

INNOVATIVE SOLUTIONS BY EVO ENERGY TECHNOLOGIES

Unique engineering approaches to meet tomorrow's challenges



EVO ENERGY TECHNOLOGY SOLUTIONS

2G Cogeneration natural gas & biogas solutions

Biogas components

Biomethane plant solutions

EvoHeat heat pump systems

Heat recovery technologies

Specialised heating and cooling applications

ENVIRONMENTAL RESPONSIBILITY & COMMERCIAL PROFITABILITY

Biomethane plant solutions

Following an increased demand for bio-methane plants across Australia, Evo Energy Technologies are proud to supply the Australian market superior ETW Biomethane plants.

For over a decade ETW have been constantly improving their efficiency and as a result their technology sets the benchmark for energy consumption, gas purity and operating costs.

ETW BIOMETHANE PLANTS COMPRISE:

- Suitable for upgrading gas from waste, land-fills and waste water treatment plants
- A broad purification capacity range that goes from 200 to 10.000 Nm³/h
- CH₄ concentration in the product gas can be set from 95 - 99%
- Lowest energy consumption of \leftarrow 0.14 kWh/Nm³ including pre-conditioning
- Plant availability of \rightarrow 99%



Designed with ETW SmartCycle® technology, the process automatically adjusts itself to varying gas volume flows and qualities, granting a constant product gas purity, with constant heating value for grid injection or other applications.



Made in Germany

EvoET can design, supply, install, commission, maintain and turn key installations with on-going maintenance.

THE ADVANTAGES AT A GLANCE

ETW efficiency advantages in ongoing operations: easily accessible components, high availability, low maintenance costs, tried-and-tested plant technology offering a high degree of efficiency and automation.

RELIABILITY AND FEASIBILITY:

- Low maintenance costs thanks to reliable components and high adsorbent service life
- Reduced susceptibility to faults thanks to easy and intelligent design
- Machine technology featuring a redundant design
- Shortest response times in automatic process steering
- Automatic turn-down regulation
- Plant operational readiness within seconds without complex pre-parameterisation
- Plant start at the touch of a button
- Fast and uncompromising troubleshooting by competent service technicians

WHAT YOU DON'T NEED TO WORRY ABOUT:

- Stripping columns
- Demand for heat
- Fresh water requirements
- Process waste water
- Channeling in turn-down modes
- Harmful process waste gases
- Contamination of the environment with toxic chemical substances
- Chemical solvents and foams
- Chemical side reactions
- Pressure and volume fluctuations by product and crude gas
- CO₂ peaks in the CH₄ product
- Winter efficiency (protection from freezing is not required)
- Corrosion and deposits

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		BMA 470	BMA 1020	BMA 1580	BMA 3150
Max Volume flow Biogas (100% humidity)	Nm ³ /h	469	1024	1576	3152
Min Volume flow Biogas (100% humidity)	Nm ³ /h	241	333	374	374
Volume flow Biomethane	Nm ³ /h	257	563	867	1734
Power consumption including gas pre-treatment	kW kWh/Nm ³	84 0,178	169 0,165	243 0,154	476 0,151
Dimensions (L/W/H)	M	22/14/6	25/15/6	25/16/6	30/18/6
Sound level at 10m	dB(A)	55	55	55	55



tain and offer a full range of service from supply only to full
nce and support available from factory trained staff.

**THE ULTIMATE SOLUTIONS FOR IMPROVED
ENERGY EFFICIENCY**



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