



Technical Bulletin No 2

HYCOVER Rotary Distributors For Plastic Media Biofilters



The HYCOVER Rotary Distributor has been designed to meet the requirements of plastic modular media. Machines incorporate many unique features to ease routine maintenance and field servicing. Built from standard materials including galvanised steel bowl and central support column, with heavy duty upper bearings fitted with slow release greaser cartridge. Low level stabilisers are located beneath the bowl. Stainless steel distributor arms are supported on stainless strainer wires. HYCOVER nozzle assemblies incorporate back entry 'quickstrip' nozzle rodding caps and plastic nozzles, with stainless spreader plates, arranged to ensure even application of liquor across the media plan. Replacement nozzles from 12 - 50 mm are available to meet all application rates.

HYCOVER machines are individually designed to meet the irrigation requirements of modern plastic media biofilters where adequate flushing rates are essential to optimise biofilter performance. Wetting rates range from 0.5 m³/m²/hr to 13.0 m³/m²/hr depending upon type of media and filter design. Machines are suitable for gravity or pumped feed. Where applicable an automatic dosing syphon is incorporated in the central bowl to ensure effective flushing irrespective of incoming flow rate. Reaction and belt type electric drive versions are offered with panel mounted variable speed control. In the event of power failure the electric drive will automatically disengage reverting to reaction drive. A free standing steel distributor support column is also available which improves ventilation and accomodates riser pipework.

