

## HEWiPRO Weighting Inspection Column



The typical biofilm thickness on HEWiFILL media in trickling filters is in a range of 1–2mm, but this can vary depending on the specific load scenario of the Filter.

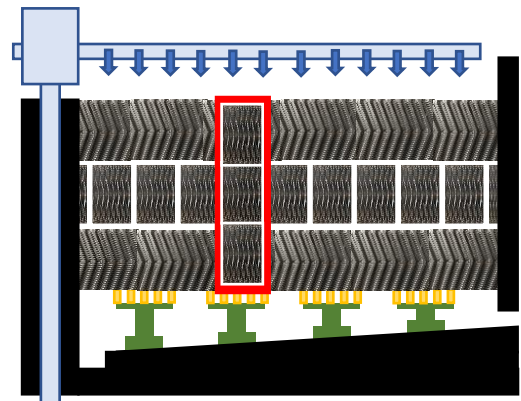
Trickling filter performance can go down in case of biomass losses. On the other hand, if too much biomass accumulates in the filter, clogging can occur with a subsequent deterioration of the treatment result.

In addition to a visual inspection of the top layer media a HEWiPRO weighting tower allows the operator a better understanding of the biomass growth.

The HEWiPRO weighting tower is designed to monitor the average operational weight and the biofilm thickness. The operator can then respond to changing biofilm conditions by adjusting the flushing force with the rotary distributor.

The HEWiPRO weighting tower is installed within the trickling filter media and allows the operator to take representative media samples throughout the filter depth for further assessment and weight monitoring.

With the option of adding a load cell for continuous monitoring, this technology allows for a permanent reading of the weight without taking the media samples out.



The tower consists of a rigid guide-frame made of stainless steel with ~ 40cm x 40cm base area extending throughout the entire packing height.

The frame is filled with media samples of the same type as used for the filter itself.

The media samples frame can be easily pulled out by stainless ropes for inspection.

### Learn more

to learn more about how the Hewitech can help you with your Water/Wastewater Projects; visit [www.hewitech.co.uk](http://www.hewitech.co.uk)