



Technical Bulletin No 12

HYCOVER Self Dosing Rotary Distributors



26.0 mt dia HYCOVER Rotary Distributors installed in refurbished secondary treatment biofilters. Existing stone media having been replaced with modular plastic media. Each distributor incorporates an integral dosing syphon thus ensuring effective wetting of the media surface irrespective of varying inflow rates. The centrally mounted electric drive unit is provided with variable speed control to achieve the required Sk Value and a programmable timer enables periodic speed reduction to allow for increase in flushing intensity.

HYCOVER rotary distributors are individually manufactured to meet each specific application. Our unique design obviates the need for an integral seal and ensures easy servicing and replacement of all parts without specialist equipment. Machines are manufactured from standard components including a galvanised steel central support column fitted with top mounted heavy duty bearing assembly and autogreaser. The selected number of 2, 4, 6 or 8 distributor arms are connected to the large capacity bowl which can contain the integral dosing syphon or cascade weirs as required. Stainless steel distributor arms are equipped with plastic nozzle assemblies incorporating back entry nozzle rodding caps and stainless steel spreader plates. Stainless strainer wires are fitted with rigging screws to allow easy adjustment. Machines can also be manufactured in all stainless materials to meet more arduous applications.

HYCOVER static distribution systems are available for all sizes of plastic media biofilters. These systems can be fitted with AUTOCLEANSE automatic nozzle cleansing where access is restricted or maintenance costs are to be kept to a minimum. More details available on request on these and our HYRATE Biofilters and Polytower shells..