



FILTRAMAT™

An economic solution for partial treatment of liquid pig manure adapted to the conditions of each farm

FILTRAMAT™ advantages

- Low operating costs
- Automated and reliable system
- Flow rate capacity up to 21,000 USG per day
- More than 100 units now operating throughout the world
- A modular system that can be upgraded up to a complete treatment BIOFERTILE™ F or C
- Solids containing more than 30 % in dry matter allowing composting on site

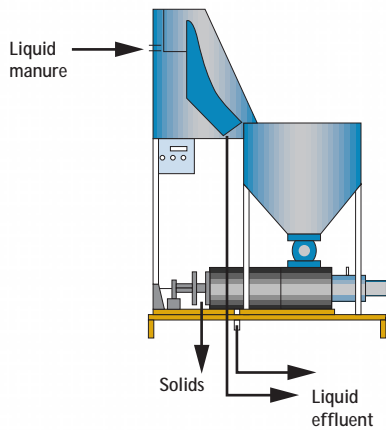


ENVIROGAIN'S strengths

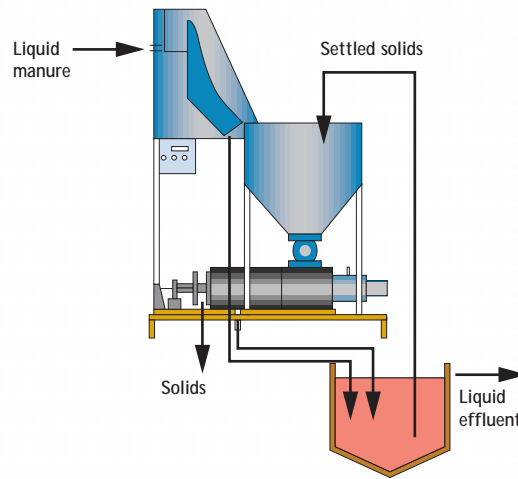
- Multidisciplinary team having several years of experience in this field
- Service adapted to your needs

FILTRAMAT™ is a screw-press separator for liquid pig manure equipped with a feeding tank and a PLC (Programmable Logic Control).

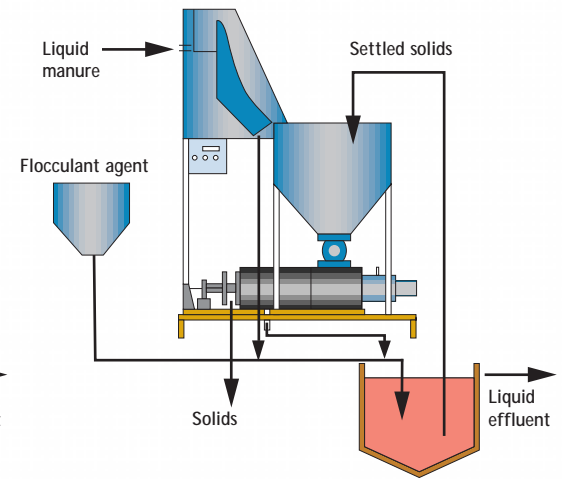
MODULAR: The FILTRAMAT™ separator is available in three versions, depending on the required level of performance



Version A



Version B



Version C

Technical characteristics

Power	3kW (4 HP)
Screen size	500 µm
Flow	2 to 8 m ³ /h (9 to 35 usgpm)
Compressed air	7 bars (100 PSI)
Pipe fitting	2 to 3 inches
Size	2m x 1m x 3.5m-h (6'6" x 3'3" x 11'6"-h)
Capacity	until 80 m ³ /day (21,100 usgal/day)

Performance

An efficient separation is not measured in GPM, but in the separation rate, in the dry matter content of the residue and the flow of solid matter. The efficiency of the FILTRAMAT™ separator varies with the properties of the pig manure feed and the unit version installed.

	Version A	Version B	Version C
Phosphorus removal	15-20 %	20-30 %	> 30 %
Solids removal	25-30 %	50-60 %	> 60 %

Automatic

No springs or counterbalance ; but a system of finely guided pneumatic cylinders that allow the unit to automatically adapt itself to the pig manure characteristic changes and to produce a constant product. The FILTRAMAT™ separator is entirely automated by PLC. It functions without any direct supervision. The PLC also manages the feed pump, allowing the whole unit to be operated in a coherent and homogeneous manner.

Robust

The construction of the FILTRAMAT™ separator brings reliability and robustness.

- 100 % stainless steel.
- Screw and screen specially designed.
- Safety on the PLC.

For more information, please contact us
 1112, boulevard de la Rive-Sud, bureau 220, Saint-Romuald (Québec) G6W 5M6
 Telephone: 418 834.2640 • Fax: 418 839.1419 • www.envirogain.com