

GHD/Auckland Transport TetraTrap Fact Sheet

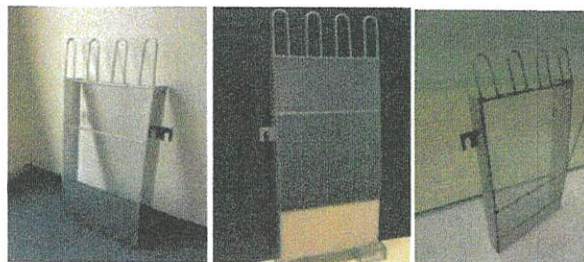
Asset Name: TetraTrap. Version 1,2,3,4,5, 6 & TetraTrap with Phifertex Polyester vinyl coat fabric for sediment erosion

Asset Type: Filter Screen/Pollutant Trap.

Construction: 316 Stainless Steel, Electro polished and Snap Fasteners (filter bag).

Asset life: 30 Years

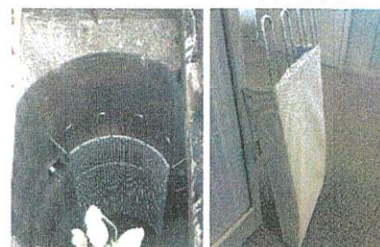
Dimensions: T1/T2 units: 350 mm x 800 mm
T3: 350 mm x 650 mm
T4: 350 mm x 1050 mm
T5: 350 mm x 450 mm
T6: 350 mm x 800 mm curved



T1 & T4

T2

T3 & T5



T6 Curved

Filter Bag

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 TetraTrap 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 x 500 mm Street Catchpits with 225 mm outlets. Sediment capture increased 75-175% over a four month loading cycle. Improved performance in 800 x 500 mm Street Catchpits.

Approved by: Auckland Transport.

Developed & Designed: GHD Ltd for Auckland Transport

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