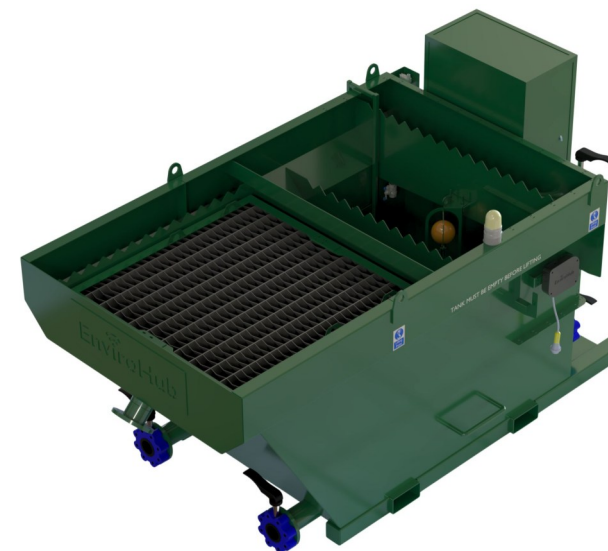


EnviroHub Hydrodem HD01

pH correction and solids settlement for low-flow, high pH applications

The EnviroHub Hydrodem HD01 provides automated pH correction and solids settlement for wastewater generated by hydrodemolition, concrete cutting and similar high pH, low-flow applications. Designed for continuous operation with minimal operator involvement, the Hydrodem automatically doses CO₂ to bring pH within consent limits before discharging to sewer or a recycled water tank.



What it does

- Automated CO₂ dosing to correct high pH wastewater
- Tube-settler solids settlement to reduce suspended solids
- Real-time pH monitoring with tricolour Beacon status indicator
- Automatic start/stop — no operator input during normal operation
- Float switch for empty tank detection

Key Design Features

- Separate pH correction and settlement regions
- Settlement tube block in lift-out frame — easy installation & maintenance
- Float switch for empty tank detection
- Fork pockets and lift points for safe handling
- Lockable gas cage for 2× CO₂ bottles (standard design)
- Status indicated via tricolour Beacon

Application

Typical applications include:

- Hydrodemolition / concrete cutting wastewater
- Wedge pit dewatering
- Low-flow, high pH discharge to sewer
- Discharge to recycled water tank
- Lime-based pH wastewater
- Where water clarity is not critical

Specification

Description	Value
Flow Rate (standard)	0.25 – 5.0 m ³ /hr (CO ₂ dosing)
pH Correction Method	Automated CO ₂ / Citric acid dosing
Solids Removal	Inclined tube settlers
Power Supply	110 V
Feed Pump	Not included (customer supply)
Status Indication	Tricolour Beacon

Dimensions

Dimension	Value
Length	3.0 m
Width	1.6 m
Height (excl. gas cage)	1.5 m
Settlement Area	14 m ²

Layout Drawing

