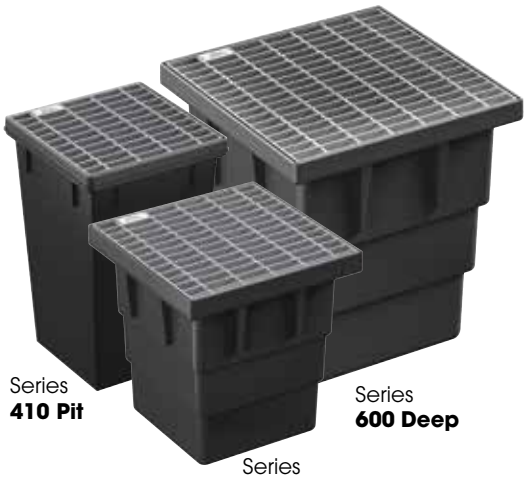
RELN

Commercial PITS

Heavy Duty Commercial Pits

- Durable made in Australia from tough & lightweight UV stabilised recycled plastic
- Lock down security grate kits are available to secure the grate in place
- Commercial surface drainage solution with a range of sizes & grate options, RELN Heavy Duty Commercial Pits are ideal for driveways, carparks & any trafficable areas.
- Grates are available in AS3996 Class A or B Load Ratings perfect for commercial applications
- Environmentally friendly made from 100% UV stabilised recycled plastic



CLASS A CLASS B

5 YEAR PIT | 1 YEAR GRATE PRODUCT WARRANTY

RECYCLED PLASTIC

AUSTRALIAN MADE & OWNED

Features

Lockdown Security

Super-strong, light-weight base

Risers available

410 Series available as RELN Nviro Pit

Anti-Slip Heel Guard available

Scan to visit the website

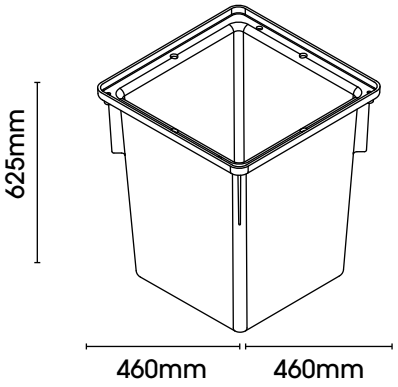
F Foundation L Landscape Y Yard

Heavy Duty Commercial Pits

RELN Heavy Duty Commercial Pits are the perfect surface water pits for commercial applications including driveways, carparks, and trafficable areas. RELN has a complete range of square and environmental pits, with conventional and security grates to suit every heavy commercial application. The range has been designed as a total solution to the environmental and safety hazards commonly associated with commercial drainage.

Specifications

Series 410 Pit
Capacity: 75L
(460 x 460 x 625mm)



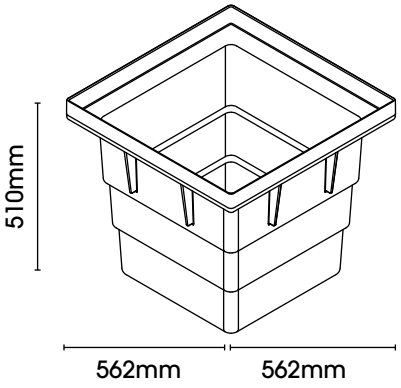
- Ideal for driveways and carparks
- Deep commercial pit
- Preferred where plenty of fall in the stormwater pipes is required

Grate Options: (435 x 435 x 45mm) Light Duty Galvanised Steel Class A, Anti-Slip Heel Guard Galvanised Steel Class A, Medium Duty Galvanised Steel Class B, Medium Duty Galvanised Steel Checker Plate Cover Class B

Risers: Height 350mm

Accessories: Galvanised Trash Screen with handle.

Series 450 Pit
Capacity: 76L
(562 x 562 x 510mm)



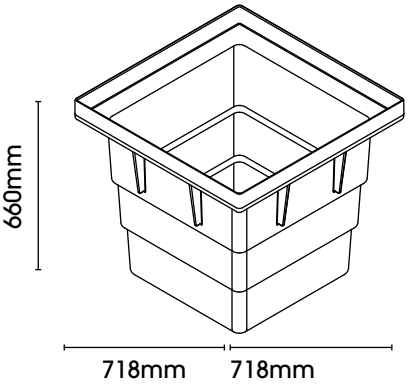
- Ideal for driveways, carparks and any trafficable areas
- Medium heavy duty commercial Pit

Grate Options: (540 x 540 x 50mm) Light Duty Galvanised Steel Class A, Light Duty Heel Guard Galvanised Steel Class A, Medium Duty Anti-Slip Galvanised Steel Class B, Medium Duty Anti-Slip Heel Guard Galvanised Steel Class B, Medium Duty Galvanised Steel Checker Plate Cover Class B

Risers: Height 300mm

Accessories: Galvanised Trash Screen with handle, Series 450/600 Pit Grate Security Kit

Series 600 Deep
Capacity: 175L
(718 x 718 x 660mm)



- Ideal for driveways, carparks and trafficable areas
- Large heavy duty commercial pit
- Ideal junction box where large bore pipe is used

Grate Options: (685 x 685 x 50mm) Light Duty Anti-Slip Galvanised Steel Class A, Light Duty Galvanised Steel Class A, Medium Duty Galvanised Steel Class B, Medium Duty Anti-Slip Heel Guard Galvanised Steel Class B, Medium Duty Galvanised Steel Checker Plate Class B

Risers: Height 300mm

Accessories: Galvanised Trash Screen with handle, Series 450/600 Pit Grate Security Kit

Grate Options - Series 410

Galvanised Steel Class A

Galvanised Steel Class B

Checker Plate Galvanised Class B

Grate Options - Series 450

Galvanised Steel Class A

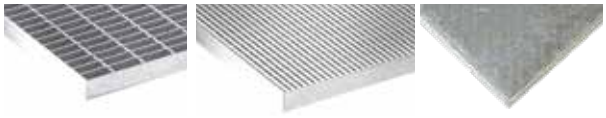
Galvanised Steel Class B

Anti-Slip Heel Guard Galvanised Steel Class A

Anti-Slip Heel Guard Galvanised Steel Class B

Checker Plate Galvanised Class B

Grate Options - Series 600



Galvanised Steel Class A

Galvanised Steel Class B

Anti-Slip Heel Guard Galvanised Steel Class A

Anti-Slip Heel Guard Galvanised Steel Class B

Checker Plate Galvanised Class A

Checker Plate Galvanised Class B

Watch the Product Review on Youtube

RELN Commercial PITS

Frequently Asked Questions

Q. What does Nviro Pit do?
A. The RELN Nviro Pit protects our storm water systems, wetlands, rivers and watercourses from pollutants, plastic bags, cigarette butts and aluminium cans entering the stream.

Q. What does the Nviro Pit come with?
A. The RELN Nviro Pit comes with pit base, inner basket and diffuser with either a Light Duty Class A Galvanised Grate or a Medium Duty Class B Galvanised Grate.

Q. What pipe sizes can connect to the pits?
A. Traditional Pits run on a horizontal pipework and can connect to 90mm and 100mm PVC pipe. Larger PVC storm water pipes can run through the pits – just cut hole to size!

Q. What Risers are available for these pits?
A. Risers are available for Series 300 (short and deep), 410, 450 and 600 Pits. Series 250 Pit uses another Series 250 Pit with bottom cut out.

Q. What is the load rating of the grates?
A. Grates comply to AS3996 Class A or B Load Ratings.

Installation Instructions - Series 410 Nviro Pit Protects our waterways

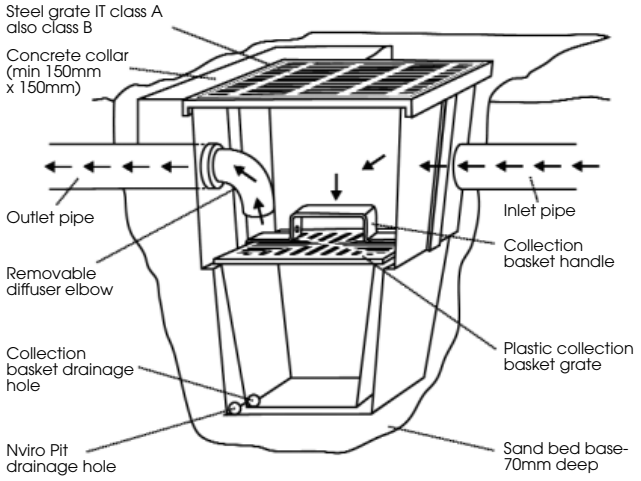


Diagram A

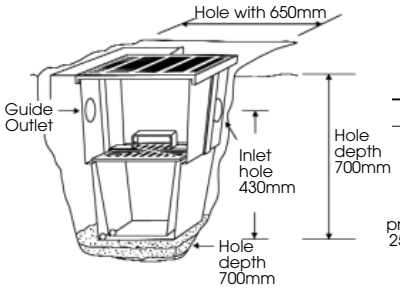


Diagram B
Preparation

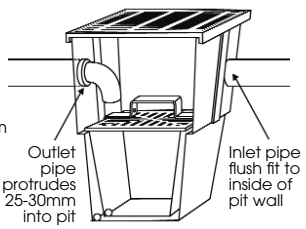


Diagram C
Installation

> Product Specifications.

- **O/A Size:** 460 x 460 x 625mm
- **Capacity:** 75 Litres
- All up weight with Class A grate 16kg
- All up weight with Class B grate 20kg
- Galvanised Steel Class A Grate (1 Ton)
- Galvanised Steel Class B Grate (8 Ton)

(All dimensions approximate)

> Preparation

1. Dig a suitable hole approx 700mm deep and 650mm square inline with stormwater pipeline **(See diagram B)**
   - For best performance the Nviro Pit inlet and outlet should be diagonally opposed to the right hand side and we recommend this for all new installations. **(See Diagram B).**
2. Cut 2 x 90mm holes (diagonally opposite)for inlet and outlet of stormwater pipe. Hole centres should be 430mm from the base.**(See Diagram B)**.
3. Bed the base of the pit approx 70mm of sand. **(See Diagram B)**.
   - Position pit into hole.

> Installation

Fit stormwater inlet pipe into pit. Seal with silicone. The inside of the inlet pipe must be flush with the wall of the pit (This allows easy Collection Basket removal). If collecting surface water from drainage channel, use an end cap and connect a stormwater pipe into the Nviro Pit.

4. Fit stormwater outlet pipe allowing a 25–30mm protrusion into pit. This allows for fitting of the Diffuser Elbow and removal of collection basket **(See Diagram C).**
5. Fit collection basket firmly and flush into the base of the pit. The Collection Basket Handle is to fit into the moulded recess.
6. Fit the Diffuser Elbow to outlet pipe inside the pit facing down –DO NOT GLUE. (The Diffuser Elbow must be removed to allow removal of Collection basket) **(See Diagram C).**
7. When the Nviro Pit is set and pipes connected, backfill the hole with sand.
8. Set a collar of concrete around top of pit, minimum of 150mm deep and 150mm wide surrounding the pit. The Nviro Pit grate is Class A and is suitable for domestic vehicular traffic.**(See Diagram A).**

Watch the Nviro Product Review on Youtube

RELN Commercial PITS

Series 410 (Base Only) / Series 410 complete with Grate / Grate Only / Series 410 Pit Accessories

Series 410 Pit complete with Galvanised Steel Class A Grate

Product Code: 001065

Weight: 11kg

Load Rating:

CLASS A

330kg Light Duty

9 319022 010654

Series 410 Pit complete with Galvanised Steel Class B Grate

Product Code: 001058

Weight: 13.5kg

Load Rating:

CLASS B

2670kg Medium Duty

9 319022 010586

Series 410 Pit Base Only

Product Code: 001072

Weight: 5.5kg

9 319022 010722

Series 410 Pit Galvanised Steel Class A Grate Only

Product Code: 001096

Weight: 5.5kg

Load Rating:

CLASS B

330kg Light Duty

Perfect for light commercial applications

9 319022 010968

Series 410 Pit Galvanised Steel Class B Grate Only

Product Code: 001089

Weight: 8kg

Load Rating:

CLASS B

2670kg Medium Duty

Perfect for commercial applications

9 319022 010890

Series 410 Pit Checker Plate Galvanised Class B Cover Only

Product Code: 001090

Weight: 10.73kg

Load Rating:

CLASS B

2670kg Medium Duty

Perfect for commercial applications

9 319022 010906

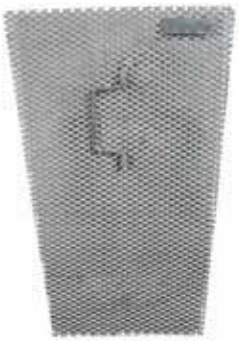
Series 410 Riser - 350mm

Product Code: 001006

Weight: 2kg

9 319022 010067

Series 410 Pit Galvanised Steel Trash Screen



Product Code: 001097

Weight: 2.87kg

9 319022 010975

RELN Commercial PITS

Nviro Pit complete with Grate/ Series 450 Pit / Base Only / Series 450 Grate Only

RELN Nviro Pit complete with Galvanised Steel Class A Grate

Product Code: 001000

Weight: 16.71kg

Load Rating:
CLASS A
330kg Light Duty

9 319022 010005

RELN Nviro Pit complete with Galvanised Steel Class B Grate

Product Code: 001017

Weight: 18.76kg

Load Rating:
CLASS B
2670kg Medium Duty

9 319022 010173

Series 450 Pit complete with Galvanised Steel Class A Grate

Product Code: 001110

Weight: 16.65kg

Load Rating:
CLASS A
330kg Light Duty

9 319022 011101

Series 450 Pit complete with Galvanised Steel Class B Grate

Product Code: 001111

Weight: 20.2kg

Load Rating:
CLASS B
2670kg Medium Duty

9 319022 011118

Series 450 Pit Base Only

Product Code: 001109

Weight: 6.5kg

Load Rating:
Residential
Light Duty

9 319022 011095

Series 450 Pit Galvanised Steel Class A Grate Only

Perfect for light commercial applications and areas with vehicle traffic

Product Code: 001112

Weight: 10.2kg

Load Rating:
CLASS A
330kg Light Duty

9 319022 011125

Series 450 Pit Galvanised Steel Class B Grate Only

Perfect for light commercial applications and areas with light vehicle traffic

Product Code: 001113

Weight: 13kg

Load Rating:
CLASS B
2670kg Medium Duty

9 319022 011132

Series 450 Pit Anti-Slip Heel Guard Galvanised Steel Class A Grate Only

Perfect for light commercial and areas with pedestrian traffic

Product Code: 001144

Weight: 13kg

Load Rating:
CLASS A
330kg Light Duty

9 319022 011446

RELN Commercial PITS

Series 450 Pit Grate Only / Series 450 Pit Accessories/ Series 600 Pit

Series 450 Pit Anti-Slip Heel Guard Galvanised Steel Class B Grate Only

Perfect for light commercial and areas with pedestrian traffic

Product Code: 001145

Weight: 15kg

Load Rating:

CLASS B

2670kg Medium Duty

9 319022 011453

Series 450 Pit Checker Plate Galvanised Class B Cover Only

Perfect for commercial applications

Product Code: 001091

Weight: 16kg

Load Rating:

CLASS B

2670kg Medium Duty

9 319022 010913

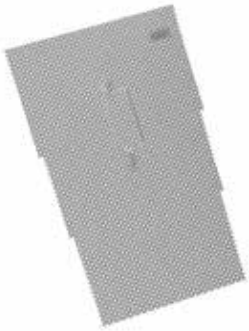
Series 450 Riser - 300mm

Product Code: 001093

Weight: 5kg

9 319022 010937

Series 450 Pit Galvanised Steel Trash Screen



Perfect for commercial applications

Product Code: 001098

Weight: 2.8kg

9 319022 010982

Series 450/Series 600 Pit Grate Security Kit

Product Code: 002270

Weight: 0.12kg

9 319022 022701

Series 600 Pit complete with Galvanised Steel Class A Grate

Product Code: 001115

Weight: 30.4kg

Load Rating:

CLASS A

330kg Light Duty

9 319022 011156

Series 600 Pit complete with Galvanised Steel Class B Grate

Product Code: 001116

Weight: 41kg

Load Rating:

CLASS B

2670kg Medium Duty

9 319022 011163

Series 600 Pit Base Only

Product Code: 001117

Weight: 13.2kg

9 319022 011170

RELN Commercial PITS

Series 600 Pit Grate Only / Series 600 Pit Accessories

Series 600 Pit Galvanised Steel Class A Grate Only

Product Code: 001120

Weight: 17.2kg

Load Rating:

CLASS A

330kg Light Duty

Perfect for light commercial applications and areas with light vehicle traffic

9 319022 011200

Series 600 Pit Galvanised Steel Class B Grate Only

Product Code: 001118

Weight: 27.8kg

Load Rating:

CLASS B

2670kg Medium Duty

Perfect for commercial applications and areas with vehicle traffic

9 319022 011187

Series 600 Pit Anti-Slip Heel Guard Galvanised Steel Class A Grate Only

Product Code: 001146

Weight: 18.48kg

Load Rating:

CLASS A

330kg Light Duty

Perfect for light commercial and pedestrian applications

9 319022 011460

Series 600 Pit Anti-Slip Heel Guard Galvanised Class B Grate Only

Product Code: 001147

Weight: 24kg

Load Rating:

CLASS B

2670kg Medium Duty

Perfect for commercial and pedestrian applications

9 319022 011477

Series 600 Pit Checker Plate Galvanised Class A Cover Only

Product Code: 001092

Weight: 24.78kg

Load Rating:

CLASS A

330kg Light Duty

Perfect for light commercial applications and areas with light vehicle traffic

9 319022 010920

Series 600 Pit Checker Plate Galvanised Class B Cover Only

Product Code: 001142

Weight: 24.78kg

Load Rating:

CLASS B

330kg Light Duty

Perfect for light commercial applications and areas with light vehicle traffic

9 319022 255260

Series 600 Riser - 300mm

Product Code: 001122

Weight: 8kg

9 319022 011224

Series 600 Pit Galvanised Steel Trash Screen

Product Code: 001099

Weight: 4.29kg

Perfect for commercial applications

9 319022 010999

Class Loading Table

Class Loading	Typical Use	Nominal Wheel Loading kg	Serviceability Design Load kN	Ultimate Limit State Design Load kN
CLASS A	Areas (including paths) accessible only to pedestrians and pedal cyclists and closed to other traffic.	330	6.7	10
CLASS B	Areas (including paths and light tractor paths) accessible to vehicles (excl. commercial vehicles) or livestock.	2670	53	80
CLASS C	Malls and areas open to slow moving commercial vehicles.	5000	100	150
CLASS D	Carriageways of roads and areas open to commercial vehicles.	8000	160	240