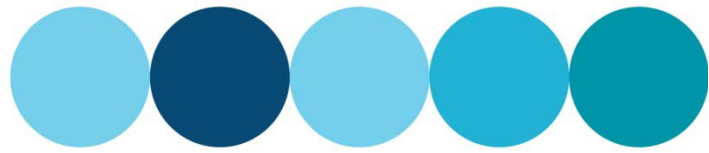


Approval certificate

Trade waste pre-treatment product



Applicant: Opie Manufacturing Group Pty Ltd
Postal address: 6 Bromley Road Emu Plains NSW 2750

Attention: Tristan Opie
Web: www.opiegroupp.com.au
Email: info@laserandpress.com.au

Manufacturer: Opie Manufacturing Group Pty Ltd
Address: 6 Bromley Road Emu Plains NSW 2750

Product/device description

The Opie in-sink and in-floor waste arrestors are intended to be fitted to commercial or industrial sinks to capture and retain solid waste that would normally finish in the sewerage system.

Solid waste is captured in a perforated basket contained within the main body of the arrestor device. Retained solids are then removed to waste. A fixed perforated screen to the bottom of the main body prevents any solid waste entering the sewer if the basket is accidentally or deliberately left out of the arrestor device.

This acceptance certificate applies to the pre-treatment devices tabulated below:

Approval Number	Model	Application	Body & Grate			Fixed Screen			Removable Basket			
			McC ¹	OS ²	OWA ³	McC ¹	HS ⁴	NoH ⁵	McC ¹	HS ⁴	NoH ⁵	BV ⁶
AN-031-01	AT1	In-Floor DBA	SS ⁷	96	6,881	SS ⁷	4	540	SS ⁷	4	1,431	4,509
AN-031-02	AT1 HST	In-Floor DBA	SS	96	6,881	SS	4	540	SS	4	1,431	4,509
AN-031-03	AT1 100S	In-Floor DBA	SS	96	6,881	SS	4	540	SS	4	630	1,904
AN-031-04	AT2	In-Floor DBA	SS	96	6,881	SS	4	268	SS	4	630	1,535
AN-031-05	AT2 HST	In-Floor DBA	SS	96	6,881	SS	4	268	SS	4	630	1,535
AN-031-06	AT5	In-Floor DBA	SS	96	1,583	SS	4	126	SS	4	289	483
AN-031-07	AT5 HST	In-Floor DBA	SS	96	1,583	SS	4	126	SS	4	289	483
AN-031-08	AT6	In-Floor DBA	SS	96	6,881	SS	4	93	SS	4	616	1,711
AN-031-09	AT6 YUM	In-Floor DBA	SS	96	6,881	SS	4	93	SS	4	690	2,210
AN-031-10	AT8	In-Floor DBA	SS	96	6,881	SS	4	93	SS	4	306	316
AN-031-11	AT9	In-Floor DBA	SS	96	6,881	SS	4	93	SS	4	1,536	4,826
AN-031-12	FFW1	FFW w/ IDBA ⁸	SS	96	6,881	SS	4	93	SS	4	380	1,392
AN-031-13	CKT125	IFT w/ IDBA ¹¹	SS	96	1,583	SS	4	126	SS	4	289	483
AN-031-14	CKT150	IFT w/ IDBA	SS	96	6,881	SS	4	268	SS	4	630	1,535
AN-031-15	CKT200	IFT w/ IDBA	SS	96	6,881	SS	4	540	SS	4	1,431	4,509
AN-031-16	ISW50	In Sink DBA	SS	50 ⁹	2,206	SS	4	21	SS	4	224	353
AN-031-17	WSCK1BV	In Sink DBA	SS	50 ¹⁰	2,463	SS	4	268	SS	4	630	1,535
AN-031-18	AT7	In-Floor DBA	SS	96	6,881	SS	4	268	SS	4	630	1,535

KEY - 1: MoC = Material of Construction
4: HS = Hole Size (mm). Holes are round.
7: SS = Stainless Steel
10: BSP female
2: OS = Outlet Size (mm)
5: NoH = Number of Holes
8: FFW w/ IDBA = Flushing Floor Waste with Integrated Dry Basket Arrestor
11: IFT w/ IDBA = In Floor Trough with Integrated Dry Basket Arrestor
3: OWA = Outlet Waterway Area (mm²)
6: BV = Basket Volume (cm³)
9: BSP male

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* by a licensed plumber strictly in accordance with the manufacturer's written instructions and the *Plumbing Standards*.
3. This approval certificate is not a stand-alone document and **must be read** in conjunction with Water Corporation's *Typical Drawings for Trade Waste – DN100 Trade Waste Trap With Floor Strainer Unit (HX33-11-10) - Sink Strainer Units (HX33-11-20)*.
4. The product shall be *maintained* to ensure the ongoing reliability of the product.
5. The product chosen must be suitably sized to avoid surge conditions.
6. Clear access for the purposes of maintenance or servicing of the pre-treatment device must be maintained at all times.
7. 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.
8. 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.

Approval certificate



Trade waste pre-treatment product

Special conditions of approval (continued)

9. 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.
10. 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.
11. Water Corporation shall be notified in writing if the pre-treatment device is withdrawn from sale.
12. 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 **WSAA Product Appraisal Report TWA 1004** (published April 2012) 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.
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: <ol style="list-style-type: none">1. Appendix C of WSAA Product Appraisal Report TWA 1004 (published April 2012)2. AT2 Bucket Trap (Weld in type). Drawn 03/11/2011.
Authorising person:	Stephen Jerkovic (Team Leader – Investigations)
Date issued	21 September 2017
Validity period:	Five (5) years