

Carborex[®]MS

Biogas upgrading to grid or vehicle fuel

The highest performance level
 with membrane technology

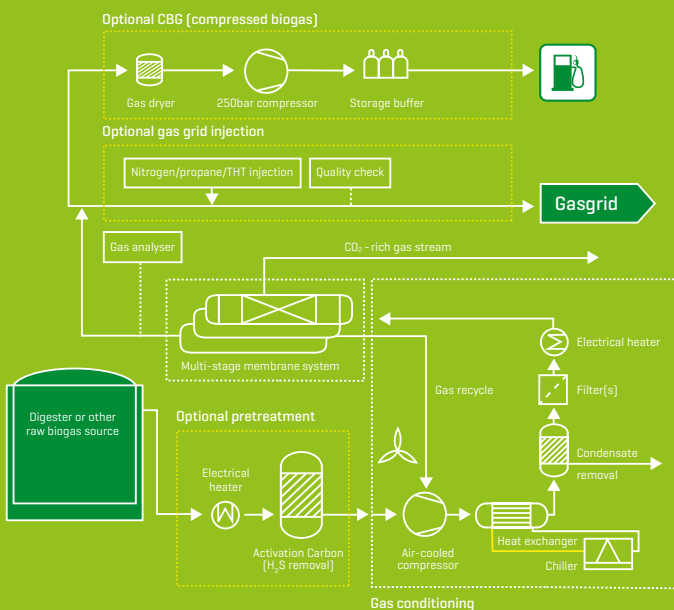
Why use Carborex[®]MS?

- Highest up-time/reliability
- 88 - 99% methane
- Low methane slip
- < 0.22-0.25 kWh/Nm³
- 0 - 100% flow flexibility
- 3-5 minutes startup, easy to operate
- Modular and compact system



DMT, your specialist in biogas upgrading

DMT Environmental Technology is a fast growing company that specializes in helping companies to contribute to the environment in a sustainable and profitable way. The techniques we implement solve environmental issues. With over more than 28 years of experience, DMT is reliable partner and market leader in the field of biogas upgrading with advanced membrane technology. With offices in Europe, the United States and Canada, we are always at your service. Our cost effective solutions are achieved with a team of highly motivated employees in collaboration with knowledge institutes and partners worldwide.



Selection table

Carborex [®] MS		Biogas Flow [Nm ³ /h]						
Rate	100	200	350	500	650	800	1000	1500
Model	HS-100	HS-200	HS-350	HS-500	HS-650	HS-800	HS-1000	HS-1500

Higher flows or concentrations on request

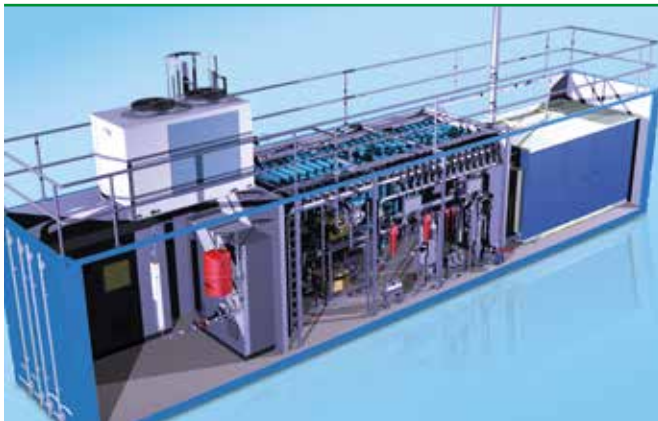
From biogas to grid injection

DMT Carborex[®] MS is a containerized, easy to operate solution for biogas upgrading. No columns, water or chemicals are needed. A simple compression step combined with a multistage membrane configuration purifies the biogas up to 99% biomethane. The biomethane can be used for grid injection or be compressed to 250 bar for use as vehicle fuel. The methane emissions remain lower than 0.5%. The CO₂ gas can be upgraded, if required, with an optional liquefaction step. From an economic point of view this is the best the industry has to offer: lowest operating cost at the lowest investment cost. Operation can be monitored remotely 24/7 and the simplicity of the design guarantees an uptime of > 98%.

Please check the animations on our website to see how Biogas Upgrading works: dmt-et.nl/products



Carborex [®] MS		Dimensions [m]		
Types	L	W	H	
MS 50	6,2	2,7	3,5	
MS 100-650	13,4	2,7	3,5	
MS 800-1000	18	2,7	4	



Optional features

- Propane / Nitrogen / THT injection
- Gatekeeper for grid injection
- Vehicle-fuel station (CNG)
- Heat pump system
- CO₂ liquefaction
- Pre-treatment



Our challenge
To create a clear
and prosperous future



DMT Environmental Technology

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