



New Advanced Super Separator

NC Slurry Separators have been around for many years, separating all kinds of slurries and liquid wastes: working in factories, farms and industrial plants, in numerous countries around the world.

From a 50,000 hog unit in Arizona to a 8000 dairy cow unit in Minnesota.

They are now recognised as one of the most efficient and cost effective Separators in operation today.

The NC system is both simple and efficient, producing valuable fibre for composting and nutrient rich fibre free liquid ready for application onto land.



The NC Separator uses a unique roller and brush system to produce several valuable end products.

The liquid slurry is pumped to the Separator weir box, then it flows onto the first perforated screen where the separating process begins.

The liquid slurry is slowly brushed the full length of the screen to remove most of the liquid before entering the second chamber where remaining fibre is pressed and brushed the full length of the screen again to ensure the maximum amount of liquid is removed.

There are huge environmental benefits with separation:

- The nutrient rich liquid can be applied directly to root system, assisting immediate plant uptake
- Reduces risk of run off
- No fibre to lodge on plant foliage where ammonia and nitrogen are easily released into the atmosphere
- Separating manure allows producers to effectively control nutrients in both solids and liquids
- All foreign objects are removed from slurry or liquid waste before it is applied to land
- Less volume of liquid to handle
- Separated fibre can be composted and sold to garden suppliers etc or spread onto the land as an organic fertilizer - this enhances the soil structure and encourages an increase in the worm population



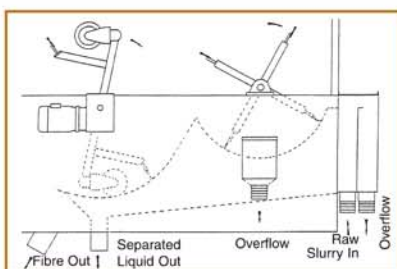
The fibre slides down a stainless steel chute ready to stack for composting



The separated liquid flows to a separate storage tank or with an NC fully automatic system pumps direct to an NC Pulse-Jet for super low rate application onto the land.



- Automatic or manual operation packages
- Trailer mount or stationary models
- Flexible installation options
- Use with either scraped, flushed manure or slatted tanks
- Few moving parts
- Low maintenance costs
- Easily adjustable flow rates
- Operates on only 0.75Kw/1HP motor which saves on energy costs
- Compact size allows for easy enclosure in cold climates



Where Quality Comes First!



Leading the World in Ultra Low Rate Slurry Application or Dirty Water Disposal

Low Rate 'Son of a Gun' Pulse-Jet

In the last decade NC have been at the forefront in the battle against environmental pollution, with their commitment to developing labour saving machines, such as the new super pulse-jet, which has revolutionised liquid slurry or dirty water disposal from farms, factories and processing plants.



JUST PARK IT AND SWITCH IT ON - WHAT COULD BE SIMPLER?



The NC Pumping Unit is fitted with a fail-safe system - if a pipe becomes disconnected the Pulse-Jet will automatically shut down.



It is much better to apply 14m³ over 1 hectare in 10 hours than 14m³ in 30 minutes or less over 1 hectare.

NC's New Super Pulse-Jet has many advantages:

- Greatly limits manpower and heavy equipment needs. You can apply waste water/slurry while you do more important things.
- The Pulse-Jet Irrigation System is designed for hands-free use.
- Conventional manure handling is expensive and often requires two tractors with large quantities of fuel being used, along with endless man hours.
- Field compaction is eliminated. Low compaction means healthier soil and improved crop growth.
- Total nutrient management can significantly reduce commercial fertiliser requirement on specific crops.
- Waste water/slurry is applied at ultra low rates over longer periods, this greatly reduces worm kill and run off.
- Low rate application allows continued nutrient use on a growing crop. If a crop is using nutrients during application, there is less chance of contaminating the surrounding ground water.
- Reduces the need for large HP engines or electric motors - only requires 3kw to 5.5kw motors depending on size of pump chosen. This will greatly reduce the energy cost required to spread waste water/slurry.
- Owing to lower volumes being pumped over a longer period the cost of pipework is greatly reduced.
- Odour reduction is accomplished when solids are digested in liquid form or separated for composting, leaving only waste water to be applied. By applying at low rates we enhance rapid microbiological breakdown in the soil; faster microbiological breakdown will help reduce lingering odour problems.



REMEMBER THE PULSE-JET CAN COVER THE SAME AREA OF AT LEAST 10 SMALL SPRINKLER TYPE MACHINES



The low-rate Son of a Gun can apply liquid to cover 1.2 hectares from one spot, or mobile machine can cover 4.7 hectares in one run.



AVAILABLE IN TRAVELLING AND STATIC MODELS