GHD/Auckland Transport Tetra Trap Fact Sheet

Asset Name:

Tetra Trap. Version 1,2,3,4,5, 6 &

Tetra Trap with Phifertex Polyester vinyl coat fabric for sediment erosion

Asset Type:

Filter Screen/Pollutant Trap.

Construction:

316 Stainless Steel,

Electro polished and Snap Fasteners (filter bag).

Asset life:

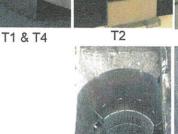
30 Years

Dimensions:

T1/T2 units: 350 mm x 800 mm

T3: 350 mm x 650 mm T4: 350 mm x 1050 mm T5: 350 mm x 450 mm

T6: 350 mm x 800 mm curved





T3 & T5

Installation:

Installed in catchpits over the outlet pipe secured by a plate (welded to the

frame) on either side of the unit, mounted on two bars installed in the catchpit

wall

Design Criteria:

Catchpit type and attributes, spacing and sump depth, inlet/outlet control, catchment characteristics, leafy streets, flood protection level of service, rainfall patterns, catchpit cleaning regime, high litter/sediment deposition zones, sensitive receiving environments, roads with greater than 20,000 vehicles per day, stormwater systems linked to combined sewer overflows.

Use:

All Standard 660 x 460 mm catchpits and 800 x 500 mm Street Catchpits with minimum wall width of 450 mm. Specific designs required to retrofit in existing catchpits with angled outlet pipe configurations and capture pits with non-standard dimensions. Option to install filter bag over the front face for sediment and erosion control.

Maintenance:

Routine catchpit cleaning cycle (vacuum loading), no specialist equipment required. Cleaning time may increase by 2-3 minutes per catchpit with Tetra *Trap* installed. Removal of sediment/litter from overflow weir hoops and face of screen by suction and waterjet if required.

Performance:

Flows in excess of 50 litres per second in 800×500 mm Street Catchpits with 225 mm outlets. Sediment capture increased 75-175% over a four month loading cycle. Improved performance in 800×500 mm Street Catchpits.

Approved by:

Auckland Transport.

Developed & Designed

GHD Ltd for Auckland Transport

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