

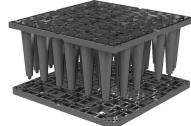
THIS DOCUMENT IS SUPPLIED IN STRICT CONFIDENCE AND MUST NOT BE LENT, REPRODUCED OR DISCLOSED TO ANY THIRD PARTY WITHOUT THE WRITTEN CONSENT OF GRAF AUSTRALIA PTY LDT

# DO NOT SCALE - IF IN DOUBT ASK

Graf Australia Pty Ltd makes no warranty or guarantee in relation to the suitability of any of the layout details shown on this drawing in relation to a particular scheme.

- All dimensions in mm, unless otherwise stated.
- All dimensions are nominal and may vary within manufacturing tolerances.
- All site temporary enabling works by others.
  Graf products to be installed in strict accordance with Graf installation instructions.
- This drawing is intended for guidance only. Confirmation of the suitability for a particular project should be sought from the consulting engineers prior to final design or commencement of any construction works.

## **ECOBLOC SMART**



0.025m3

Dimensions (mm) 800 x 800 x 330 800 x 800 x 40

Net Volume (m3) 0.202m<sup>3</sup> 0.024m<sup>3</sup>

Material Polypropylene Polypropylene

9.9kg 4.2kg

>96% depending on number of layers

Comply to load requirements of AS5100

	2	LATEST REVISION	AA	04.01.202
	1	LATEST REVISION	MV	13.09.202
	REV.	DESCRIPTION	BY	DATE



GRAF Australia Pty Ltd, 43b Sparks Road (rear building), Henderson 6166 WA T: +61 1300 131 971 F: +61 8 6499 2688

E: info@grafaustralia.com.au www.grafaustralia.com.au

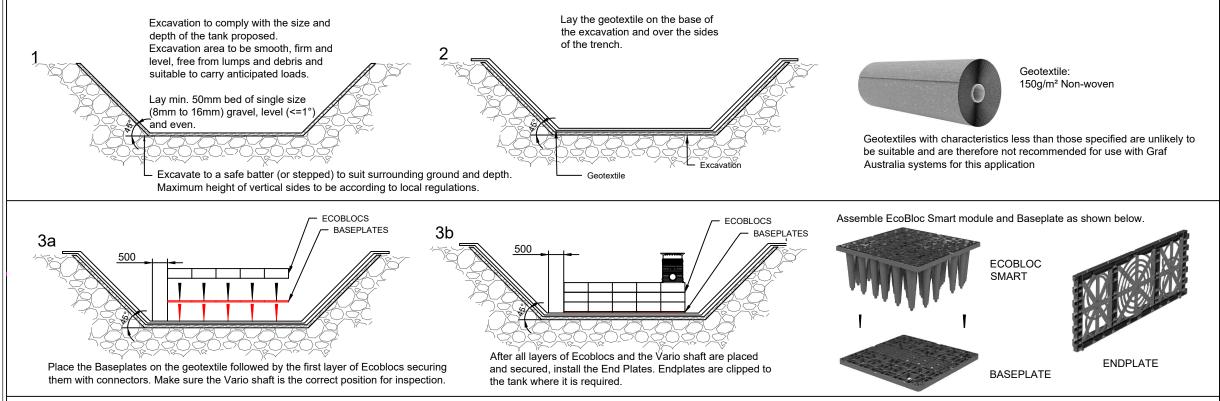
DATE: 04.01.2023 SCALE: VARIOUS@A3

**GRAF STANDARD DETAILS** 

**INFILTRATION TANK** using GRAF ECOBLOC SMART & **VARIO SHAFT** 

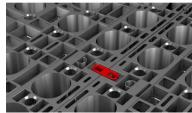
DRAWING No

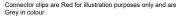
DWG-355

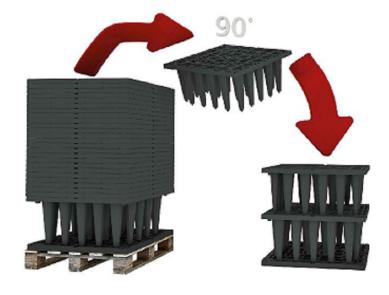


Place the one layer of Ecoblocs on top of the previously placed layer of EcoBlocs ensuring the connector clips are clipped locking the Ecoblocs together.



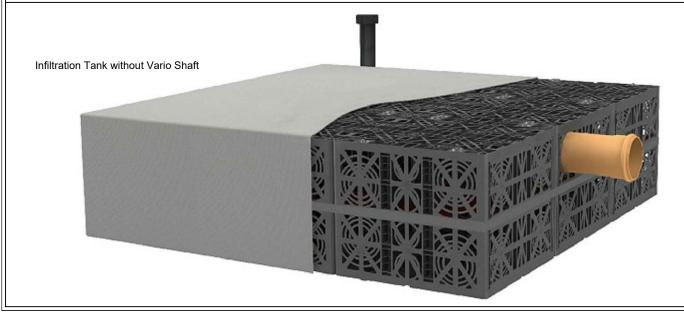


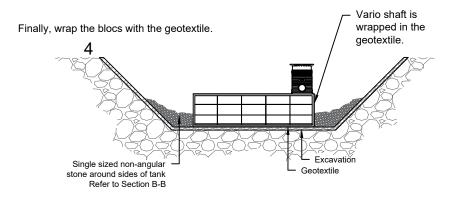












THIS DOCUMENT IS SUPPLIED IN STRICT CONFIDENCE AND MUST NOT BE LENT, REPRODUCED OR DISCLOSED TO ANY THIRD PARTY WITHOUT THE WRITTEN CONSENT OF GRAF AUSTRALIA PTY LTD.

## DO NOT SCALE - IF IN DOUBT ASK

lotice: This drawing is issued only as a guideline and is an estimate of the materials required to construct

Graf Australia Pty Ltd makes no warranty or guarantee in relation to the suitability of any of the layout details shown on this drawing in relation to a particular scheme.

#### INSTALLATION METHOD:

drawing.

- a) Excavate the trench with a safe batter (or stepped) ensuring the footprint allows for sufficient space between tank and the sides (minimum 500mm around all sides of the tank).
  - b) Mark out the position of the tank including inlets.
  - c) Lay min. 50mm of single sized non angular stone (8 to16mm) as a base for the tank. This can be laid to a maximum fall
- of 1°.
- a) Lay the geotextile over the base the excavation, overlapping any joins by a minimum of 300mm.
  b) The geotextile used must meet the specification stated on the
- a) Place EcoBlocs Smart Baseplates on top of the geotextile, according to inspection orientation. Baseplates do not require clipping. If a Vario shaft is to be included within the tank make sure the Vario Shaft base is in position located (Vario Shaft base do not not require a
- EcoBloc baseplate).
  b) Place EcoBlocs Smart on the baseplates according to inspection orientation, position leg ends into corresponding holes in the Baseplate. The bloc will only fit in the correct orientation. Push down firmly to ensure the EcoBloc is located correctly, clipping each adjacent bloc using the connectors until the first layer is completed. c) Make sure the row of EcoBlocs Smart are in the correct located
- position where inspection run is required.
  d) To install the next layer of blocs remove from the stack and turn 90° and position directly above the bloc below. Push down firmly to
- ensure the bloc is located correctly.

  e) Continue until all EcoBlocs Smart have been installed, ensuring
- clips are used to secure each bloc.

  1) Fit Endplates to the sides of each bloc by positioning the bottom
- in place then pushing firmly on the top section to locate into place.
- a) Fix adaptor plates to the sides of the blocs in the required position
- for the inlet and if required.
  b) Cut a hole in the geotextile for inlet connections.

securing the top in place.

- c) Pull geotextile up around the sides and fully wrap the blocs,
- d) Install vent pipe connection into the top of the tank at a suitable
- Beackfill around the tank in 300mm layers increments using non-cohesive, compressible loose rock (gravel, crushed rock, sand
- non-cohesive, compressible loose rock (gravel, crushed rock, sand, etc).
  f) In order to prevent silt from entering the tank it is recommended
- f) In order to prevent silt from entering the tank it is recommended that silt traps or catchpit manholes are installed upstream of any inlet. These should be regularly maintained to avoid the buildup of any silt

N.B. Installation method may vary depending on depth of the tank and is project specific. For more information or technical questions please contact our Technical Department at Graf Australia Pty Ltd.

2	LATEST REVISION	AA	04.01.2023	
1	LATEST REVISION	MV	13.09.2022	
REV.	DESCRIPTION	BY	DATE	



GRAF Australia Pty Ltd, 43b Sparks Road (rear building), Henderson 6166 WA

T: +61 1300 131 971
E: info@grafaustralia.com.au

F: +61 8 6499 2688 www.grafaustralia.com.au

DRAWN: AA DATE: 04.01.2023

CHECKED: MV SCALE: VARIOUS@A3

PROJECT

# **GRAF STANDARD DETAILS**

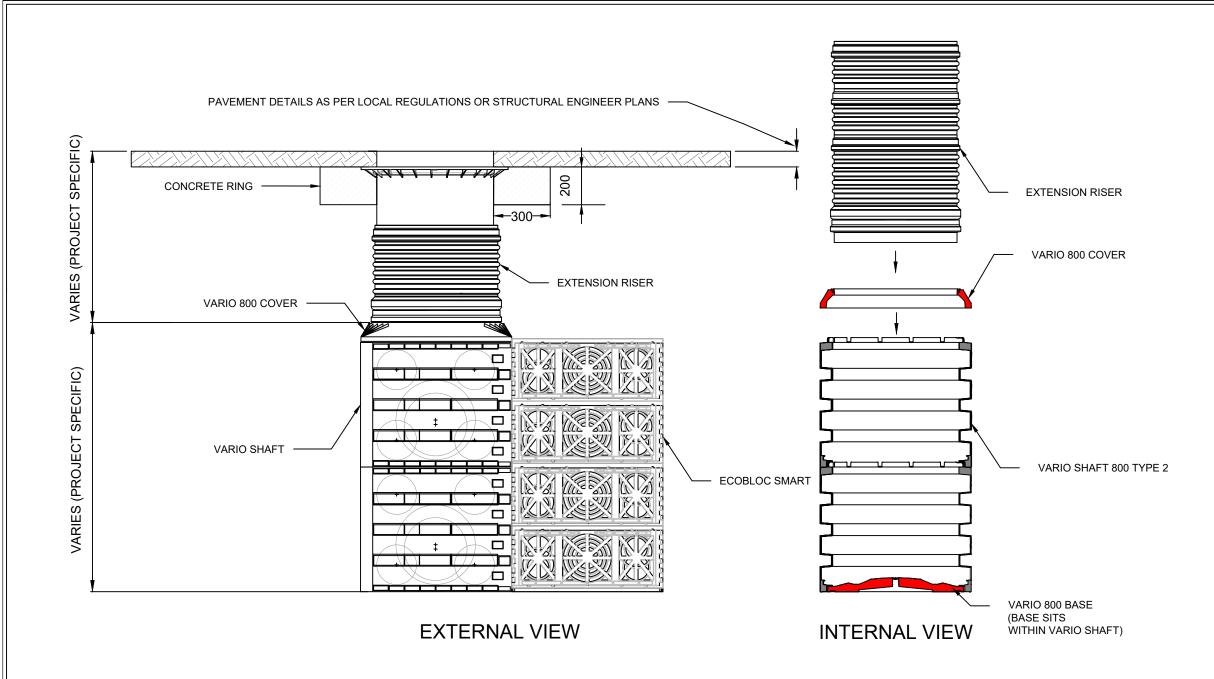
DESCRIPTION

INFILTRATION TANK using GRAF ECOBLOC SMART & VARIO SHAFT

DRAWING No.

**DWG-355** 

2 (Pg.2)



THIS DOCUMENT IS SUPPLIED IN STRICT CONFIDENCE AND MUST NOT BE LENT, REPRODUCED OR DISCLOSED TO ANY THIRD PARTY WITHOUT THE WRITTEN CONSENT OF GRAF AUTRALIA PTY LDT

# DO NOT SCALE - IF IN DOUBT ASK

Notice: This drawing is issued only as a guideline and is an estimate of the materials required to construct

Graf Australia Pty Ltd makes no warranty or guarantee in relation to the suitability of any of the layout details shown on this drawing in relation to a particular scheme.

#### NOTES:-

- 1. All dimensions in mm, unless otherwise stated.
- All dimensions are nominal and may vary within manufacturing tolerances
- 3. All site temporary enabling works by others.
- Graf products to be installed in strict accordance with Graf
- This drawing is intended for guidance only. Confirmation of the suitability for a particular project should be sought from the consulting engineers prior to final design or commencement of any construction works.

#### VARIO 800 TYPE 1

Dimensions (mm) 800 x 800 x 355

Volume 230 (litres)

7 0.0.... 200 (.... 00)

VARIO 800 TYPE 2

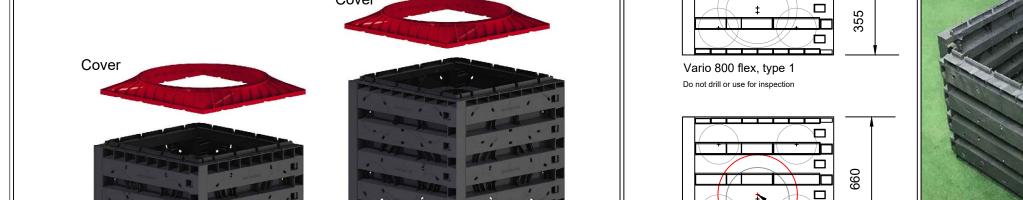
Dimensions (mm) 800 x 800 x 660

Volume 420 (litres)

VARIO 800 BASE/COVER SET

Dimensions (mm) 800 x 800 x 100

11kg



Vario 800 flex, type 2

Base

Vario 800 flex, type 1

Base



Vario 800 are modular and are easily assembled in a push fit manner.

 $\Box$ 

Vario 800 flex, type 2

Drill DN400 on the mark towards the Ecobloc

to access the tank for inspection

_			
REV.	DESCRIPTION	BY	DATE
1	LATEST REVISION	MV	13.09.202
2	LATEST REVISION	AA	04.01.202



T: +61 1300 131 971 F: +61 8 6499 2688

E: info@grafaustralia.com.au www.grafaustralia.com.au DAAWN: AA DATE: 04.

CHECKED: MV

DATE: 04.01.2023 SCALE: VARIOUS@A3

PROJECT

GRAF STANDARD DETAILS

SCRIPTION

INFILTRATION TANK using GRAF ECOBLOC SMART & VARIO SHAFT

DRAWING No.

DWG-355

REV. **2** (Pg.3)