

RAIN HARVESTING

by Blue Mountain Co

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RAIN HARVESTING

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Easy Fit Tank Screen System (400mm / 16")

Compatible with metal rainwater tanks*



Installation and Specification Guide

PRODUCT DETAILS

System components

Available individually or as kits

Individual products:

TSEF01	Easy Fit Inlet Ring (400mm / 16")
TSEF03	Easy Fit Tank Screen AL (400mm / 16")
TSEF04	Easy Fit Solar Shield (400mm / 16")
TSEF05	Easy Fit Inlet Cover (400mm / 16")
TSEF06	Easy Fit Grommet (44mm)

Kits:

TSEF10	Easy Fit Tank Screen AL Solar Shield Kit (400mm / 16")
TSEF11	Easy Fit Tank Screen AL Inlet Cover Kit (400mm / 16")

FEATURES AND BENEFITS

- Screw-less, clip-on tank screen system for your tank inlet
- Patented clip-on system allows for easy installation and maintenance. No tools required.
- Tank Inlet Ring fits into 400mm / 16" metal tank inlets and provides the base for all other system components to be clipped onto
- Secure and strong clip-on fitment
- Tank Cover Grommets provide a flexible, mosquito-proof pass through option for submersible pump power cables and pressure pipes.

* with a top panel thickness of 0.6mm, and an inlet hole diameter of 375mm +/-5mm

Installation

SYSTEM COMPONENTS – Available individually or as kits

Individual products:

- **TSEF01 Easy Fit Inlet Ring (400mm / 16")**
The inlet ring is required to fit all other components.
- **TSEF03 Easy Fit Tank Screen AL (400mm / 16")**
- **TSEF04 Easy Fit Solar Shield**
- **TSEF05 Easy Fit Inlet Cover**
- **TSEF06 Easy Fit Grommet (44mm)**

Kits:

- **TSEF10 Easy Fit Tank Screen AL Solar Shield Kit (400mm / 16")**
Includes TSEF01 Easy Fit Inlet Ring, TSEF03 Easy Fit Tank Screen AL, and TSEF04 Easy Fit Solar Shield
- **TSEF11 Easy Fit Tank Screen AL Inlet Cover Kit (400mm / 16")**
Includes TSEF01 Easy Fit Inlet Ring and TSEF05 Easy Fit Inlet Cover

TANK INLET RING, TANK SCREEN, SOLAR SHIELD AND TANK COVER

No tools required for the Ring, Tank Screen, Solar Shield and Cover

1. Ensure your tank has a sheet metal top panel (0.6mm thick) with a 375mm ± 5mm diameter inlet hole.
2. Install the Ring component by engaging each of the 3 main clips one at a time. The ring can be flexed to allow each clip to engage with the metal panel.
3. Ensure the 6 small clips in the ring grip underneath the metal panel and the ring is fully seated all the way around.
4. If using a Solar Shield, place it in to the ring so it is suspended in the tank inlet hole with the 3 arms resting in the location features on the ring. If the arms are not properly seated rotate the solar shield until the arms drop in to the location features on the ring.
5. To secure a Tank Screen or Cover, place it over the ring so that the 3 clips on the tank screen align with the clips on the ring. Push down firmly on each of the 3 clips until you hear them click in to place.
6. Ensure all 3 clips are secured.
7. To remove a Tank Screen or Cover, lift each of the release tabs until they disengage and the screen or cover can be lifted off.

NOTE: The Tank Cover is not designed to clip over the Tank Screen.

EASY FIT GROMMET

Tools/materials you may require

- Drill with 44mm / 1¾in hole saw
- Utility knife
- Silicone

Prepare the Grommets:

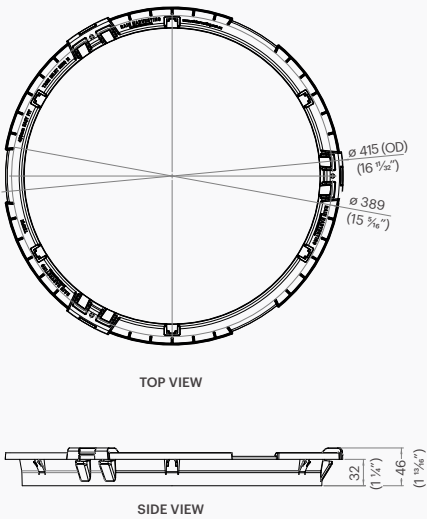
1. The grommet can be used with submersible pump pressure pipe up to up to DN25 (diameter 33.7mm / 1.3in) and power cables. Power cable with a diameter of 9.5mm / ⅜in are best suited.
2. Use a sharp knife to slit along the guide lines to create 8 flap segments. Cut fully along the guide lines for DN25 (diameter 33.7mm / 1.3in), or for smaller pipe sizes only slit as far as needed to be able to push the pipe through without being left with gaps around the pipe.
3. To use with pump power cables, cut through the edge of the grommet to the cable hole along the guideline provided (cut through the edge closest to the hole). This allows the grommet to be clipped on to the power cable prior to installing the grommet.

Install the Grommets:

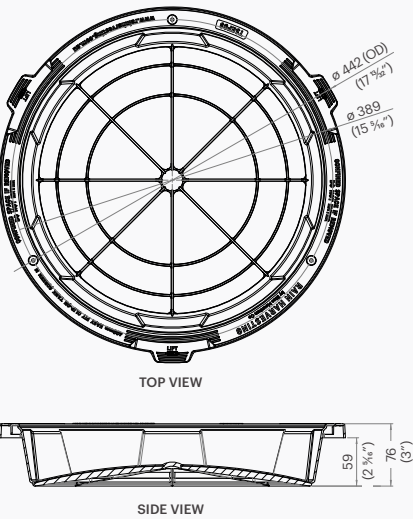
4. Use a 44mm / 1¾in hole saw to cut a hole through the cover at any of the 6 designated locations marked on the Cover. Remove burrs from the edges of the hole.
5. For a pressure pipe grommet, first install the grommet in to the cover (see step 7), then push the pipe through the grommet (previously prepared with slit segments)
6. For a power cable grommet, first clip the grommet on to the power cable so the cable passes through the hole in the grommet. Then install the grommet in to the Cover (see step 7).
7. To install a grommet in to the cover, first get the grommet started in the hole at one side then push the edges of the grommet in until properly seated all the way around.
8. If any gaps remain around the entry point of the pipe or cable, fill the gaps with small amount of outdoor silicone to fill the gap to prevent entry of mosquitoes.

PRODUCT DIMENSIONS

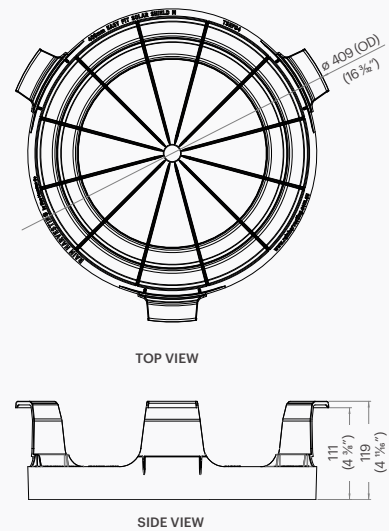
TSEF01
Easy Fit Inlet Ring (400mm / 16")



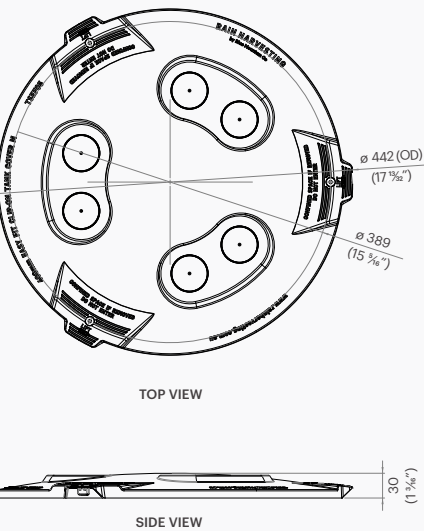
TSEF03
Easy Fit Tank Screen AL (400mm / 16")



TSEF04
Easy Fit Solar Shield (400mm / 16")



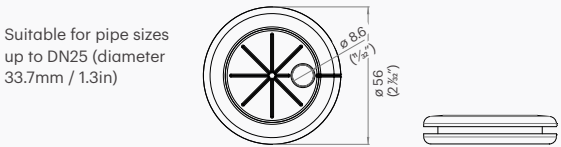
TSEF05
Easy Fit Inlet Cover (400mm / 16")



ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED.

PRODUCT DIMENSIONS

TSEF06
Easy Fit Grommet (44mm)

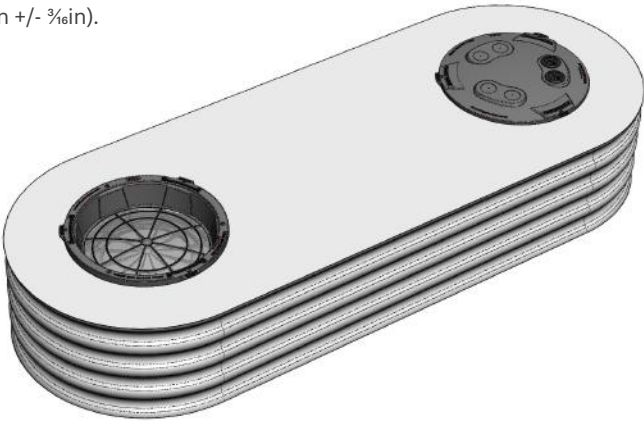


Suitable for pipe sizes
up to DN25 (diameter
33.7mm / 1.3in)

ALL DIMENSIONS IN MM UNLESS OTHERWISE STATED.

COMPATIBILITY

This system is compatible with metal rainwater tanks with a top panel thickness of 0.6mm / 1/32in, and an inlet hole diameter of 375mm +/-5mm (14 3/4in +/- 1/8in).



COMPLIANCE

- AS/NZS 4020:2005 - Testing of products for use in contact with drinking water.