

ENERGY  
SAFETY  
COMPETENCE

LPG/NG  
POWER GENERATORS





Since 1975, FAS Flüssiggas-Anlagen GmbH has been specialized in technical solutions for LPG.

Other cornerstones of our company are plants and components for natural gas and technical gases as well as sewage pumps for sewage treatment plants.



Public utility companies, farmers, stockbreeders and plant builders are our main customers whenever reliable and self-sufficient emergency power units are required!

Consulting, support, service and delivery are further essential features which characterize our work.

Customers worldwide appreciate and trust FAS - let us convince you!





## GAS POWERED GENERATORS



### FAS GENERATORS - A solution for many areas

There are many different reasons to choose a gas powered generator from FAS

- **No or insufficient access to the electricity network**

Mountain lodges, farmers, events and much more.

- **The existing power supply is too weak**

This is the main reason for choosing a generator in industrial applications.

- **Protection / damage limitation in case of possible power failures**

Wherever a power outage can lead to substantial disruption and financial damage.



### FAS GENERATORS - Affordable system security

- **Energy suppliers**

In the event of a power failure or a non-existent natural gas network - Ensuring the supply of energy.

- **Biogas plant operators and agriculture**

Use of the produced biogas for self-sufficient energy supply of the biogas plant.

- **Industry**

Main power supply and protection against production breakdowns and machine damage. Also to cover temporary peaks.

- **Clinics/Hospitals**

Supply of life-sustaining medical devices with electricity.

- **Livestock breeding**

Securing of ventilation, feeding systems and air-conditioning of stables.

- **Private**

Low-cost heating and electricity generation in emergencies.



## FAS GENERATORS - An overview

FAS generators can be operated with natural gas or liquefied petroleum gas. No further conversions are necessary.



### • LPG operation

Always interesting when no natural gas connection is available or when a liquid gas tank is present. Operation also possible with supply from conventional LPG bottles (11, 33 kg)!



### • Natural gas operation

It is usually preferred when a natural gas connection already exists.



### • Operation with biogas, pyrolysis gas, accompanying gas, etc.

Exceedingly interesting for operators of biogas plants and sewage treatment plants.



### • Low noise emission

Thanks to the built-in sound damping, our emergency power units are particularly quiet.



### • Environmentally friendly

Lower emissions compared to fossil fuels such as petrol or diesel.



### • Opportunity for individual production according to customer requirements

You determine your unit: sockets, switches, accessories and much more. Enjoy the advantages of a manufacturer!


**FAS POWER GENERATORS**

Performance/Power [KW]	10 - 530
Drive (depending on model)	Direct / Belt
Fuel options	LPG / NG / other
min. inlet pressure	8 mbar
Option for parallel switch	Up to 3 MW
Generator	Brushless


**Particularities:**

Our newly developed emergency power units can be operated with either LPG or natural gas and can be delivered as required - single-phase or three-phase. With a broad power spectrum of 10 to 530 KW, many applications are covered.

- **VD Series** Power [kW] from 8 to 32
- **VR Series\*** Power [kW] from 15 to 24
- **M Series\*** Power [kW] from 40 to 55
- **R Series\*** Power [kW] from 100 to 315
- **MN Series\*** Power [kW] from 140 to 530 - With MAN engines


**Advantages of FAS power units at a glance:**

- ✓ Cost-effective
- ✓ Water cooled
- ✓ Easy to maintain
- ✓ Brushless generator
- ✓ Possibility of remote control by a smartphone
- ✓ Can be operated with LPG and / or natural gas

\*Currently without CE approval



## FAS Gas powered generators in agriculture

An emergency power supply in farms ensures that damage to animals or economic damage caused by production disturbances are eliminated or avoided.



## Precaution against damage caused by power failure



Gas powered generators from FAS ensure the maintenance of your agricultural production, such as for example the drying of the grain or the stable ventilation and air-conditioning, and protect it against possible damage!



## Be self-sufficient and use your own energy

Depending on your requirements, our units can also be operated with biogas and are distinguished by low-cost and clean electricity generation! Benefit from an efficient use of energy and use your own energy carrier!





## **FAS** FAS Gas powered generators in the industry



With over 40 years of company history and with our international team, we make our contribution to your independent and secure energy supply.

As a long-term partner to the industry, we know the needs and requirements in this branches. Gas powered generators for emergency power supply, generators for peaks-shaving or for the continuous operation - no matter what is your intended purpose for power generators, FAS is your partner!

## **FAS** YOUR „ONE-STOP-SHOP“

*Manufacture, sale, installation, commissioning, service*

Today, FAS has a modern and generously sized production capacity and is therefore able to manufacture all products in the highest possible quality, reliably and in a timely manner.

The power generators developed by FAS and our co-operation partners are manufactured by highly qualified employees with powerful machines and are subject to a comprehensive quality assurance system.



We are happy to advise you about the sale of a gas-powered power generator, the planning of an entire liquefied gas supply to the installation and commissioning of the entire system.

After completion of the project, we will of course provide our customers with after-sales services and continue to support you!



## FAS POWER GENERATORS

- VD Series - Cost-effective power units for everybody

	Model	Performance [kW]	Voltage [V]	Weght [KG]	Dimensions [mm]
Series VP	FAS - 8-1/VP	8	230	410	1321x780x963
	FAS - 10-1/VP	10	230		
	FAS - 11-3/VP	11	400/230		
	FAS - 12-1/VP	12	230		
	FAS - 13-3/VP	13	400/230		
	FAS - 15-1/VP	15	230	530	1699x933x1149
	FAS - 15-3/VP	15	400/230		
	FAS - 18-1/VP	18	230		
	FAS - 18-3/VP	18	400/230		
	FAS - 21-1/VP	21	230		
	FAS - 21-3/VP	21	400/230		
	FAS - 24-1/VP	24	230		
	FAS - 24-3/VP	24	400/230		
	FAS - 28-3/VP	28	400/230	550	
	FAS - 32-3/VP	32	400/230		

- VR\* Series - Gas powered power units - commercial + private

	Model	Performance [kW]	Voltage [V]	Weght [KG]	Dimensions [mm]
Series VR	FAS - 15-1/VR	15	230	530	1486x873x1142
	FAS - 15-3/VR	15	400/230		
	FAS - 18-1/VR	18	230		
	FAS - 18-3/VR	18	400/230		
	FAS - 21-1/VR	21	230		
	FAS - 21-3/VR	21	400/230		
	FAS - 24-3/VR	24	400/230		

- M\* Series - The entry into the industrial class

	Model	Performance [kW]	Voltage [V]	Weght [KG]	Dimensions [mm]
Series M	FAS - 40-3/M	40	400	1210	2200x1220x1350
	FAS - 50-3/M	50	400	1310	

- R \* Series - High-performance generators for industry

	Model	Performance [kW]	Voltage [V]	Weght [KG]	Dimensions [mm]
Series R	FAS - 100-3/R	100	400/230	2500	2900x1420x1650
	FAS - 150-3/R	150	400/230		
	FAS - 200-3/R	200	400/230	3600	3300x1200x1970
	FAS - 250-3/R	250	400/230		
	FAS - 315-3/R	315	400/230	4700	3400x1350x1970

- MN\* Series - Gas-powered power units based on MAN engines

	Model	Performance [kW]	Voltage [V]	Weght [KG]	Dimensions [mm]
Series MN	FAS - 140-3/MN	140	400/230	2500	2900x1200x1650
	FAS - 240-3/MN	240	400/230	3600	3300x1200x1970
	FAS - 530-3/MN	530	400/230	4700	3400x1350x1970

\*Currently without CE approval



WHAT ARE THE ADVANTAGES FOR FAS CUSTOMERS? WHAT WE STAND FOR?



• **OPERATION & MAINTENANCE**

Installation consulting service & 24h service hotline



• **TECHNICAL ADVICE**

...and support from our engineers



• **REDUCED DELIVERY TIMES**

At FAS, around 50,000 items are immediately available



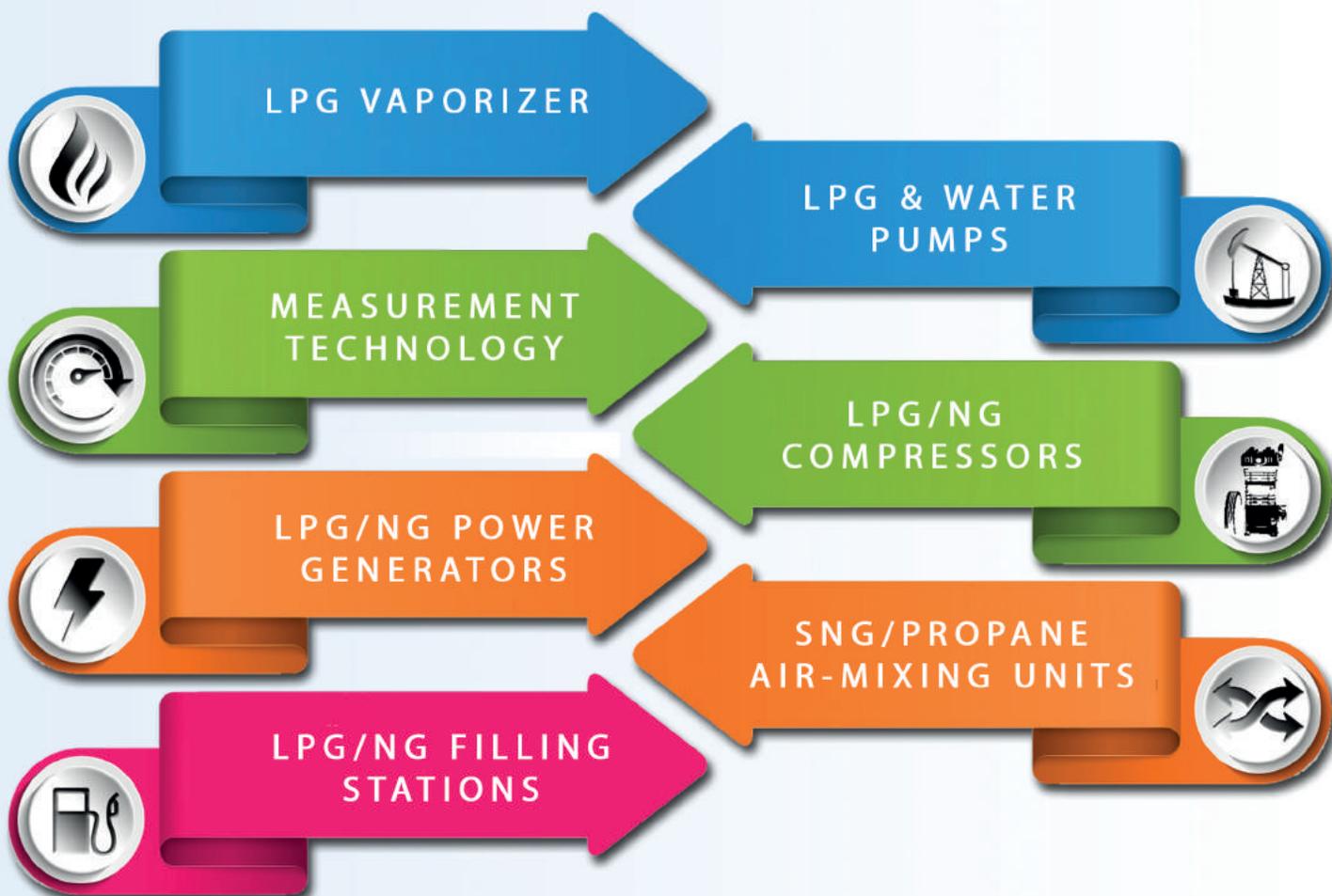
• **IMMEDIATE SPARE PARTS SUPPLY**

...within 24h for all parts in stock



YOUR RELIABLE CONTACT FOR LPG AND NATURAL GAS APPLICATIONS

**-SINCE 1975-**



If you have any questions about our products and services, please do not hesitate to contact us! Our employees are available under 05341 - 8697-30 without restrictions.

You can contact us also via E-Mail:

J.falk@fas.de  
D.kambas@fas.de  
I.paul@fas.de

For more information about our products please visit:

[www.fas-engineering.de](http://www.fas-engineering.de) and [www.fas.de](http://www.fas.de)

## Assembly and service



### Our service team offers you a complete on-site service

An individual service and maintenance agreement for your plant with a corresponding 24 hour emergency service can be provided.

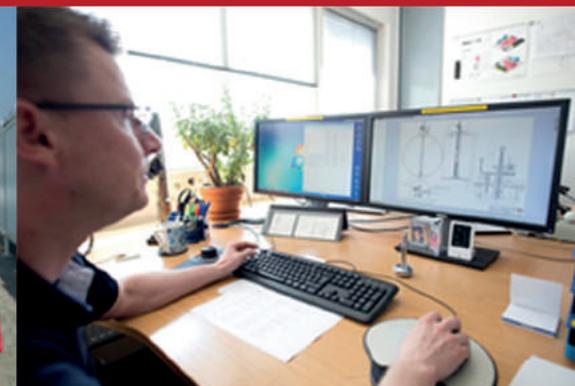
### Electricity from gas - solutions from FAS

Our service team supports all customers in assembling and commissioning of your plants. Especially in case of emergencies such as repairs and spare parts supply, we can react very quickly and customer-friendly through high storage capacities!

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**Quick help, assistance & service > 24h / 7days**  
**Assured by 20 service- and 15 warehouse workers**

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### What are the advantages of FAS customers? What we stand for?



- Shortened delivery times
- Immediate spare parts supply
- Customer support & after-sales service
- Technical consulting by our engineers > cost reduction from the beginning of your project!
- Technical support for minimization of operating costs!



# FAS

modern industrial solutions

Company certified according to  
DIN EN ISO 9001:2008  
Company supplies all products and services according to  
PED 97/23/EC - ATEX 94/9EC - MID 2004/22EC - TPED 99/36/EC



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This way to our

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