

Drainage Catch Pit – FLEXI Pit



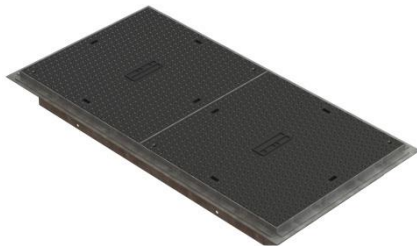
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What is the current situation?

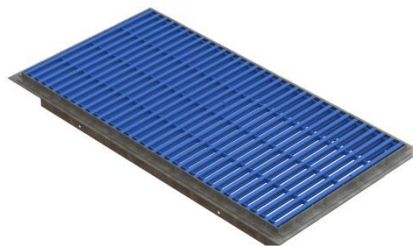
CUBIS has been supplying a modern alternative to concrete for track side drainage in the form of the STAKKAbOX™ Ultima drainage catch pit to the rail industry. The current chamber has an un-adjustable fixed plate duct entry with options of Smooth Wall or Twin Wall pipe and three different cover options:-



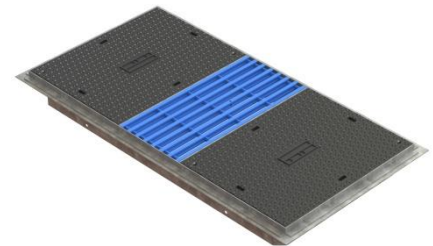
The old drainage catch pit system has a fixed plate that cannot be adjusted on site



Full composite covers



Full Isophthalic / Phenolic grates



Part grate part covers

The drainage catch pit is essentially an empty chamber with an inlet pipe and an outlet pipe set at a level above the floor of the pit. Any sediment carried by the system settles out whilst in the catch pit, from where it can be periodically pumped out or removed.

The need for adjustable ducting positions on the chamber was highlighted due to varying in ducting levels on site. This issue was resulting in the need for individual technical drawings for each chamber adding time to ordering and assembly.

If Ducting is at different levels resulting in the chamber spigots not being able to connect to existing ducting



Old drainage catch pit

Ducting is at different levels and can be reached by the new adjustable back fill board



New 'FLEXI Pit'

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What is the change?

The development of the new innovative adjustable back fill board allows for up to 150mm vertical height alteration on the backfill barrier frame allowing full customisability on site to ducting levels. The back fill boards offer reduced lead times due to stock components readily available for production. The new Boards come in two sizes with ability to hold different pipe sizes 150mm, 225mm 300mm and 375mm Twin Wall and 225mm Smooth Wall.

What needs to be put on an order:



Orders should consist of the following

The FLEXI Pit can be ordered in modular components or as a fully assembled chamber, for a fully assemble chamber please speak to one of our team.

All the components are held in stock, so bespoke chambers using the components will only require assembling once BOM the is completed.

1. Type of FLEXI Pit
2. Backfill Barriers. The Flexi Pit takes 1, 2 or 3 Backfill Barriers depending on variety, these need ordered separately. The backfill barrier for pipes 150mm – 225mm go on the small backfill frames and the 300 – 375mm go on the large backfill frames. Twin Wall Backfill Barriers come complete with a 300mm length of Twin Wall Pipe
3. Frame and Cover.

Optional

4. Are additional risers required, the FLEXI Pit is supplied as 900mm deep, if additional depth is required extra riser sections are required, each riser is 150mm deep.

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What is the CUBIS product?

CUBIS’ new drainage catch pit shall be known as the ‘FLEXI Pit’, which is defined by its flexibility on site for customer. **(PATENT PENDING)** Below are the options for the chambers, backfill boards and cover options.

Chambers:



Straight Through	
Large	SYULBF-12000600-A106000C
Small	SYULBF-12000600-A206000C
Combination Large & Small	SYULBF-12000600-A306000C



T Junction	
Large	SYULBF-12000600-A406000C
Small	SYULBF-12000600-A506000C



Right Hand Turn	
Large	SYULBF-12000600-A706000C
Small	SYULBF-12000600-A906000C



Left Hand Turn	
Large	SYULBF-12000600-A606000C
Small	SYULBF-12000600-A806000C

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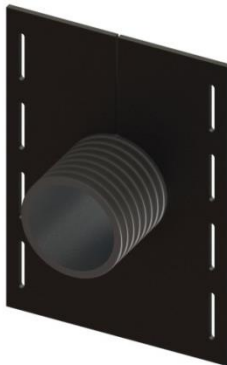
End Chambers	
Large	SYULBF-12000600-A116000C
Small	SYULBF-12000600-A126000C



Additional Riser Sections	
	CPULRS-12000600

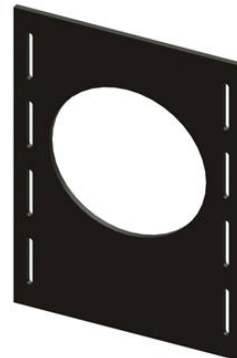
Back Barriers:

Small Backfill Barrier



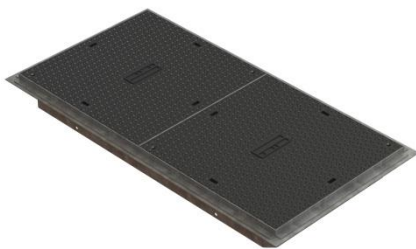
Twin Wall Backfill Barrier (Small)	
150mm	SYPEBF-05400386-150-TW
225mm	SYPEBF-05400386-225-TW
Smooth Wall Backfill Barrier	
225mm	CPPEBF-05400386-225-SW

Large Backfill Barrier



Twin Wall Backfill Barrier (Large)	
300mm	SYPEBF-07400555-300-TW
375mm	SYPEBF-07400555-375-TW

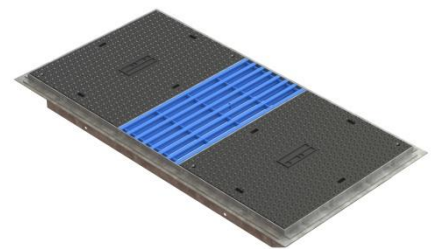
Covers:



Full composite covers
 FCCOCP-12000600-CP00LAE82
 (A15) FCCOMP-12000600-
 CR00LBE82 (B125)



Full Blue grates
 FCIGCP-12000600-ICBALAE83



Part grate part covers
 FCICCP-12000600-ICBALAE83

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What Backfill Barriers Fit FLEXI Pit Types

Flexi Pit	Backfill Frame Size	Qty of Backfill Frame	Suitable Backfill Barriers
SYULBF-12000600-A106000C	Large	2	SYPEBF-07400555-300-TW or SYPEBF-07400555-375-TW
	Small	N/A	
SYULBF-12000600-A206000C	Large	N/A	
	Small	2	CPPEBF-05400386-225-SW, SYPEBF-05400386-150-TW or SYPEBF-05400386-225-TW
SYULBF-12000600-A306000C	Large	1	SYPEBF-07400555-300-TW or SYPEBF-07400555-375-TW
	Small	1	CPPEBF-05400386-225-SW, SYPEBF-05400386-150-TW or SYPEBF-05400386-225-TW
SYULBF-12000600-A406000C	Large	3	SYPEBF-07400555-300-TW or SYPEBF-07400555-375-TW
	Small	N/A	
SYULBF-12000600-A506000C	Large	N/A	
	Small	3	CPPEBF-05400386-225-SW, SYPEBF-05400386-150-TW or SYPEBF-05400386-225-TW
SYULBF-12000600-A606000C	Large	2	SYPEBF-07400555-300-TW or SYPEBF-07400555-375-TW
	Small	N/A	
SYULBF-12000600-A706000C	Large	2	SYPEBF-07400555-300-TW or SYPEBF-07400555-375-TW
	Small	N/A	
SYULBF-12000600-A806000C	Large	N/A	
	Small	2	CPPEBF-05400386-225-SW, SYPEBF-05400386-150-TW or SYPEBF-05400386-225-TW
SYULBF-12000600-A906000C	Large	N/A	
	Small	2	CPPEBF-05400386-225-SW, SYPEBF-05400386-150-TW or SYPEBF-05400386-225-TW
SYULBF-12000600-A116000C	Large	1	SYPEBF-07400555-300-TW or SYPEBF-07400555-375-TW
	Small	N/A	
SYULBF-12000600-A126000C	Large	N/A	
	Small	1	CPPEBF-05400386-225-SW, SYPEBF-05400386-150-TW or SYPEBF-05400386-225-TW