

WQM-CL



The WQM-CL is designed to clean a wide range of probes manufactured by MD Instruments Ltd.

The WQM-CL unit makes use of a powerful air compressor capable of delivering a high flowrate air jet onto the faces of the sensors (e.g. the optical windows).

Applications

The WQM-CL is mainly used with probes manufactured by MD Instruments Ltd, such as the SH2 probe used in mixed liquor activated sludge plants, and the SH1e probe for FE suspended solids measurement.

Measurement Principle

The air jet, generated by the compressor, is mixed with the liquid (e.g. activated sludge) to remove the fouling build-up on the faces optical windows or sensors (e.g. DO cell). The air to the compressor inlet is filtered to avoid the blockage of the air discharge passage due to the flying particles present in the air.

Specifications

Parameter

Air Flowrate	35 l/min (at ambient pressure) *
Power	110/240AC 50/60Hz
Control Signal Voltage	+12Vdc
Power Consumption	< 25VA (intermittent operation)
Housing	Enamel Steel, IP66
Size	(Instrument Case) 280 x 180 x 130 mm
Weight	(Instrument Case) 5.0Kg

* Higher Flowrate can be supplied depending on application.

Features

- * Auto-Cleaning cycle is controlled by the WQM-series products
- * Operational compatibility with MD-products
- * High Repeatability and Reliability
- * NO LUBRICATION REQUIRED
- * Simple to use and install
- * Easy to operate and service
- * Air filter supplied
- * Cleaning interval is programmed by the WQM-series
- * Higher Air flowrate can be supplied depending on application
- * Robust housing with IP66 rating
- * Low power consumption due to intermittent use
- * Can be installed at any time
- * Cleans up to two SH2 sensor heads

In the interests of improving and updating its equipment, MD Instruments Ltd reserves the right to alter the specifications to equipment at any time.

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