

RenuRe-actor

The Farmcubes RenuRe-actor enables the conversion of the liquid fraction into RenuRe fertilisers. The fully automated system ensures efficient operation of the plant with minimal labour.

The system is equipped with an automatic cleaning system and CCTV monitoring.

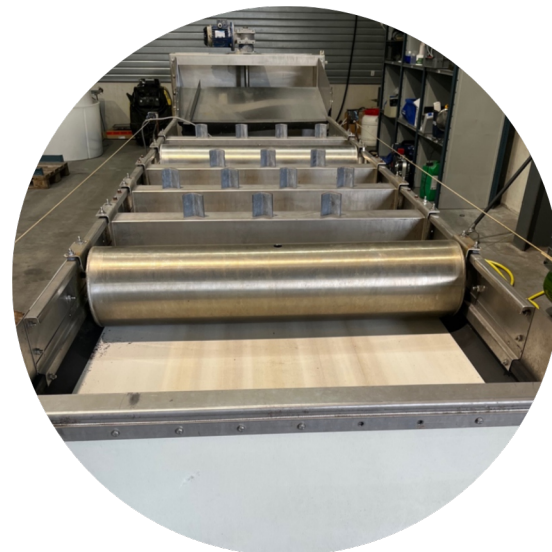
Suitable for farms with high manure output or as a mobile unit.

The input is slurry/digestate. This is treated with polymers, causing the organic matter and solid particles to move to the thick fraction. This can then be made further stackable by a screw press.

The thin fraction is then further filtered and directed to the HPRO, where it is dewatered and converted into Renure on the one hand and process water on the other. Process water is used for cleaning and for the preparation of the polymers. The remaining quantity can be applied on the farm.

Dehydration depends on the quality of the manure/digestate and the pressure in the HPRO.

Allocated costs:
± 5–8 euros per tonne of manure/digestate received.



Advantages

- Production of fertilizer substitutes
- Reduction in slurry disposal costs
- Reduced logistics
- Circular solution
- Closing the loop
- Reduction in ammonia emissions

Features

- 100% electric
- Remote control/monitoring
- Adjustable efficiency
- Leasing options
- VAMIL/MIA applicable

Technical

- Portable and optionally insulated unit
- On/off switch
- Camera control



Variants and system requirements

Capacity	2 m ³ /u	4 m ³ /u	8 m ³ /u
Voltage	400 V / 3+N+PE/50 Hz	400 V / 3+N+PE/50 Hz	400 V / 3+N+PE/50 Hz
Current	32 A	50 A	83 A
Power	10kW	25 kW	40 kW
Rated power	7,4kW	20 kW	30 kW
Water supply	½" connection	½" connection	½" connection
Internet access	Required, wired connection	Required, wired connection	Required, wired connection
Buffer tank	20m ³ minimum	40 m ³ minimum	80 m ³ minimum
Manure supply / disposal	DN 50	DN 50	DN 50
Footprint	2x 20 ft container	2x 20 ft container	2x 40 ft container

