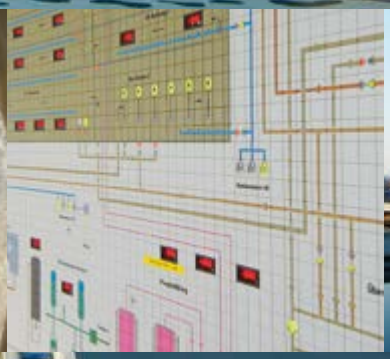
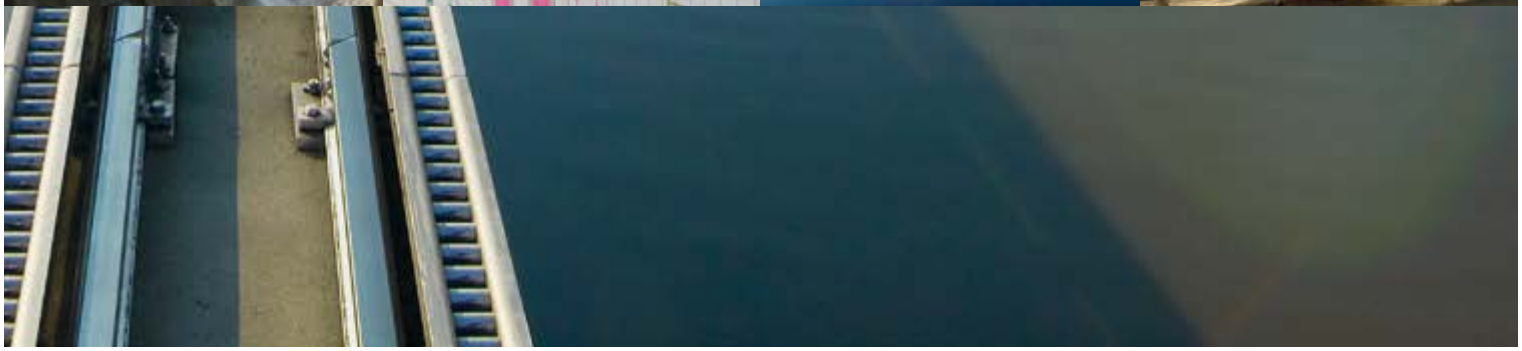
Biogas Solutions

Elmo Rietschle





Pumps and compressors.

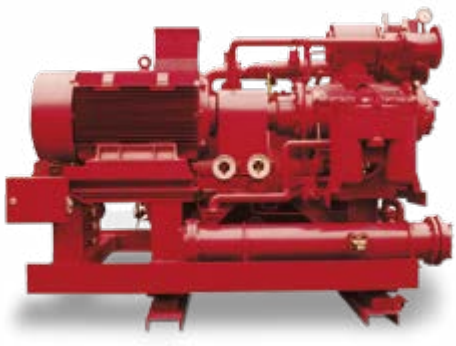
G-BH1
Single stage

G-BH2 VELOCIS
Single stage

G-BH7
Single stage

C-DLR ZEPHYR

X-RVA G WITTIG



X-RO G WITTIG

G-Series

Side channel blowers

The Elmo Rietschle side channel blowers are safe, reliable, and require little maintenance. Trouble-free operation up to 40,000 hours at remarkably low noise levels. The G-BH7 and G-BH2 VELOCIS heavy duty side channel blowers are capable of creating differential pressures of up to 1 bar. The G-BH1 group of side channel blowers can achieve 780 mbar.

Avantages:

- Dry technology
- Low maintenance
- ATEX
- Specific biogas version
- Low noise level
- Compact design
- Easy to install

C-Series

Claw compressors

Volume flow ranging from 60 to 600 m^3/h; pressure up to max. 2.2 bar in continuous operation. High output and dry, frictionless operation. Level performance curve throughout the operating range. Built-in cooling with no additional cooling medium.

Avantages:

- Dry technology
- Low maintenance
- ATEX
- Specific biogas version
- Compact design
- High output
- Custom-made solution with filtration and instrumentation

X-Series Wittig

Oil-lubricated vane compressors

Volume flow ranging from 342 to 2,930 m^3/h; pressure up to max. 10 bar (g), power ranging from 35 to 355 kW. The vane compressors are single-stage and can be either air- or water-cooled. Low noise level and can be supplied with optional sound shield if needed. X-RO Wittig compressors can be supplied with ATEX-compliant motors upon request.

Avantages:

- Wide performance range
- Low maintenance
- High availability
- ATEX
- Custom-made solution with filtration and instrumentation
- Low noise
- Optional sound shield

Our technologies for the biogas recovery process.

The wide range of applications and complex processes in the environmental industry requires the use of specific products. The digester mixer is a typical example in which proven solutions are inconceivable without close collaboration between manufacturer and customer.

Energy efficiency, low maintenance, high availability, environmental compatibility, and operating cost are parameters that cannot be compromised. The result of this collaboration is a product or system that is ideally suited to your application.

Digester mixer
The mixture is agitated during the digestion phase. Mixing to a greater depth improves the yield from the sludge and reduces the time spent in the digester. During the process the gas is suctioned from the top of the digester, compressed, and reintroduced at the bottom level by nozzles.

Storage of digestion gas
Transfer to low pressure gasometers for temporary storage, or to a pressurized sphere for greater storage capacity.

Biogas booster
Transfer of stored biogas to the consumers. For powering boilers, cogenerators, steam production, driers, or other flare towers.

Other applications
- Gas recirculation
- Small treatment plants

	F-Series Radial	G-Series Side channel	L-Series Liquid ring	V-Series Vane	R-Series Rotary lobe	C-Series Claw	S-Series Screw	X-Series Systems
Vacuum & Pressure			●			●		●
Vacuum & Pressure		●	●		●	●		●
Vacuum & Pressure		●			●	●		
Vacuum & Pressure		●	●		●	●		
Vacuum & Pressure		●	●	●	●	●		

Elmo Rietschle

We are at home throughout the world – and near you. Our service personnel speak your language. Take our word.

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Gardner Denver

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