OPERATORS MANUAL

SET-4.2 Silt Tank

The GO Industrial SET-4.2 Silt Tank is a high-capacity, container-optimised filtration unit designed for heavy-duty dewatering and sediment control on Australian construction, mining, and infrastructure sites.

It is specifically engineered to assist contractors in complying with local Environmental Protection Authority (EPA) regulations and site-specific Construction Environmental Management Plans (CEMP) by effectively separating suspended solids prior to discharge.



A: Unit 2 11 to 15 Baylink Avenue,
Deception Bay, QLD, 4508
P: 07 3204 2240
E: sales@goind.com.au
W: www.goind.com.au

1. Technical Specifications

Model	SET-4.2
Gross Capacity (to rim)	4,288 Litres
Working Volume (to outlet invert)	3,212 Litres (measured at 923 mm)
Overall Height	1,270 mm (Optimised for shipping container transport)
Base Dimensions	2,496 mm (L) × 2,296 mm (W)
Filtration Performance	Settles particles down to approx. 35 microns (at 5 L/s flow rate)
Settling Cage Material	1.2 mm 304 Stainless Steel (16 inclined plates at 60°)

2. Workplace Health & Safety (WHS)

WARNING: Heavy Equipment & Suspended Loads

Lifting operations must comply with AS 4991. Ensure cranes and shackles are certified for the fully loaded weight (including wet sediment). Never stand under a suspended load.

Safe Work Method Statement (SWMS): A site-specific SWMS must

A: Unit 2 11 to 15 Baylink Avenue,
Deception Bay, QLD, 4508
P: 07 3204 2240
E: sales@goind.com.au
W: www.goind.com.au

be reviewed by all personnel prior to operating the silt tank.

PPE: Operators must wear AS/NZS compliant PPE: steel-capped boots, high-visibility clothing, gloves, and safety glasses.

Lifting & Siting: Lift via the 4× galvanised top corner lugs or forklift pockets. Site on compacted, level ground capable of supporting at least 5 tonnes to prevent subsidence.

Pinch Points: Exercise caution when operating the inset galvanised sliding roof and lower manway. Keep hands clear of tracks and hinges.

Confined Space: Do not enter the tank. All maintenance is designed to be performed externally.

3. Environmental Compliance

Discharge Standards: Ensure discharge water quality meets local state/territory EPA guidelines (e.g., TSS limits, NTU) before releasing into stormwater.

Spill Containment: Have spill kits and booms available during cleanout in case of accidental sediment release.

4. Setup and Installation

Positioning: Place the tank on firm, level ground. Ensure at least 1.5m clearance around the lower galvanised manway hatch for cleanout operations (e.g., vacuum trucks).

Connections: Connect the incoming dirty water hose to the flanged "LIQUID IN" port. Connect the discharge hose to the flanged "FLUID OUT" port. Ensure all Camlock or Bauer fittings are safety-pinned.

Pre-Operation Check: Ensure the lower galvanised manway hatch is tightly secured with all bolts tensioned evenly. Verify that the sliding roof access is closed and locked.

Flow Rate Calibration: Calibrate the dewatering pump to deliver approx. 5 Litres per second. Higher rates reduce settling efficiency and may lead to non-compliant discharge.

5. Maintenance, Cleaning & Disposal

Draining: Stop the pump. Allow residual solids to settle. Drain excess clean water before opening the cleanout hatch.

Sediment Removal: Open the galvanised round end manway hatch. Use

a shovel or hydro excavation truck to remove heavy sediment.

Note: Dispose of silt per local council/EPA waste tracking regulations. Do not wash sediment into stormwater drains.

Upflow Settling Cage:

- Slide open the inset galvanised roof.
- Attach certified lifting chains to the four lugs on the stainless steel cage.
- Lift the 800×580×290 mm cage out vertically.
- Wash down the 60° inclined plates with a high-pressure hose.
- Direct wash-down water back into an approved capture area.

Reassembly: Lower the clean cage into its slots. Secure the lower manway hatch firmly before resuming pumping.

A: Unit 2 11 to 15 Baylink Avenue,
Deception Bay, QLD, 4508
P: 07 3204 2240
E: sales@goind.com.au
W: www.goind.com.au