

DLT Demountable Litter Trap™



An installed DLT 400 GPT and DLT 400 diffuser



An installed DLT 400 system intentionally not maintained (100% filled with gross pollutants) demonstrating both retention of gross pollutants and SW flow and aeration during a 1 in 5 year event.

A cost effective, robust and easily maintained gross pollutant trap

An effective stormwater litter solution

The DLT series is a range of small to medium sized gross pollutant traps that assist in the effective capture and removal of litter and other debris from piped stormwater systems. The units are designed to treat stormwater runoff generated by rain events through to regular, concentrated and extreme events.

Applicable to a wide range of piped stormwater systems

The DLT is applicable to a wide variety of piped stormwater systems throughout Australasia. The units are versatile and can be positioned in single, dual, dual-with-diffuser and multiple configurations depending on inlet or outlet requirements (refer to configuration examples overleaf).

Able to withstand stormwater runoff

The capture and retention of targeted debris generally occurs during the initial stages of rainfall events as runoff flushes out the majority of debris that has recently settled within the system. The DLT units are designed to withstand stormwater runoff allowing for overflowing of stormwater (even when totally charged with debris) in a controlled manner offering diffusion or concentration of flow depending on the design requirements. Correct installation of DLT units can therefore mitigate upstream and downstream damage.

Effective in tidal, wave and flood conditions

The DLT Coastal & Estuarine (C&E) series is designed to retain captured gross pollutants during tidal, wave and flood conditions. It is engineered and built to withstand these forces of nature.

AS 4100 Certified

The units are engineered, constructed and certified to AS 4100 (Steel Structures). They are robustly manufactured in Marine grade stainless steel.

Easy to handle and maintain

Each unit has a solid geometric form which facilitates ease in handling and maintenance. The units are fitted with all-terrain wheels designed for short distance transport by maintenance staff to be mechanically discharged into standard municipal or privately operated vehicles. The costs associated with specialised lifting equipment (e.g. crane hire) are therefore minimised.

An innovative Australian product

Designed in Australia and manufactured in Tasmania, the DLT is the result of a collaboration between Syrinx Environmental and AusTas.

DLT SPECIFICATIONS

Engineered to AS-4100, 14 KN lateral force, designed with minimum 120kg force rated to all engineered elements

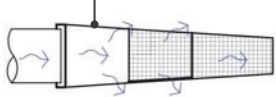
MODELS AVAILABLE

DLT C&E, DLT 225, DLT 250, DLT 400, DLT 450, DLT 500 (Model number denotes litres of debris captured)
Large capacity mechanical lifted (crane) units and site-specific engineered multi-unit formats also available

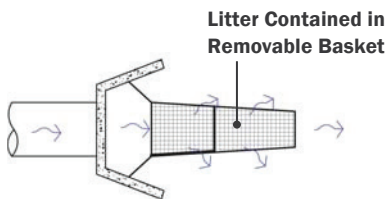
DLT Demountable Litter Trap™

Configuration examples

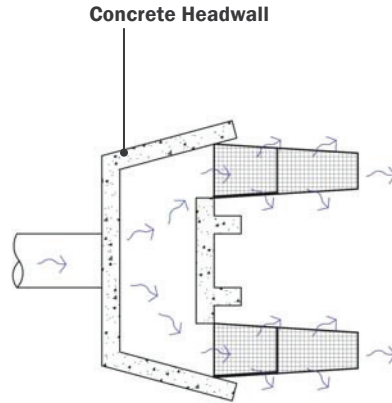
Pipe Connection Adaptor with Built-in Pressure Relief Capability for Extreme Events or Blockages



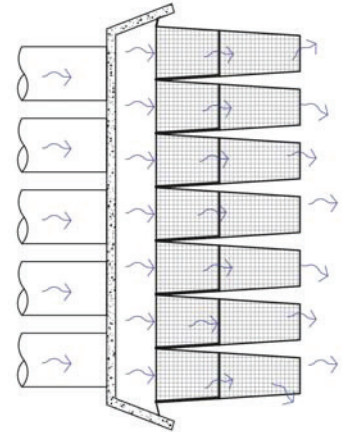
DIRECT CONNECTION TO PIPE



FIXED TO CONCRETE HEADWALL - SINGLE UNIT



FIXED TO CONCRETE HEADWALL - DUAL UNIT



FIXED TO CONCRETE HEADWALL - MULTIPLE UNIT

Secure and vandal-resistant

The DLT series excels in terms of its security, as the demountable units are secured by an easy-to-use but vandal-resistant robust lockable staple (lock not included). The stainless steel that makes up the DLT units is not easily cut, torn or stolen due to the inherent nature of the material.

The units are designed to be rigidly fixed to surrounding engineered structures thereby limiting the risk of units being mobilised during extreme events. The addition of DLT flow control devices (attached to the fixed section) are applicable in situations where regular extreme events occur. These control devices are tuneable and can

either concentrate or diffuse overtopping flows so as to mitigate and control downstream erosion damage.

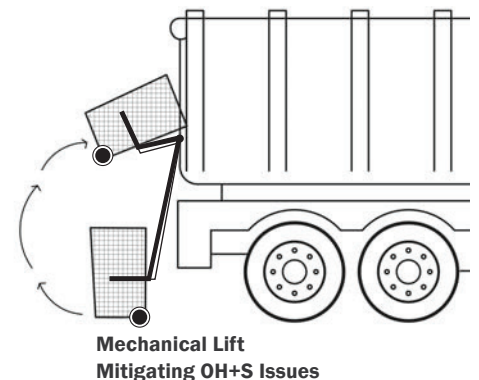
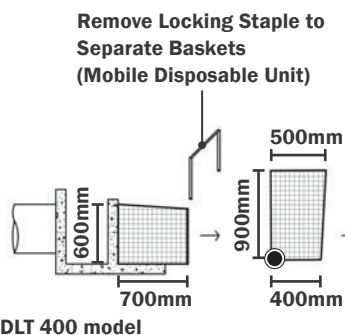
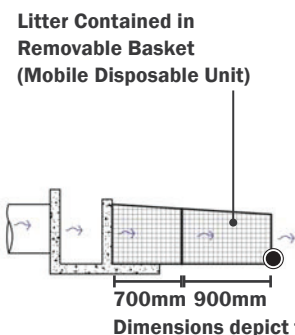
Essential additional analysis

Hydraulic analysis of the stormwater system should be undertaken prior to manufacture of the DLT unit as the unit will provide expected headloss in line with similar structures.

Further information

Further information, technical specifications and an Operating Manual can be obtained by contacting AusTas Innovation.

Typical process to empty the DLT



CONTACT

AUSTAS Innovation

+61 (0)3 9486 2333
+61 (0) 429 169 428
info@austas.com.au

76 York St
Launceston 7250
Tasmania



The DLT Demountable Litter Trap™ is a collaboration between Syrinx Environmental and AUSTAS Innovation