



## Technical Bulletin No 4

### HYCOVER Rotary Distributors

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, with or without dosing syphon and arranged for either pumped or gravity feed.

**Top** is a 4.7mØ self dosing machine with self dosing syphon on stone media with overfeed flow rate of up to 0.8 m3/hr

**Middle** is a 14.0 mt Ø gravity fed HYCOVER 'Lo-Flo' machine on stone media applying up to 5 m3/hr.

**Below** is a 9.7 mØ twin arm under fed machine on plastic modular media with gravity feed of 56m3/hr.

HYCOVER distributors are manufactured from a range of standard components including stainless or galvanized steel bowl and central support column with top mounted twin race heavy duty bearing. Lubrication is via a slow release cartridge. Lateral arms are formed from stainless steel with stainless strainer wires connected to the crosshead. Nozzles are positioned along each arm and apply effluent onto stainless spreader plates that ensure even distribution across the media surface. Nozzle sizes are easily changed to meet specific flow rates. Washout end caps are provided at the outer end of each arm.

HYCOVER Rotary Distributors can be fitted with variable speed electric/pneumatic drive, with control.

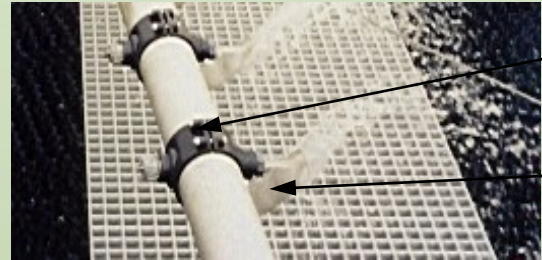
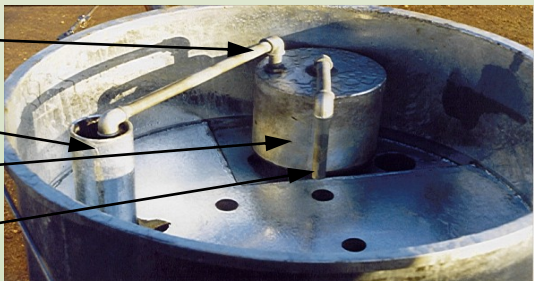


Syphon start tube.

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 can be 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 the filter plan.