-070-05	WP9BG1500	Thin-Skin	Below	1,500	750 <sup>2</sup>	1,388 <sup>2</sup>	1,406	GSCI <sup>8</sup>	100	1,156	1,106
AN-070-06	WP9BG2000	Thin-Skin	Below	2,000	750 <sup>2</sup>	2,388 <sup>2</sup>	1,426	GSCI <sup>8</sup>	100	1,176	1,126
AN-070-47	WP9BG2500	Thin-Skin	Below	2,500	900 <sup>2</sup>	2,388 <sup>2</sup>	1,466	GSCI <sup>8</sup>	100	1,216	1,166
AN-070-48	WP9BG3000	Thin-Skin	Below	3,000	900 <sup>2</sup>	2,888 <sup>2</sup>	1,456	GSCI <sup>8</sup>	100	1,206	1,156
AN-070-42	WP9BG4000	Thin-Skin	Below	4,000	900 <sup>2</sup>	2,888 <sup>2</sup>	1,836	GSCI <sup>8</sup>	100	1,586	1,536
AN-070-43	WP9BG5000	Thin-Skin	Below	5,000	900 <sup>2</sup>	3,888 <sup>2</sup>	1,706	GSCI <sup>8</sup>	100	1,456	1,406
AN-070-07	WP9AG540	Thin-Skin	Above	540	750 <sup>4</sup>	1,250 <sup>4</sup>	976	Gas tight plastic	100	716	666
AN-070-08	WP9AG730	Thin-Skin	Above	730	750 <sup>4</sup>	1,500 <sup>4</sup>	996	Gas tight plastic	100	736	686
AN-070-09	WP9AG1000	Thin-Skin	Above	1,000	900 <sup>4</sup>	1,500 <sup>4</sup>	1,076	Gas tight plastic	100	816	766
AN-070-10	WP9AG1250	Thin-Skin	Above	1,250	900 <sup>4</sup>	1,500 <sup>4</sup>	1,266	Gas tight plastic	100	1,006	956
AN-070-17	WPT9AG1500	PanelTim	Above	1,500	1,030 <sup>4</sup>	2,160 <sup>4</sup>	1,146 <sup>4</sup>	Gas tight plastic	100	886	836
AN-070-18	WPT9AG2000	PanelTim	Above	2,000	1,030 <sup>4</sup>	2,360 <sup>4</sup>	1,316 <sup>4</sup>	Gas tight plastic	100	1,056	1,006
AN-070-19	WPT9BG540	PanelTim	Below	540	1,000 <sup>5</sup>	1,600 <sup>5</sup>	950 <sup>6</sup>	GSCI <sup>8</sup>	100	700	650
AN-070-20	WPT9BG730	PanelTim	Below	730	1,000 <sup>5</sup>	1,800 <sup>5</sup>	1,050 <sup>6</sup>	GSCI <sup>8</sup>	100	800	750
AN-070-21	WPT9BG1000	PanelTim	Below	1,000	1,000 <sup>5</sup>	1,800 <sup>5</sup>	1,310 <sup>6</sup>	GSCI <sup>8</sup>	100	1,060	1,010
AN-070-22	WPT9BG1250	PanelTim	Below	1,250	1,000 <sup>5</sup>	1,800 <sup>5</sup>	1,550 <sup>6</sup>	GSCI <sup>8</sup>	100	225	300
AN-070-23	WPT9BG1500	PanelTim	Below	1,500	1,000 <sup>5</sup>	2,400 <sup>5</sup>	1,450 <sup>6</sup>	GSCI <sup>8</sup>	100	1,200	1,150
AN-070-24	WPT9BG2000	PanelTim	Below	2,000	1,000 <sup>5</sup>	3,000 <sup>5</sup>	1,470 <sup>6</sup>	GSCI <sup>8</sup>	100	1,220	1,170
AN-070-25	WPT9AG2500 <sup>8</sup>	PanelTim	Above	2,500	1,030 <sup>5</sup>	2,960 <sup>5</sup>	1,316 <sup>6</sup>	Gas tight plastic	100	1,056	1,006
AN-070-26	WPT9AG3000 <sup>8</sup>	PanelTim	Above	3,000	1,130 <sup>5</sup>	3,160 <sup>5</sup>	1,316 <sup>6</sup>	Gas tight plastic	100	1,056	1,006
AN-070-27	WPT9AG4000 <sup>8</sup>	PanelTim	Above	4,000	1,480 <sup>5</sup>	3,160 <sup>5</sup>	1,320 <sup>6</sup>	Gas tight plastic	100	1,060	1,010
AN-070-28	WPT9AG5000 <sup>8</sup>	PanelTim	Above	5,000	1,630 <sup>5</sup>	3,160 <sup>5</sup>	1,440 <sup>6</sup>	Gas tight plastic	100	1,180	1,130
AN-070-32	WPT9BG2500	PanelTim	Below	2,500	1,400 <sup>5</sup>	3,000 <sup>5</sup>	1,510 <sup>6</sup>	GSCI <sup>8</sup>	100	1,260	1,210
AN-070-33	WPT9BG3000	PanelTim	Below	3,000	1,400 <sup>5</sup>	3,600 <sup>5</sup>	1,500 <sup>6</sup>	GSCI <sup>8</sup>	100	1,250	1,200
AN-070-34	WPT9BG4000	PanelTim	Below	4,000	1,400 <sup>5</sup>	3,400 <sup>5</sup>	1,880 <sup>6</sup>	GSCI <sup>8</sup>	100	1,630	1,580
AN-070-35	WPT9BG5000	PanelTim	Below	5,000	1,400 <sup>5</sup>	4,500 <sup>5</sup>	1,750 <sup>6</sup>	GSCI <sup>8</sup>	100	1,500	1,450
AN-070-36	WPT9SUB3000	PanelTim	Below	3,000	1,300 <sup>5</sup>	3,400 <sup>5</sup>	1,550 <sup>6</sup>	GSCI <sup>8</sup>	100	1,260	1,200
AN-070-37	WPT9SUB4000	PanelTim	Below	4,000	1,300 <sup>5</sup>	3,400 <sup>5</sup>	1,930 <sup>6</sup>	GSCI <sup>8</sup>	100	1,630	1,580
AN-070-38	WPT9SUB5000	PanelTim	Below	5,000	1,330 <sup>5</sup>	4,400 <sup>5</sup>	1,700 <sup>6</sup>	GSCI <sup>8</sup>	100	1,400	1,350

1: Above or Below Ground; 2: Internal; 3: Not including lid cover; 4: External, not including any frame; 5: Includes base; 6: Includes base but not lid cover; 7: From base of tank; 8: Galvanised Steel Concrete Infill

# Approval certificate

## Trade waste pre-treatment product



### Special conditions of approval

1. The product shall be *supplied* with manufacturer's installation instructions and recommended procedures for operation and maintenance.
2. The product shall be *installed* and *maintained* strictly in accordance to the following Viking documentation:
  - a. Thin-Skin Tank Below Ground Installation Guidelines (July 2016 – issue 2)
  - b. Paneltim® Tank Below Ground Installation Guidelines (July 2016 – issue 2)
  - c. Riser Installation Guidelines – Thin Skin Tank (October 2016 – issue 2)
  - d. Riser Installation Guidelines – Paneltim™ (October 2016 – issue 2)
  - e. Installation & Cleaning Guidelines - above ground tanks (Oct 2016 issue 2)
3. This approval certificate is not a stand-alone document and **must be read** in conjunction with the following Water Corporation documents:
  - a. [Typical Drawings for Trade Waste – Grease Arrestor \(HX33-10-00\)](#)
  - b. [Grease Arrestor Installation Guidelines](#)
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.

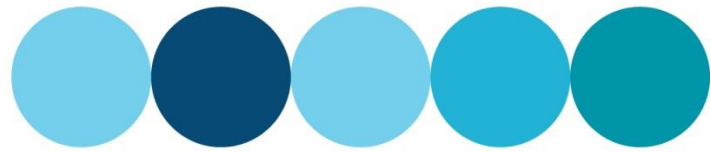
### General conditions of approval

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 drawings 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 certificate

## Trade waste pre-treatment product



### General conditions of approval (continued)

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):

1. WP9BG-540: 540 L Grease Interceptor Below Ground Thin Skinned WA (drawn 24/09/2018)
2. WP9BG-730: 730 L Grease Interceptor Below Ground Thin Skinned WA (drawn 24/09/2018)
3. WP9BG-1000: 1000 L Grease Interceptor Below Ground Thin Skinned WA (drawn 25/09/2018)
4. WP9BG-1250: 1250 L Grease Interceptor Below Ground Thin Skinned WA (drawn 25/09/2018)
5. WP9BG-1500: 1500 L Grease Interceptor Below Ground Thin Skinned WA (drawn 25/09/2018)
6. WP9BG-2500: 2500 L Grease Interceptor Below Ground Thin Skinned WA (drawn 31/05/2019)
7. WP9BG-2000: 2000 L Grease Interceptor Below Ground Thin Skinned WA (drawn 24/09/2018)
8. WP9BG-3000: 3000 L Grease Interceptor Below Ground Thin Skinned WA (drawn 31/05/2019)
9. WP9BG-4000: 4000 L Grease Interceptor Below Ground Thin Skinned WA (drawn 31/05/2019)
10. WP9BG-5000: 5000 L Grease Interceptor Below Ground Thin Skinned WA (drawn 31/05/2019)
11. WP9AG-540: 540 L Grease Interceptor Above Ground Thin Skinned WA (drawn 20/09/2018)
12. WP9AG-730: 730 L Grease Interceptor Above Ground Thin Skinned WA (drawn 20/09/2018)
13. WP9AG-1000: 10000 L Grease Interceptor Above Ground Thin Skinned WA (drawn 24/09/2018)
14. WP9AG-1250: 1250 L Grease Interceptor Above Ground Thin Skinned WA (drawn 24/09/2018)
15. WPT9BG-540: 730 L Grease Interceptor Below Ground PanelTim WA (drawn 26/09/2018)
16. WPT9BG-730: 730 L Grease Interceptor Below Ground PanelTim WA (drawn 26/09/2018)
17. WPT9BG-1000: 1000 L Grease Interceptor Below Ground PanelTim WA (drawn 26/09/2018)
18. WPT9BG-1250: 1250 L Grease Interceptor Below Ground PanelTim WA (drawn 26/09/2018)
19. WPT9BG-1500: 1500 L Grease Interceptor Below Ground PanelTim WA (drawn 26/09/2018)
20. WPT9BG-2000: 2000 L Grease Interceptor Below Ground PanelTim WA (drawn 26/09/2018)
21. WPT9BG-2500: 2500 L Grease Interceptor Below Ground PanelTim WA (drawn 29/05/2019)
22. WPT9BG-3000: 3000 L Grease Interceptor Below Ground PanelTim WA (drawn 30/05/2019)
23. WPT9BG-4000: 4000 L Grease Interceptor Below Ground PanelTim WA (drawn 30/05/2019)
24. WPT9BG-5000: 5000 L Grease Interceptor Below Ground PanelTim WA (drawn 31/05/2019)
25. WPT9SUB-3000: 3000 L Grease Interceptor Sub Below Ground PanelTim WA (drawn 30/05/2019)
26. WPT9SUB-4000: 4000 L Grease Interceptor Sub Below Ground PanelTim WA (drawn 30/05/2019)
27. WPT9SUB-5000: 5000 L Grease Interceptor Sub Below Ground PanelTim WA (drawn 30/05/2019)
28. WPT9AG-1500: 1500 L Grease Interceptor Above Ground PanelTim WA (drawn 01/10/2018)
29. WPT9AG-2000: 2000 L Grease Interceptor Above Ground PanelTim WA (drawn 01/10/2018)
30. WPT9AG-2500: 2500 L Grease Interceptor Above Ground PanelTim WA (drawn 28/05/2019)
31. WPT9AG-3000: 3000 L Grease Interceptor Above Ground PanelTim WA (drawn 28/05/2019)
32. WPT9AG-4000: 4000 L Grease Interceptor Above Ground PanelTim WA (drawn 29/05/2019)
33. WPT9AG-5000: 5000 L Grease Interceptor Above Ground PanelTim WA (drawn 29/05/2019)

**Authorising person:** Stephen Jerkovic (Team Leader – Investigations)

**Date issued** 02 March 2021

**Validity period:** Five (5) years