

40
YEARS
FAS

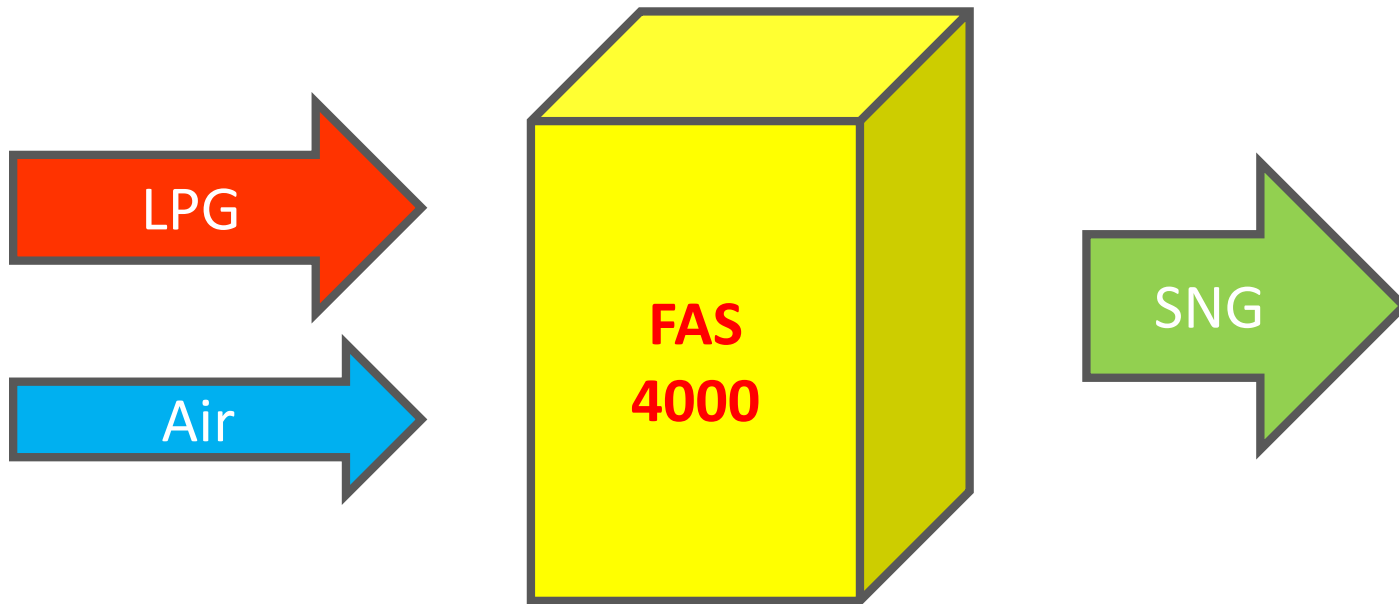
Vaporizer and SNG Systems

www.fas.de



SNG - Synthetic Natural Gas

SNG production through LPG-Air mixing:



Liquefied Petroleum Gas /
Propane-Butane mixture

Synthetic Natural Gas /
Substitute Natural Gas

(2)

SNG – The reliable alternative

LPG is **easily** transportable

→ Natural gas consumers can be operated in locations without connection to NG network

LPG can be stored **safely** on-site

→ Local gas reserves provide optimal reliability and security of supply

LPG-air mixtures provide a convenient, consistent, high quality fuel with combustion characteristics similar to natural gas.

→ **NO conversion or adaptation** required for existing natural gas consumers (SNG set to same Wobbe Index as NG)

Main purposes of SNG-systems

Additional Gas:

LPG-Air mixture is fed to the natural gas in the supply network.

- compensation and managing of peak loads and peak periods

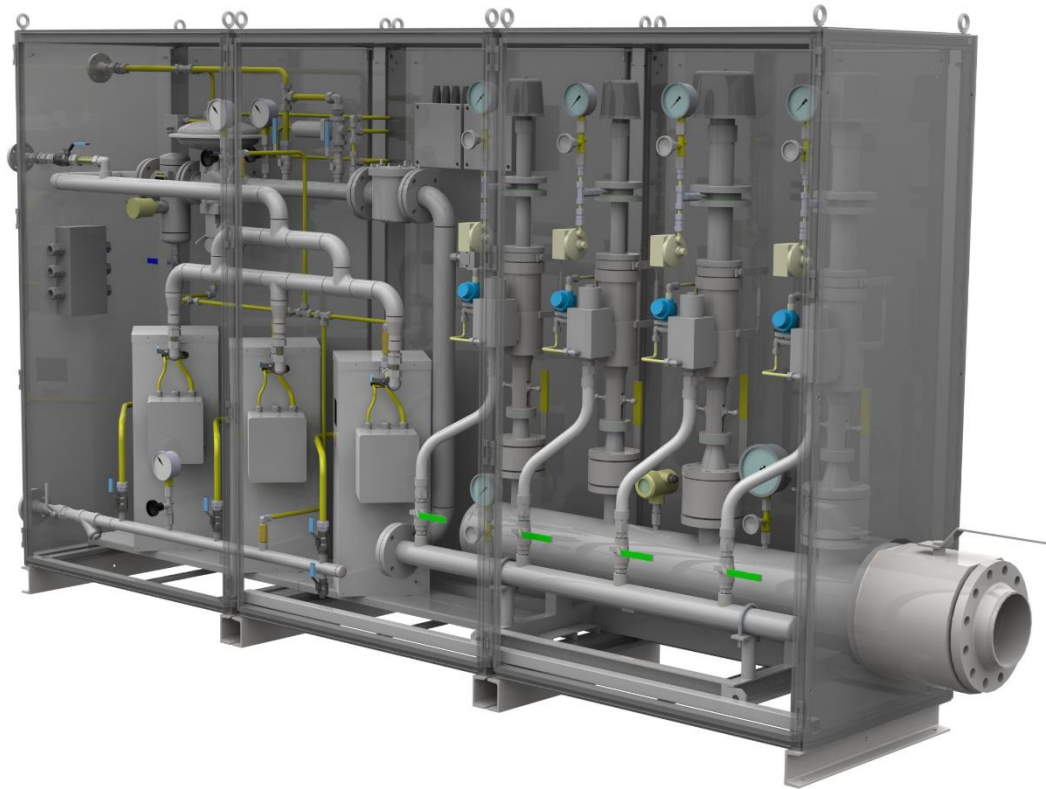
Exchange Gas:

LPG-Air mixture is fed into the supply network instead of natural gas.

- no connection to NG network
- supply breakdown (back-up operation)
- temporary supply of SNG during completion of new natural gas supply lines or in case of larger repair works within the natural gas grid

LPG-Air-Mixing Units from FAS

FAS 4000 - Series



FAS 4000 LP

Low Pressure execution

- Outlet pressure up to 500 mbar
- Capacity up to 7.000 Nm³/h
- Manual adjustment of calorific value
- Variable flow rate from 0% to 100 % (gradual due to cascading layout)
- No additional compressed air needed due to Venturi principle



FAS 4000 HP

High Pressure execution

- Outlet pressure of 1-4 bar
- Capacity up to 14.000 m³/h
- Possible automatic adjustment of calorific value
- Variable flow rate from 5% to 100 % (continuous)
- Compressed air required (Additional compressor available)



FAS 4000 - Solutions

Combined Vaporizer Mixing Units

- with Dry-type Vaporizers
FAS 2000
- with Water Bath Vaporizers
FAS 3000

Special executions according to customers specification

- Mounted in cabinet or sea container
- Customer-specific connections
- Turnkey solutions
- ...and many more



Let's talk about your requirements and ideas!
You can find us at our booth C10 / C11.

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Thank you for your kind attention!

Visit us at our booth C10 / C11

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Vaporizer and SNG Systems \\ May 20th 2015

