

EnviroHub Monitoring Units

Site discharge monitoring for environmental compliance

EnviroHub Monitoring Units (MU) provide robust, inline water-quality monitoring for environmental compliance and site discharge management. Designed for continuous operation, MU systems deliver real-time data, automated alerts and optional control actions to reduce compliance risk and operational burden, across a variety of parameters.

What can be monitored

MU systems measure the following key parameters commonly required for discharge consent compliance and early detection of water quality issues:

- Flow Rate / Total Flow
- pH
- Temperature
- Turbidity / Estimated TSS
- Electrical Conductivity (used to detect a variety of pollutants)

Configuration: Monitoring Units can be configured with any single parameter or any combination of the above parameters. Unused sensor positions are blanked off.

Application

Typical applications include:

- Quarry dewatering
- Lagoon discharge
- Water table replenishment activities



Specification

Model	MU02	MU04	MU06	MU08	MU10	MU12
Pipe Size	2"	4"	6"	8"	10"	12"
Pressure Rating	PN10	PN10	PN10	PN10	PN10	PN10
Flange Connections	DN50	DN100	DN150	DN200	DN250	DN300

Dimensions	Unit	MU02	MU04	MU06	MU08	MU10	MU12
MU Length*	m	2.73	2.74	3.08	3.84	4.43	5.04
MU Length**	m	3.16	3.16	3.68	4.63	5.33	6.14
MU Width	m	0.60	0.60	0.60	0.60	0.60	0.70
MU Height	m	0.95	0.95	0.95	0.95	1.04	1.12
Min. Slab Size *	m	3 x 1	3 x 1	3 x 1	4 x 1	5 x 1	5 x 1
Min. Slab Size **	m	4 x 1	4 x 1	4 x 1	5 x 1	6 x 1	6 x 1

* Excluding Electrical Conductivity (EC) spool; including flow meter ** Including Electrical Conductivity (EC) spool and flow meter

Installation

- Location: Monitoring Unit must be installed above the maximum expected water level
- Recommended Installation Method: Bolted down to a concrete slab
- Alternative Installation Method: Anchored to a compacted stone base (e.g. Type 1 MOT)
- Power Supply: 24V Power needed within 10m
- Flow Direction: Use the built-in flow direction arrow

How it works

Inline probes and sensors measure water quality and report data to Senteos, the EnviroHub monitoring portal. Senteos presents live and historic data using clear graphical trends and Red / Amber / Green status indicators to highlight compliance at a glance.

When monitored parameters exceed soft or hard limits, Senteos can:

- Trigger alerts (SMS, email)
- Display an on-screen beacon (a colour-changing lamp icon displayed within the Senteos portal to indicate discharge or valve status)
- Automatically start / stop discharge pumps or actuate valves (optional)
- Trigger a physical (equipment-mounted) Beacon for visual alert (optional)

