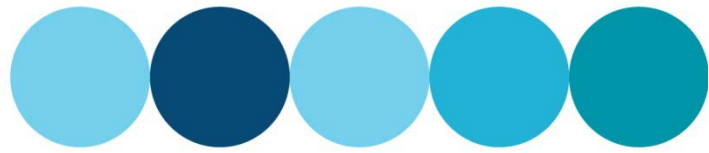


Approval certificate

Trade waste pre-treatment product



Applicant: Galvin Engineering
Postal address: 410 Victoria Road, Malaga WA 6090

Attention: Paul Davis
Web: www.galvinengineering.com.au
Email: sales@galvinengineering.com.au

Manufacturer: Galvin Engineering
Address: 410 Victoria Road, Malaga WA 6090

Product/device description

The Galvin Engineering range of trade waste pre-treatment products are intended for use in commercial or industrial kitchens and facilities to screen out and retain solid waste from the waste water. The products can be applied within the floor or as attachments to sinks.

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

Approval Number	Model	Description	Application	Flow Rate ¹	Body & Grate		Fixed Screen				Removable Basket				
					MoC ²	OS ³	MoC ²	HS ⁴	NoH ⁵	OWA ⁶	MoC ²	HS ⁴	NoH ⁵	OWA ⁶	BV ⁷
AN-027-01	DB4D08S	'Bucket' Floor Trap	In Floor	234-282	Cl ⁸ & NBr ⁹	100	SS ¹⁰	3.25	1,230	9,105	SS	3.25	2,707	22,452	2,200
AN-027-02	DB4S06S	'Bucket' Floor Trap	In Floor	126-282	Cl & NBr	100	SS	3.0	1,521	10,748	SS	3.0	1,237	8,742	522
AN-027-03	DI4M06S	Industrial Floor Trap	In Floor	126-186	NBr & NBr	100	SS	3.0	1,521	10,748	SS	3.0	1,237	8,742	522

KEY - 1: FR = Flow Rate (L/min with 20mm head)
4: HS = Hole Size (mm). Holes are round.
7: BV = Basket Volume (cm³)
10: SS = 316 Stainless Steel

2: MoC = Material of Construction
5: NoH = Number of Holes
8: Cl = Cast Iron

3: OS = Outlet Size (mm)
6: OWA = Open Waterway Area (mm²)
9: NBr = Nickel Bronze

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* 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)*.
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.
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.

Approval certificate

Trade waste pre-treatment product



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 [Galvin Engineering / Red Emperor \(Drain & Cleanout Products\)](#) web page 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): [Galvin Engineering / Red Emperor \(Drain & Cleanout Products\)](#)

Authorising person: Stephen Jerkovic (Team Leader – Investigations)

Date issued 12 July 2018

Validity period: Five (5) years