

Biogas Reactor MR60 and MR80

Unique!



**The most effective biogas reactor on the market!
Payback within 7 months to 5 years!
Turn-key concept!**

Our biogas reactors feature:

- Monitored control • Low running costs • High efficiency • Stable fermentation process • Fast installation
- High yield • Mobility • Compact size • Unique substrate management • Handle TS-content up to 12%

Biogas Reactors are available in volumes 60 m³ and 80 m³

The reactor is designed so that the fermentation can occur in half the time taken by conventional fermentation chambers. Everything is conducted in a controlled process and fermented in approx. 10 days.

The reactor's design ensures that fresh substrate material input is not mixed with substrate in the fermentation process thereby eliminating residual degassing or keeping it to a very low level in comparison with conventional reactors where "new and old" are mixed as soon as stirring occurs and residual degassing is consequently relatively substantial.

The biogas reactor works with the benefits of thermophilic conditions in the temperature range 50-60 °C.

The reactor can be delivered as a unit or as a complete biogas extraction installation. This all depends on its position and the existing equipment and facilities at the installation site.

Biogas installations can also be connected to our own operational portal where we can support our customers with system surveillance and evaluation of delivered installations.

Technical data:

Size of reactor ex.	60 m ³ -80 m ³
TS-content	4-12%
Substrate flow, TS-content 10%	5.5 m ³ -8 m ³ /day
Net exchange, degree of efficiency	90 % of extracted bio energy

Examples of energy in biogases:

Sewage sludge	415-845	MWh/year
Pig manure	379-551	MWh/year
Household waste	632-1,083	MWh/year
Food Waste	1,067-1,544	MWh/year
Grain	722-1,051	MWh/year

