



Technical Bulletin No 3

HYCOVER Static Distribution Systems



The effective application of effluent over the available surface of installed media is an essential requirement for optimum performance of all plastic media biofilters. Efficient flushing must be achieved to control build-up of biomass which, if unchecked will lead to media blockage resulting in under performance of installed plant. The Sewaco HYCOVER Static Distributor is a free standing self supporting system suitable for installation in all types and sizes of modular plastic media biofilter. The system comprises open mesh media level walkways with integral pipe support brackets. These brackets ensure correct location of our special splashplates in relation to media surface. No supporting steelwork is required as walkways are placed directly onto the media surface thus providing an easily accessed system for routine maintenance.

Static HYCOVER distributors have no moving parts, providing a low maintenance trouble free system. HYCOVER distribution systems are normally designed to receive a pumped feed, although systems for gravity feed with an integral dosing syphon are also offered. Wetting rates from 1.5 to 13.0 m³/m²/hr are supplied to meet a wide range of applications catering for normal and storm flow conditions. This can be achieved by using single, dual and triple systems. Our AUTOCLEANSE automatic nozzle cleansing device, improves overall efficiency of the installed distribution system by preventing build-up of biomass within nozzles and assisting in dislodging of non-organic solids, thereby maximising the use of installed media at all times. AUTOCLEANSE is essential for use in 'confined space' installations, where access is restricted or site maintenance is limited.

