

A detailed view of an industrial propane-air mixing unit. The unit features a central vertical blue pipe with three downward-pointing arrows. To the left, a pressure gauge is mounted on a horizontal pipe. Below the main unit, a yellow flange is visible. The background shows a stainless steel panel with various components, including a yellow-handled valve and a control box with a warning symbol.

**MAKEEN**  
ENERGY

# FAS SNG/ Propane-air mixing units

Effectivity - Quick solution - Independency

**FAS**  
A MAKEEN Energy Company

Businesses depend on stable and reliable energy, and even minor disruptions can have serious consequences. That's where Synthetic Natural Gas (SNG) comes in. By blending Liquefied Petroleum Gas (LPG) with air, SNG replicates natural gas and works seamlessly with existing systems. The only requirement is an LPG tank with vaporizers and a mixing system. This makes transitioning to SNG easy and cost-effective.

SNG systems not only provide an energy solution but also act as a smart backup plan. You can effortlessly switch between natural gas and SNG, ensuring your operations remain unaffected during market fluctuations, outages, or peak demand periods. Additionally, SNG offers long-term savings by reducing dependence on conventional natural gas and stabilising energy costs.

Our SNG systems are designed for easy installation within your current infrastructure and are perfect for managing peak loads, serving as a backup, or providing full energy supply where natural gas access is limited. With multiple energy sources at your disposal, SNG guarantees flexibility, reliability, and energy security for your business.



Venturi version with vaporizer FAS 2000i in cabinet execution, capacity 2 MW



Venturi version with 2 vaporizers FAS 2000 in cabinet execution, capacity 4 MW

**Specifications:**

- Control of Wobbe-index available
- Constant control of O<sub>2</sub> value
- SIL2 monitoring and shutdown
- Reliable mixing process
- Outputs from 3 MW up to 60 MW
- Output pressures from 50 mbar up to 3 bar
- Available as bare MIXER or in combination with FAS 2000 / FAS 3000 vaporizers
- Available as "ready to use version" mounted in a steel container

**Overview SNG-Mixing Unit Models**

SNG-mixing unit (propane-air)	Max. capacity, MW
FAS-LT 5	up to 5
FAS-LT 10	up to 10
FAS-LT 15	up to 15
FAS-LT 20	up to 20
FAS-LT 25	up to 25
FAS-LT 30	up to 30
FAS-LT 40	up to 40
FAS-LT 50	up to 50
FAS-LT 60	up to 60

*Other models and executions available on request.*



Compact unit mounted on a galvanized base frame

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MAKEEN Gas Equipment contact on  
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Or scan the QR-code.



#### Flüssiggas-Anlagen GmbH

Peiner Straße 217  
38229 Salzgitter  
Germany  
Tel +49 5341 8697-0  
Fax +49 5341 8697-11  
[info@fas.de](mailto:info@fas.de)  
[www.fas.de](http://www.fas.de)

#### MAKEEN Gas Equipment Headquarters

Alsvej 21  
8940 Randers SV  
Denmark  
Tel +45 8644 8734  
[mge@makeenenergy.com](mailto:mge@makeenenergy.com)  
[www.makeengasequipment.com](http://www.makeengasequipment.com)  
[www.makeenenergy.com](http://www.makeenenergy.com)

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**MAKEEN Gas Equipment** offers a wide range of high-quality gas equipment and components along with expert guidance from the beginning to the end of your project. In that way, our one-stop shop philosophy – and many warehouses around the world – provide you with much more than just a product. MAKEEN Gas Equipment is a company under MAKEEN Energy.

**MAKEEN Energy** is a global, market-leading corporation that delivers technological solutions, equipment, and customer support to the energy industry. We employ approx. 4,000 people across 6 continents and operate in over 140 countries. With our global reach, local presence, and decades of experience, we can deliver responsible solutions that make a difference to people and planet.