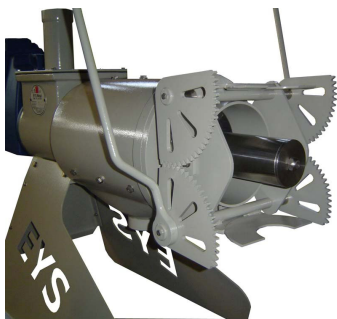


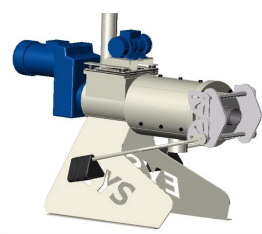
EYS Screw Press Separator is designed to mechanically separate solid and liquid fractions of fiber-rich materials such as animal manure. In fact, manure separation is the most common application for EYS Separators today. Hundreds of units installed worldwide have been delivering outstanding results for years even under the toughest conditions. Our robust design handles all types of livestock manure with ease, yielding a high output rate of very dry solids and a liquid fraction containing only minimal amounts of suspended solids.

Why should you separate your manure? Raw manure is a difficult to handle material. It is messy to transport, costly to store and an environmental hazard if not separated and stored properly. It causes odor and harbors disease carrying insects. By separating the manure you not only minimize these inherent disadvantages, but also turn this otherwise problematic waste material into a useful by-product. Some of these additional benefits of manure separation are:



- Separated solids can either be used or sold as fertilizer following a brief period of composting (composting time is reduced drastically)
- Separated solids can be used as bedding material
- Separated liquid can be irrigated on farm land or used to feed your flushing system
- Overall slurry storage costs decrease due to reduced volume
- Odor and health risks decrease, your farm environment improves

Why separate with EYS Separator? There are various types of manure separation equipment available today, and the most efficient ones among them are screw press separators. Static screens can only remove a marginal portion of the liquid from the manure due to lack of squeezing action. Drum separators can not yield dry enough solids, and are typically costly to both operate and to maintain. EYS Screw Press Separator on the other hand produces remarkably dry solids at high output rates and at an affordable cost. It does not require attendance of an operator, nor does it need frequent and costly maintenance service. It is fairly easy to operate and consumes insignificant amount of electricity.





- Non blinding wedge-wire screen
- 0.1mm to 1.0mm screen openings
- Hard coated, heat treated screw
- Electrostatic powder coating
- Powerful 5.5kW motor
- Gearbox ring for spill-protection
- Optional vibrator
- Easy serviceability
- Laser cut precision parts
- All SS models available
- Extended screen life
- ISO9001-2000 certified

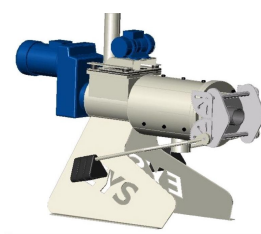
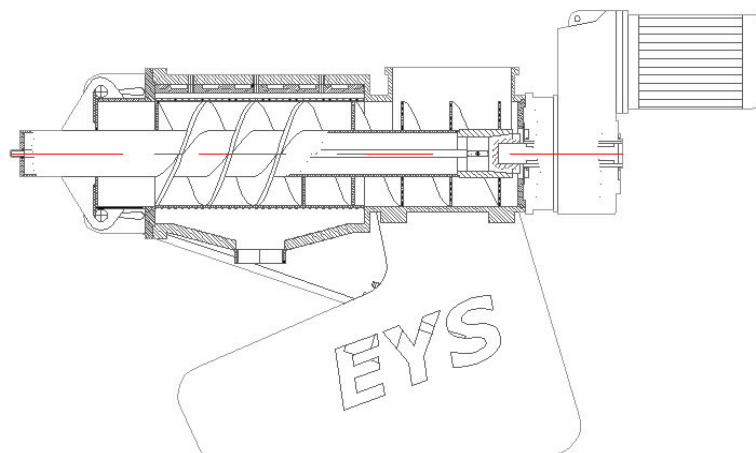


How does EYS Separator work? EYS Separator features a helical conveyor (screw) that transports the manure along within a cylindrical wedge-wire screen. The mouth mechanism at the outlet of the machine creates an adjustable level of pressure by means of counterweights placed on each arm. With this pressure, the liquid fraction of the manure is squeezed out through the cylindrical screen as the manure is continually being pushed forward by the screw. By the time the solids reach the outlet they are dewatered to a remarkably dry level. Separated liquid fraction is discharged from the bottom of the cast iron body.

The manure is fed into the separator via a slurry pump. Any excess material inflow is bypassed back to the slurry pit. Separated liquid is collected in a separate lagoon or tank.

A vibrator is also available as an option on EYS Separators, should your particular application necessitate the use of vibration to ensure uninterrupted material inflow to the separator.

Wedge-wire screens used in EYS Separators are designed and constructed with very tight tolerances for maximum dewatering efficiency. These screens do not experience “blinding” (clogging of the screen with solid particles) thanks to their special design. Various slot width selections are available on our screens, varying from 0.1mm to 1.0mm.

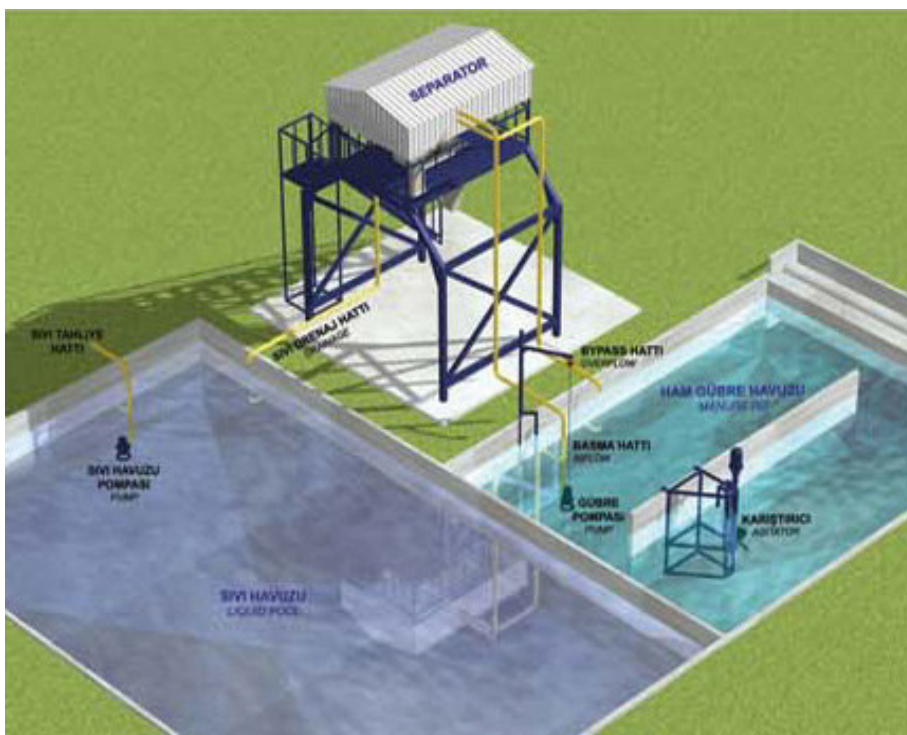


Technical Specifications of EYS Separator (Model 02G)

Dimensions (mm)	L: 1896 W: 898 H: 1212
Weight	650 kg
Power	5.5 kW
Screw	Stainless Steel AISI 304; Tungsten Carbide coated
Body	Cast Iron
Max. Throughput Capacity	~ 65 m ³ /h *

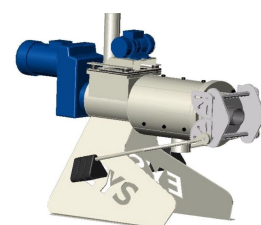
* depends on various factors such as: consistency of the incoming slurry, chosen screen slot-width, desired dryness of separated solids, chosen pump capacity, etc.

What are the components of an EYS Separation System? A typical EYS manure separation system is illustrated in the schematic drawing below. The collection pit on the right shows an agitator installed on one side, mixing the contents of the pool in order to bring the collected slurry to a homogenous consistency. Otherwise the majority of the solid fraction tends to float and the pump will have nothing but very thin slurry (low solid content) to pump into the machine, thereby reducing the efficiency and the output of the separator. The agitator needs to be started several minutes before the separator and the pump are turned on. The second pit on the left is where the separated liquid is collected.



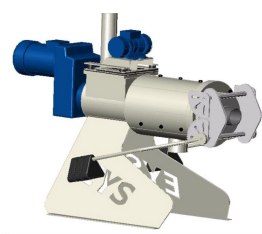
At the heart of the system is the EYS Separator. The incoming material is fed into the separator from the collection pit typically by means of a submersible slurry pump. Any excess manure is bypassed back to the collection pit.

A second optional pump is shown on this drawing, which can be used to transport the discharged liquid to another location or a tanker truck. Stationary tanks are also commonly used for storage of discharged liquid instead of a pit. A collection pit is shown here for the sake of easier demonstration.





Sample Installations





EYS Separator - Reliable Choice in Manure Management

EYS Separator offers a practical and efficient solution to any manure management application. Either for scraping or flushing based systems; dairy, hog or chicken farms, EYS is committed to delivering results that continually surpass the expectations of its customers. For more specific information and technical assistance regarding your application, please contact us at:

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