



## Technical Bulletin No 5

# HYCOVER Syphon Rotary Distributors With Self Dosing Syphon

HYCOVER Rotary distributors are designed to meet a wide range of specific individual applications and for easy installation on site. Wetting rates are selected to meet media type.

Distributors are available in various configurations, under and over fed; pedestal or drum base support bearing; with or without dosing syphon and either pump or gravity feed, depending on application.

Models shown here *'Top Right'* is a 9.2mØ self dosing machine on plastic modular media with gravity flow rate of 56m<sup>3</sup>/hr, under fed. *'Below'* shows a 4.7mØ unit with self dosing syphon on stone media with overfeed flow rate of 7m<sup>3</sup>/hr. Both models have support columns, from filter base.



HYCOVER distributors are manufactured from a range of standard components including galvanized steel central support column with top mounted heavy duty bearing located in the main crosshead. Lubrication is provided via a replacable slow release greaser cartridge. A large capacity galvanised steel bowl is suspended from the crosshead by adjustable support rods. Anti sway stabilisers are fitted beneath the bowl. Lateral arms are formed from stainless steel with stainless strainer wires connected to the crosshead. Application nozzles are positioned along each arm to ensure even distribution of liquor across the media surface. Nozzles are screwed into each saddle position which also incorporates a back entry 'Quickstrip' nozzle rodding cap and stainless steel spreader plate. Nozzle sizes are easily changed to meet specific flow rates. Washout end caps are provided at the outer end of each arm.

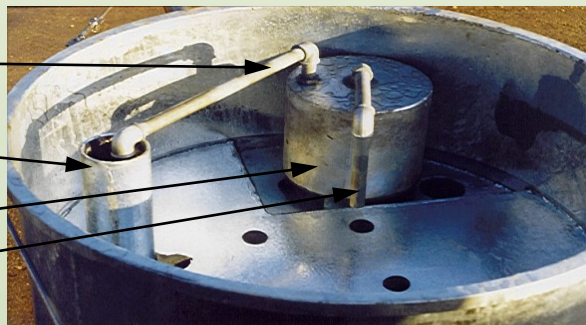


Syphon start tube.

Emergency overflow outlet.

Syphon bell fabricated from G M S to reduce weight and cost of construction.

Syphon breaker / vent pipe.



Quickstrip back entry nozzle rodding caps are fitted to allow easy removal of trash and cleansing of nozzle using standard HYCOVER rodding brush.

Discharge nozzles are screwed into each saddle assembly, allowing easy change to accommodate different wetting rates. Stainless spreader plates ensure even application across width of filter.

