



Immersion filtration system UF TEC

UF TEC is a filtration system which allows sample feeding of COLORTEC or similar analyzers.

It consists of a control panel and an immersion filtering element that can be installed in any section of a water treatment plant because its operation is independent of the sample condition: biological sludge, presence of foams, algae, bloated or floating sludge. Suction of the sample occurs using the peristaltic pump located inside the control panel, which is also used to push the filtered liquid to the analyzer.

Start of the peristaltic pump and duration of suction is controlled by the COLORTEC analyzer in relation to the predetermined frequency of analysis and the distance between analyzer and the sampling point. A cleaning system is provided, controlled by the analyzer or through a timer (optional), which by means of a compressor and a 3-way valve directs, on the same sampling tube, pressurized air which allows to purge both the line and the pipes of the filtering element.

Technical specifications UF TEC

Components	Wall mounting control panel; Immersion filter candle; suction / delivery tube 10m
Filtration	Porosity 0.02 μm with candel / 0.1 μm with hollow fiber
	Capacity 1l/h with a 3m head between control panel and candle filter
Temperature	Sample 4...40 °C; Ambient 4...45 °C, max humidity 95% non-condensing
Installation conditions	<ul style="list-style-type: none"> ■ Maximum mounting depth of the immersed filter: 2m ■ Maximum distance Control panel - Immersed filter: 10m ■ Maximum distance Analyzer - Control panel: 5m ■ Maximum head Control panel - Immersed filter: 5m ■ Maximum head Analyzer - Control panel: 5m
Cleaning system	Integrated with compressed air at 4 bar. Automatic control from COLOR TEC analyzer or timer (opt.)
Materials	Control panel made of ABS
Candle filter	Body housing of white PVC-U ; Covers made of Noryl GTX Filtering material PESM
Suction tube	PE
Power supply	220 Vac – Power consumption 50 VA
Dimensions	Control panel (lxhxp) 900 x 600 x 300 mm – Weight 10 kg Candle filter (lxØ) 425 x 95 mm – Weight 4 kg

Controllers

Sensors

Analysers

Samplers

Flow

Level

Pressure

Web remote control

Data logging

Accessories