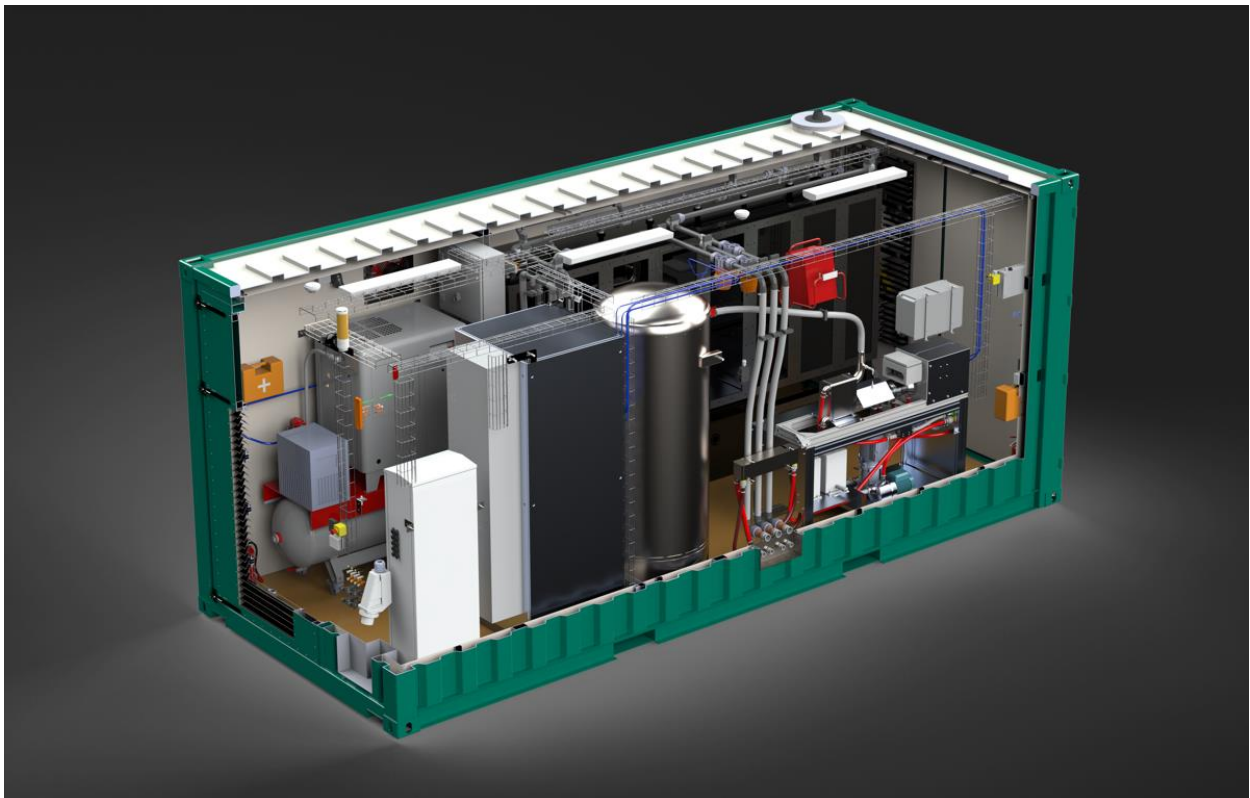


PRODUCT DATASHEET

GEA ProManure E2950 Manure Enricher



Global Esco Hellas PC
+30 69 7045 2717 - +30 69 8090 4949
askontas@globalesco.com
George.sanidas@globalesco.com
www.globalesco.com
www.sustainable-agriculture.gr

This document contains GEA proprietary and confidential information. It is intended only for the person or entity to which it is addressed, and any unauthorized use is strictly prohibited.
It is provided for limited purposes and shall not be copied, forwarded, transferred to other documents, disseminated or disclosed to any third parties without the prior written consent of GEA Farm Technologies GmbH.

System Description

The E2950 Unit is a full-scale system for local treatment of liquid organic manure at farms. The output material is used as fertilizer with increased Nitrogen content.

The E2950 manure enricher consists of the following components:

- Plasma Unit
- Absorption system
- Power Supply
- Air supply system
- External dry cooler

Technical Specifications

Description	Value	Comment
Normal Power Consumption Plasma system	52kW	35-40KW Plasma power
Max power consumption Plasma system	69kW	Included Air supply, Cooling systems and Absorption system
Supply voltage	400V 3phase 50Hz	
Plasma Efficiency	55 - 65 kWh/kgN	
System Efficiency	70 - 83 kWh/kgN	
Operating Temperature	-15 to 30 deg C	5 to 30 deg C Inside container
Storage/transport temperature	-15 to 55 deg C	Draining and preservation needed
Feedstock Data	Maximum particle size: 3mm Maximum dry matter content: 6% pH range: 6-9	
Estimated prod. rate	0.125 – 0.5 m3/hour	Pending feedstock composition
Design Standards	2014/35/EU, 2006/42/EC, EN60204-1, IEC60519-6	
Plasma cooling System	Included external heat recovery	Estimated capacity 20-35kW Water temperature 50-60 degC

External Interface Data

Interface	Value	Comment
Power Supply	3x400 TN (3P+PE) VAC 50Hz, 100A pre fuse	125A 400V IEC plug on the container
Filtered slurry supply	Camlock Male, 1-1/2in	
Re-processing slurry supply	Camlock Male, 1-1/2in	
Treated slurry connection	Camlock Male, 1-1/2in	
Exhaust connection	63mm OD pipe	Humid air with some residual gas content
External heat consumer	2 off Camlock male 1in	Connection to secondary side of a liquid-liquid heat exchanger.
Ethernet connection	M12 connector	Data connection with minimum capacity of 10 Mbps

Item	Dry Weight [kg]	Dimensions LxWxH [mm]	Lifting/handling/fastening
Complete E2950	6000 kg	6060 x 2440 x 2600	20ft Container Handling

Container Interface Layout

GEA Farm Technologies GmbH
Siemensstraße 25-27
59199 Bönen, Germany

