

GOK

Components * Solutions * Systems

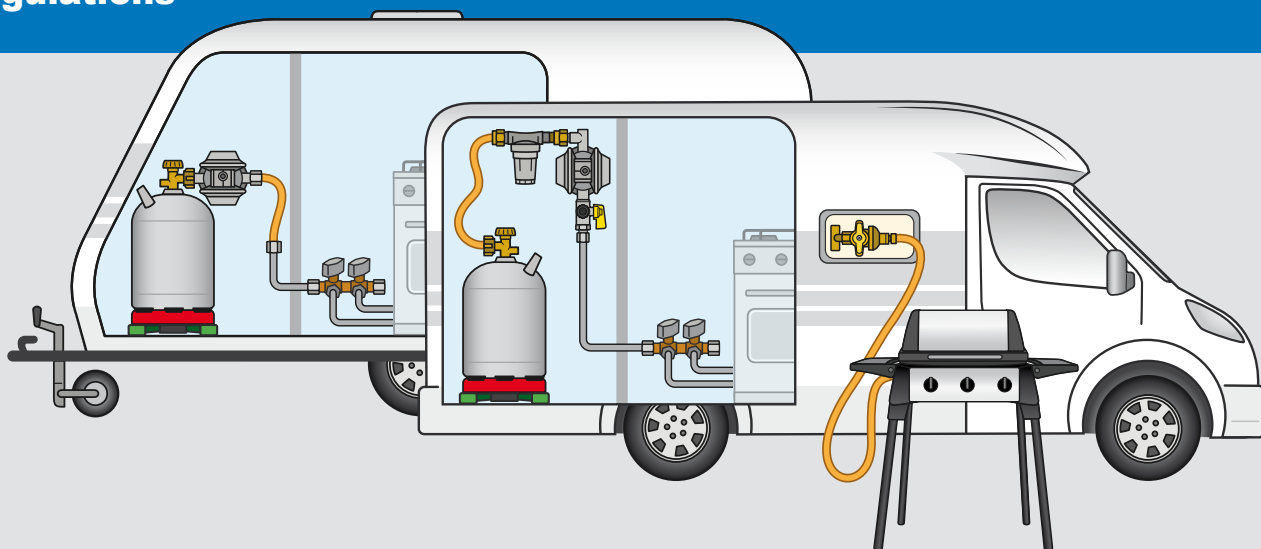


The advertisement features a central image of a GOK LPG system component, specifically a Caramatic valve assembly, overlaid on a background photograph of a white motorhome parked in a field of yellow flowers under a blue sky. The valve assembly is silver with a prominent yellow handle and a label that reads 'Caramatic'. A circular badge on the valve assembly states 'GOK CRASH Sensor IMPROVED SAFETY FEATURE'. The word 'LPG' is written in blue capital letters above the word 'Caravan', which is written in a large, stylized, yellow cursive font. Below this, the text 'SAFETY and QUALITY for LPG systems in leisure vehicles' is displayed in white capital letters on a yellow background.

LPG

Caravan

SAFETY and QUALITY
for **LPG** systems
in **leisure vehicles**



EN 1949 – the standard for installation

This standard describes the requirements for LPG installations in motorhomes and caravans throughout Europe.

The main requirements are:

1. Before a vehicle is sold to an end customer it must be fitted with a pressure regulator.
2. The pressure regulator must comply with EN 16129 Annex D.
3. The pressure regulator can be installed directly to the cylinder valve or be attached permanently to the vehicle wall and connected to the gas cylinder by means of a high pressure hose assembly.
4. A test pressure of 150 mbar is used for leak testing in the LPG installation.
5. External gas equipment can be connected to the vehicle's LPG installation and supplied by means of a quick coupler.
6. Automatic changeover systems according to EN 16129 Annex D or manual changeover systems may be used.
7. The LPG system in the vehicle may also be operated from an external gas supply. The connection is made using a quick coupler. Additionally, a manual changeover valve must be installed before the pressure regulator, which can be used to switch between the internal gas cylinder and the external LPG feed.
8. The requirements for the installation of LPG tanks that are attached firmly to the vehicle were included.

Gas supply while driving

For operating of gas equipment while driving, directive 2006/119/EC requires special safety devices that prevent non-combusted LPG from leaking in case of an accident.

EN 16129 Annex D – the standard for regulators and automatic changeover systems

The main points of this standard are:

1. The working pressure of the LPG system is 30 mbar (throughout Europe).
2. The maximum flow rate is 1.5 kg/h.
3. The inlet pressure range is 0.3 to 16 bar. Hence, these pressure regulators are suitable for all LPGs (propane, butane and mixtures of these).
4. The pressure regulator must be equipped with a safety device to protect the consumer device against excessive pressure increases (protection pressure 150 mbar):
 - Pressure relief valve PRV
 - Overpressure safety device S2SR

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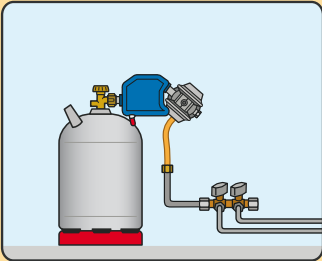
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**GAS SUPPLY WHILE DRIVING
MOTORHOMES AND CARAVANS**

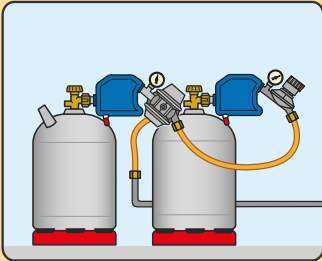
Control system cylinder connection

Single-cylinder system



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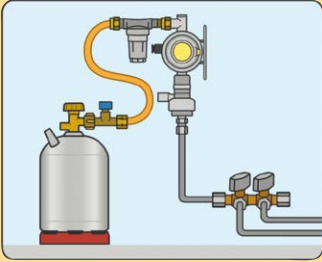
Two-cylinder system



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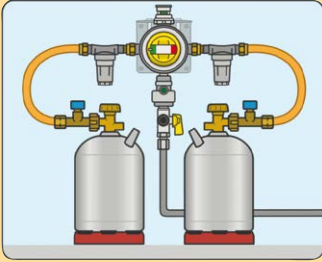
Control system wall assembly

Single-cylinder system



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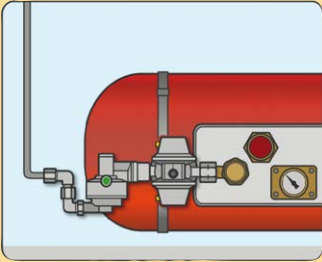
Two-cylinder system



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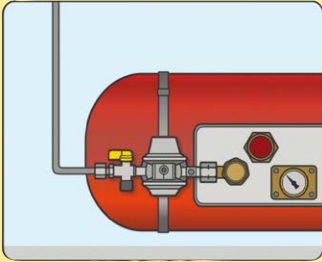
Motorhome – LPG tank Motorhome – LPG tank

While driving



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Stationary



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Product information:
We only deliver products that do not contain chromium VI.

FOR LPG IN LEISURE VEHICLES



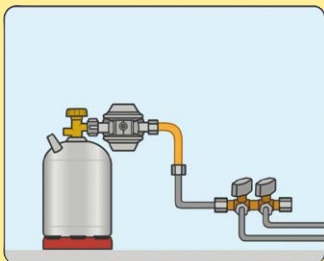
MOTORHOMES AND CARAVANS



OPERATION AND TESTING

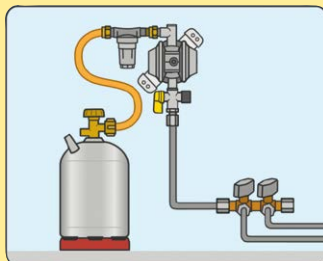
Choice of pressure regulators

Cylinder connection



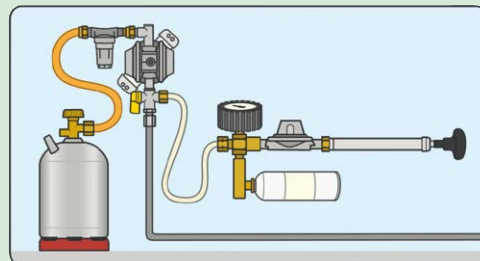
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Wall assembly



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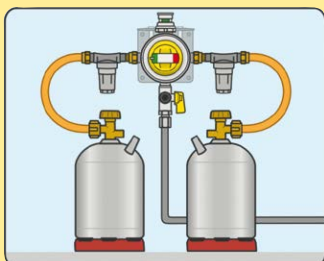
Check for leaks by qualified persons



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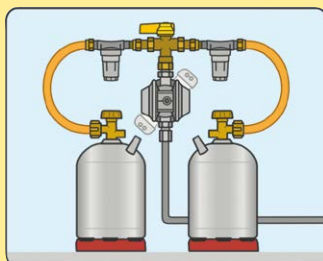
Two-cylinder system

Automatic changeover



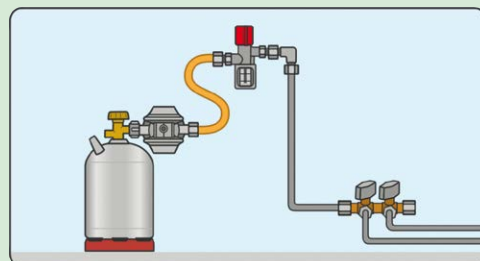
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Manual changeover



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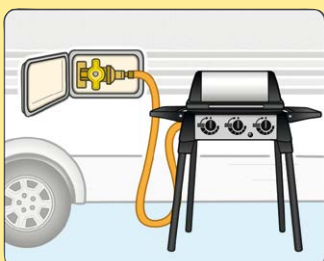
Leak checking by the operator



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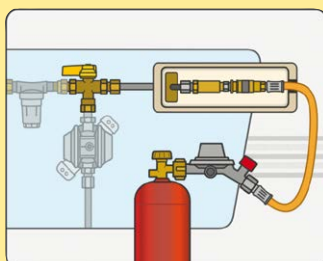
External connection

LPG withdrawal



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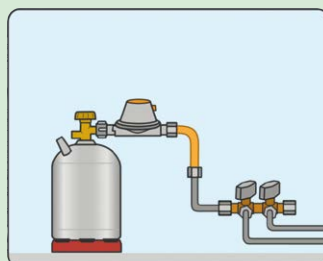
LPG feed



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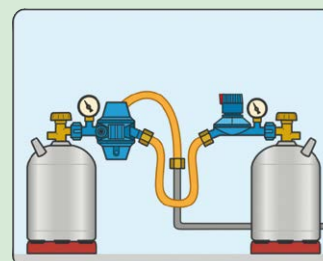
Care and maintenance

Installation 50 mbar



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Two-cylinder system



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Capacity stages of low pressure regulators

By using the calculation examples below, you can determine the correct capacity stage of the low pressure regulator for your vehicle. All you have to do is add up the required LPG volumes of the consumer equipment that you have installed.

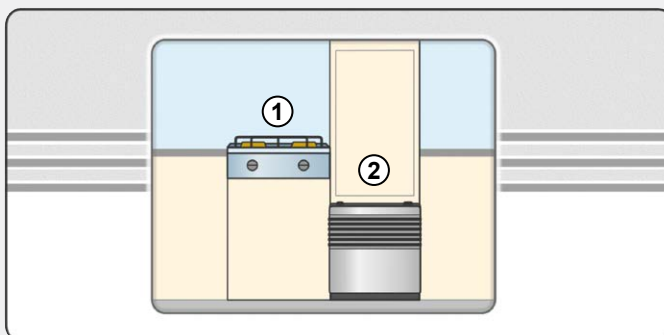


INSTALLATION EXAMPLES

Capacity stage 1 – nominal flow rate 0.8 kg/h

Installation example:

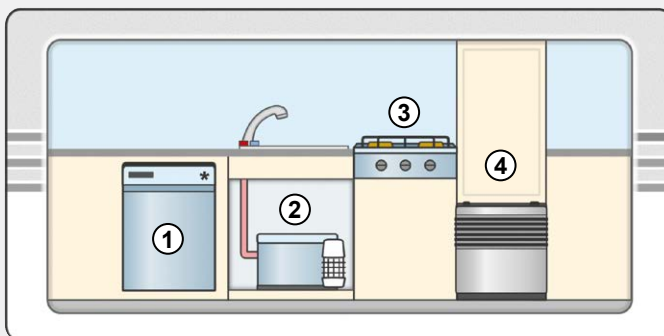
① Stove 2 flame	=	approx. 194 g/h
② Caravan heating	=	approx. 480 g/h
Total consumption	=	approx. 674 g/h



Capacity stage 2 – nominal flow rate 1.2 kg/h

Installation example:

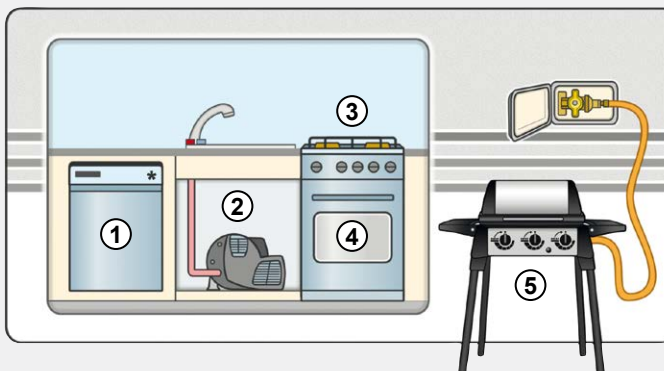
① Cooling device	=	approx. 80 g/h
② Boiler	=	approx. 120 g/h
③ Stove 3 flame	=	approx. 200 g/h
④ Caravan heating	=	approx. 480 g/h
Total consumption	=	approx. 880 g/h

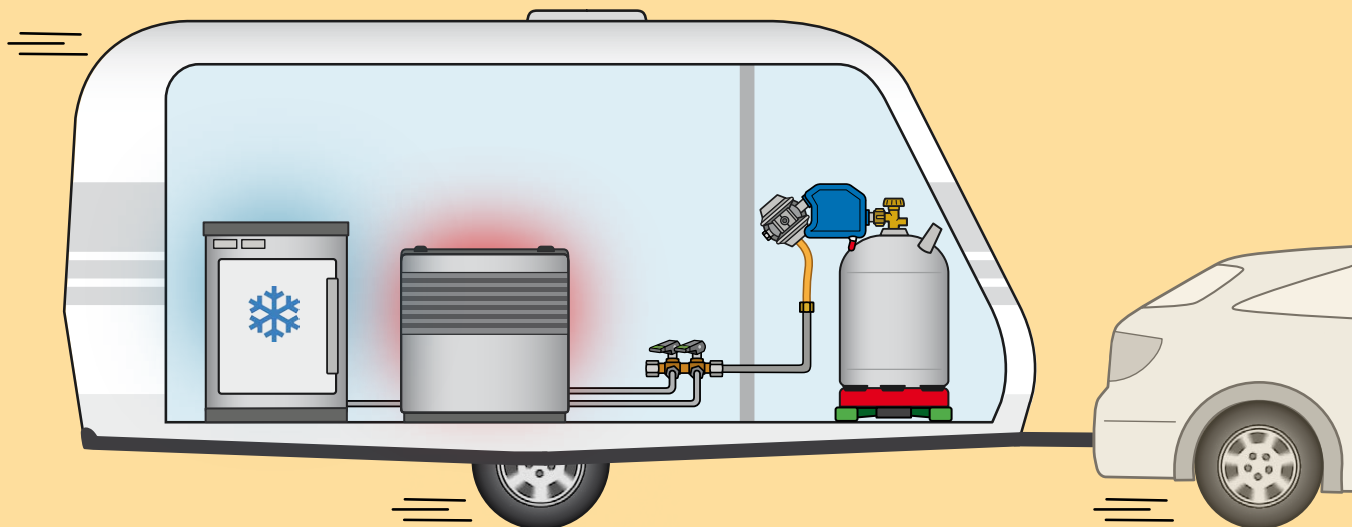


Capacity stage 3 – nominal flow rate 1.5 kg/h

Installation example:

① Cooling device	=	approx. 80 g/h
② Heater and water heater	=	approx. 480 g/h
③ Stove 4 flame	=	approx. 330 g/h
④ Oven	=	approx. 200 g/h
⑤ Gas barbecue	=	approx. 350 g/h
Total consumption	=	approx. 1440 g/h





Caramatic SafeDrive is a safety pressure regulation system to operate single-cylinder systems in motorhomes and caravans also while driving.

The unit consisting of low pressure regulator and crash sensor is mounted directly on the gas cylinder. A hose assembly connects the regulation system to the vehicle's piping.

The advantages of Caramatic SafeDrive are:

- Straightforward retrofitting, as no wall assembly of the regulator is required; the installation takes place directly on the gas cylinder
- Problem-free change of manufacturer to GOK
- No gas filter or excess flow valve necessary thanks to the installation of the system directly on the gas cylinders
- Low space requirement for the installation in the gas cylinder case
- Protection of the entire pipe system starting from the gas cylinder thanks to the crash sensor
- The gas cylinder can stay open at all times
- Gas supply to gas appliances also while driving



In contrast to the previous version, the crash sensor with pendulum solution from GOK offers the following advantages:

- faster and easier start-up and reset after response
- more precise performance and therefore less interference from incorrect response behaviour
- start-up possible with no problem, even if the leisure vehicle is in an inclined position



Caramatic SafeDrive

safety gas pressure regulation device for the operation of single-cylinder systems in motorhomes and caravans while driving, for direct connection to the gas cylinder

consisting of: mechanical crash sensor with pendulum, low pressure regulator with over-pressure safety device S2SR, medium pressure hose assembly and regulator bracket

Advantages and equipment

- gas supply while driving using the integrated mechanical crash sensor with pendulum, which blocks the gas flow in case of an accident
- Advantages crash sensor with pendulum:
 - faster and easier start-up and reset after response
 - more precise performance and therefore less interference from incorrect response behaviour
 - start-up possible with no problem, even if the leisure vehicle is in an inclined position
- straightforward retrofitting, as no wall assembly of the regulators is required; the installation takes place directly on the gas cylinder
- low space requirement for installation in the gas cylinder case
- gas cylinder can also stay open all the time while driving
- increased safety, as in the event of an accident, the gas supply is stopped directly at the gas cylinder
- medium pressure hose assembly (rubber with textile lining; cold resistant up to -30 °C; hose dimensions 6.3 x 3.5 mm) G 1/4 lh nut x compr. fit. 10 x 450 mm
- by default, the version with compression fitting 10 / 8 at the outlet is fitted with an adapter to connect 8 mm piping
- brackets for safe holding of the regulator on the wall, e.g. when replacing the gas cylinder

Conformity

- single fittings with DIN-DVGW and/or DVGW [German Association of Gas and Water] type test certificate or EU type examination certificate PED

Technical data

- maximum admissible pressure: PS 16 bar

Note

- Caramatic SafeDrive cannot be used with an adapter for the gas cylinder with clip-on connector.

Caramatic SafeDrive

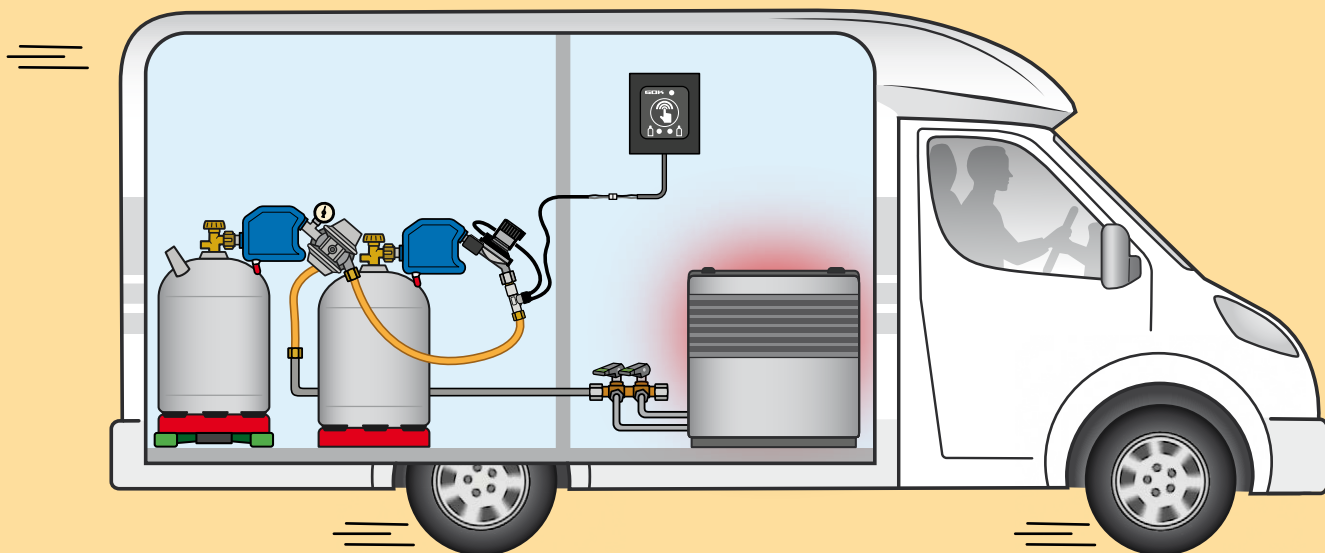
KLF	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	DE / AT / PL	71 833 12	
Brit.POL	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	GB propane	71 833 07	
EU-Shell	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	GB butane	71 833 08	
Ital.A	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	IT / GR / CY	71 833 01	
POL-WS	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	SE	71 833 10	
Shell-F	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	CH / BE	71 833 02	
KLF	x	compr. fit. 10 / 8	50 mbar	1.5 kg/h	DE / AT / PL	71 835 12	

Spare part

Fitting pipe socket 10 x compr. fit. 8	67 223 00	
Medium pressure hose assembly G 1/4 lh nut x compr. fit. 10 x 450 mm	04 409 16	

NEW





Caramatic SafeDrive PLUS is a unit to operate two-cylinder systems in motorhomes and caravans also while driving.

The central and changeover regulators - each equipped with integrated crash sensor – are mounted to the two gas cylinders and connected to each other with a hose assembly. Another hose assembly provides the connection to the vehicle's piping.

The advantages of Caramatic SafeDrive PLUS are:

- Straightforward retrofitting, as no wall assembly of the regulators is required; the installation takes place directly on the gas cylinder
- Problem-free change of manufacturer to GOK
- No gas filter or excess flow valve necessary thanks to the installation of the system directly on the gas cylinders
- Low space requirement for the installation in the gas cylinder case
- Protection of the entire pipe system starting from the gas cylinder thanks to the crash sensor
- Automatic changeover – without interrupting the gas supply
- The gas cylinder can stay open at all times
- Gas supply to gas appliances also while driving
- Can be upgraded with the Caramatic BasicControl remote display



In contrast to the previous version, the crash sensor with pendulum solution from GOK offers the following advantages:

- faster and easier start-up and reset after response
- more precise performance and therefore less interference from incorrect response behaviour
- start-up possible with no problem, even if the leisure vehicle is in an inclined position



Caramatic SafeDrive PLUS

safety gas pressure automatic changeover system for the operation of two-cylinder systems in motorhomes and caravans while driving, for direct connection to the gas cylinder

consisting of: central and changeover regulator with mechanical crash sensor with pendulum and pressure gauge, medium pressure hose assemblies and regulator bracket

Advantages and equipment

- gas supply while driving using the integrated mechanical crash sensor with pendulum, which blocks the gas flow in case of an accident
- Advantages crash sensor with pendulum:
 - faster and easier start-up and reset after response
 - more precise performance and therefore less interference from incorrect response behaviour
 - start-up possible with no problem, even if the leisure vehicle is in an inclined position
- straightforward retrofitting, as no wall assembly of the regulators is required; the installation takes place directly on the gas cylinder
- low space requirement for the installation in the gas cylinder case
- gas cylinder can also stay open all the time while driving
- increased safety, as in the event of an accident, the gas supply is stopped directly at the gas cylinder
- automatic changeover to the gas cylinder on the reserve side as soon as the gas cylinder on the operating side is empty
- the cylinder can be replaced without operational interruption
- with pressure relief valve PRV
- gas non-return valve: prevents the escape of gas when the cylinder is replaced
- medium pressure hose assembly (rubber with textile lining; cold resistant up to -30 °C; hose dimensions 6.3 x 3.5 mm) G 3/8 lh nut x G 3/8 lh nut x 450 mm to connect the two regulators
- medium pressure hose assembly (rubber with textile lining; cold resistant up to -30 °C; hose dimensions 6.3 x 3.5 mm) G 1/4 lh nut x compr. fit. 10 x 450 mm
- suitable for connection of the remote display Caramatic BasicControl
- by default, the version with compression fitting 10 / 8 at the outlet is fitted with an adapter to connect 8 mm piping
- brackets for safe holding of the regulator on the wall, e.g. when replacing the gas cylinder

Conformity

- single fittings with DIN-DVGW and/or DVGW [German Association of Gas and Water] type test certificate or EU type examination certificate PED

Technical data

- maximum admissible pressure: PS 16 bar
- connections: outlet: central regulator: G 1/4 lh M
changeover regulator: G 3/8 lh M
- outlet pressure: central regulator: 30 or 50 mbar
changeover regulator: 150 mbar

Note: Caramatic SafeDrive PLUS cannot be used with adapter for the gas cylinder with clip-on connector.

Caramatic SafeDrive PLUS

KLF	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	DE / AT / PL	71 843 12	
Brit.POL	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	GB propane	71 843 07	
EU-Shell	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	GB butane	71 843 08	
Ital.A	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	IT / GR / CY	71 843 01	
POL-WF	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	SE	71 843 10	
Shell-F	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	CH / BE	71 843 02	
KLF	x	compr. fit. 10 / 8	50 mbar	1.5 kg/h	DE / AT / PL	71 845 12	

Spare part

Medium pressure hose assembly G 1/4 lh nut x compr. fit. 10 x 450 mm	04 409 16	
Medium pressure hose assembly G 3/8 lh nut x G 3/8 lh nut x 450 mm	04 505 11	
Fitting pipe socket 10 x compr. fit. 8	67 223 00	

Accessories

Caramatic BasicControl - Remote display for Caramatic BasicTwo two-cylinder system or Caramatic SafeDrive PLUS	71 392 00	
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NEW





Caramatic BasicControl

remote display for Caramatic BasicTwo two-cylinder system or Caramatic SafeDrive PLUS

Convenient information and control unit for monitoring of the operating and reserve cylinders of the two-cylinder system Caramatic BasicTwo for motorhomes, caravans and boats or the Caramatic SafeDrive PLUS for motorhomes and caravans.

consisting of: information and control unit including connection cable 6 m, cover frame, pressure and reed sensor for remote display with connection cable 2 m

Advantages and equipment

- remote indication of the operating status (normal or reserve operation) of the gas cylinders
- always know whether and, if so, which of the two gas cylinders is empty and needs to be changed
- can be easily installed in new systems or retrofitted in existing systems
- can be used with the two-cylinder system Caramatic BasicTwo or Caramatic SafeDrive PLUS
- connection of all components by using a plug system, no soldering necessary

Conformity


- CE marking according to ATEX and EMC

Technical data


- supply voltage: 12 V

Caramatic BasicControl


Remote display for Caramatic BasicTwo two-cylinder system or Caramatic SafeDrive PLUS

Information and control unit with pressure and reed sensor for the remote display **71 392 00** 

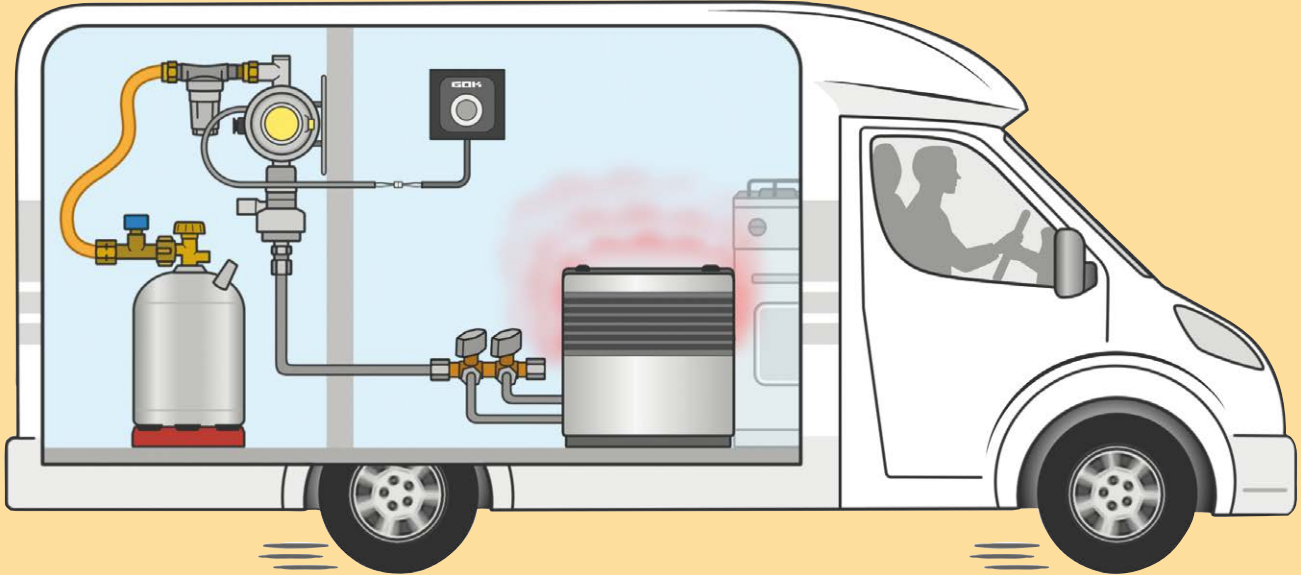
Spare part

Cover frame, colour: anthracite **71 391 00** 

Accessories

Extension cable 10 m **71 392 01** 





Safety of gas supply while driving

If, for example, the on-board gas heating is also to be used to heat the vehicle while driving, specialist safety devices must be installed to prevent gas leakage in case of an accident.

The combination of an excess flow valve for the high pressure hose assembly and a mechanical crash sensor for the piping continuously monitors the LPG installation.



In contrast to the previous version, the crash sensor with pendulum solution from GOK offers the following advantages:

- faster and easier start-up and reset after response
- more precise performance and therefore less interference from incorrect response behaviour
- start-up possible with no problem, even if the leisure vehicle is in an inclined position

The connection to the gas cylinder is made with the suitable country-specific excess flow valve and a Caramatic ConnectDrive high pressure hose assembly without the Caramatic DriveOne low pressure regulator needing to be replaced.

Between the hose assembly and the low pressure regulator is a gas filter, which protects the connected fittings and devices from soiling.



Caramatic DriveOne Set

safety gas pressure regulation device for operating single-cylinder systems in motorhomes and caravans while driving

consisting of: Caramatic ConnectDrive (length: 450 mm), Caramatic ConnectClean 2.0 with fixing bracket, low pressure regulator with over-pressure safety device S2SR, mechanical crash sensor with pendulum, test point and fixing bracket

Advantages and equipment

- includes all components for start-up a single-cylinder system suitable for gas supply while driving
- gas supply while driving using the integrated mechanical crash sensor with pendulum, which blocks the gas flow in case of an accident
- Advantages crash sensor with pendulum:
 - faster and easier start-up and reset after response
 - more precise performance and therefore less interference from incorrect response behaviour
 - start-up possible with no problem, even if the leisure vehicle is in an inclined position
- test point for leak testing the LPG system without disassembling the pressure regulating device
- suitable for connection of an Eis-Ex, e.g. Caramatic TwoControl
- by default, the version with compression fitting 10 / 8 at the outlet is fitted with an adapter to connect 8 mm piping

Conformity

- single fittings with DIN-DVGW and/or DVGW [German Association of Gas and Water] type test certificate or EU type examination certificate PED
- single fittings with DIN-DVGW and/or DVGW [German Association of Gas and Water] type test certificate or EU type examination certificate GGV

Technical data

- maximum admissible pressure: PS 16 bar

Note

- Fulfils the requirements of DGUV Regulation 110-010 (German statutory accident insurance, previously DGUV regulation 79) and is suitable for use in commercially used motorhomes and caravans.

Caramatic DriveOne Set

horizontal installation

straight inlet

KLF	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	71 113 23	
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vertical installation

90° inlet

KLF	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	71 113 13	
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Spare parts

Caramatic ConnectDrive G.12 (KLF) x M20 x 1.5 nut x 450 mm	71 884 12	
Filter cartridge 2.0, consisting of 1 x filter element and 1 x supporting core	71 781 60	
Filter element 2.0 without supporting core / cont. 2 units	71 781 90	
Additional fixing bracket for Caramatic ConnectClean 2.0	71 781 81	

Accessories

90° elbow M20 x 1.5 M x M20 x 1.5 nut	71 509 00	
Caramatic TwoControl with Eis-Ex regulator heating	71 300 20	
Eis-Ex regulator heating with connection cable	71 390 20	





Caramatic DriveOne

safety gas pressure regulation device for operating single-cylinder systems in motorhomes and caravans while driving

consisting of: low pressure regulator with over-pressure safety device S2SR, mechanical crash sensor with pendulum and test point

Advantages and equipment

- gas supply while driving using the integrated mechanical crash sensor with pendulum, which blocks the gas flow in case of an accident
- Advantages of crash sensor with pendulum:
 - faster and easier start-up and reset after response
 - more precise performance and therefore less interference from incorrect response behaviour
 - start-up possible with no problem, even if the leisure vehicle is in an inclined position
- can be used all over Europe through the use of country-specific high pressure hose assemblies – Caramatic ConnectDrive (not included in delivery)
- test point for leak testing the LPG system without disassembling the pressure regulating device
- suitable for connection of an Eis-Ex, e.g. Caramatic TwoControl
- by default, the version with compression fitting 10 / 8 at the outlet is fitted with an adapter to connect 8 mm piping

Conformity

- EC type examination certificate PED
- EC type examination certificate GAR
- UKCA type examination certificate GAR

Technical data

- maximum admissible pressure: PS 16 bar

Note

- Fulfills the requirements of DGUV Regulation 110-010 (German statutory accident insurance, previously DGUV Regulation 79) and is suitable for use in commercially used motorhomes and caravans.
- For Caramatic DriveOne with wall bracket it is recommended to use the gas filter Caramatic ConnectClean 2.0 (part no. 71 781 03) to protect the LPG system in the vehicle from oily aerosols and evaporation residues!

Caramatic DriveOne with wall bracket

horizontal installation

straight inlet

M20 x 1.5 M	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	71 813 23	
M20 x 1.5 M	x	compr. fit. 8	50 mbar	1.5 kg/h	71 815 21	

vertical installation

90° inlet

M20 x 1.5 M	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	71 813 13	
M20 x 1.5 M	x	compr. fit. 8	50 mbar	1.5 kg/h	71 815 11	

Accessories

Caramatic ConnectClean 2.0 M20 x 1.5 M x M20 x 1.5 nut / cont. 1 unit	71 781 03	
90° elbow M20 x 1.5 M x M20 x 1.5 nut	71 509 00	
Caramatic TwoControl with Eis-Ex regulator heating	71 300 20	





Caramatic ConnectDrive

high pressure hose assembly with excess flow device for connection to all wall-mounted low pressure regulators with inlet M20 x 1.5 M, in particular for gas supply while driving and to the gas cylinder valve

Advantages and equipment

- can be used all over Europe through the use of high pressure hose assemblies with country-specific connections
- excess flow device prevents gas escape in case of damage or if the hose assembly becomes detached, and blocks the gas flow, as soon as the nominal flow rate is exceeded by 10 %
- **manual excess flow valve SBS/MA:**
no delay or leakage volume, but manual opening required

Conformity

- single fittings with DIN-DVGW and/or DVGW [German Association of Gas and Water] type test certificate

Technical data

- hose: **rubber with textile lining**
- cold resistant up to -30 °C

Note

- The 750 mm long hose assembly may only be used for cylinder brackets with a pull-out device.

Caramatic ConnectDrive PS 30 bar

hose dimensions 6.3 x 5.0 mm

connections: cylinder connection x regulator connection

G.12 (KLF)	x	M20 x 1.5 nut	x	450 mm	DE / AT / PL	71 884 12	
G.12 (KLF)	x	M20 x 1.5 nut	x	750 mm	DE / AT / PL	71 887 12	
G.7 (Brit.POL)	x	M20 x 1.5 nut	x	450 mm	GB propane	71 884 07	
G.7 (Brit.POL)	x	M20 x 1.5 nut	x	750 mm	GB propane	71 887 07	
G.8 (EU-Shell)	x	M20 x 1.5 nut	x	450 mm	GB butane	71 884 08	
G.8 (EU-Shell)	x	M20 x 1.5 nut	x	750 mm	GB butane	71 887 08	
G.1 (Ital.A)	x	M20 x 1.5 nut	x	450 mm	IT / GR / CY	71 884 01	
G.1 (Ital.A)	x	M20 x 1.5 nut	x	750 mm	IT / GR / CY	71 887 01	
G.10 (POL-WS)	x	M20 x 1.5 nut	x	450 mm	SE	71 884 10	
G.10 (POL-WS)	x	M20 x 1.5 nut	x	750 mm	SE	71 887 10	
G.2 (Shell-F)	x	M20 x 1.5 nut	x	450 mm	CH / BE	71 884 03	
G.2 (Shell-F)	x	M20 x 1.5 nut	x	750 mm	CH / BE	71 887 03	
X.3 (Komb.Shell-H)	x	M20 x 1.5 nut	x	450 mm	NL / RU	71 884 23	
X.3 (Komb.Shell-H)	x	M20 x 1.5 nut	x	750 mm	NL / RU	71 887 23	
X.7 (Shell)	x	M20 x 1.5 nut	x	450 mm	SI / CZ / HR / SK / RS	71 884 27	
X.7 (Shell)	x	M20 x 1.5 nut	x	750 mm	SI / CZ / HR / SK / RS	71 887 27	

Caramatic ConnectDrive PS 20 bar

hose dimensions 6.6 x 4.0 mm

connections: cylinder connection x regulator connection

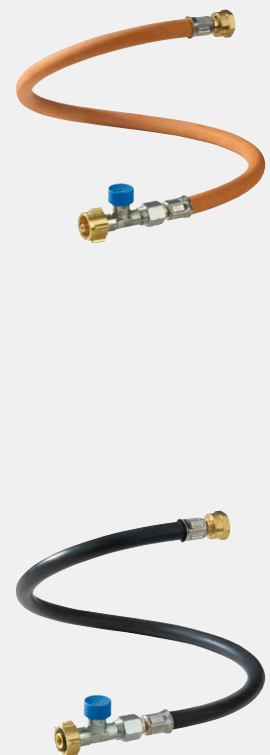
G.2 (Shell-F)	x	M20 x 1.5 nut	x	450 mm	FR	71 884 02	
G.2 (Shell-F)	x	M20 x 1.5 nut	x	750 mm	FR	71 887 02	

Spare parts

Gasket for EU-Shell / Shell-F, material: NBR	20 009 81	
Gasket for Ital.A, material: NBR	20 011 05	
Gasket for M20 x 1.5 nut, material: FKM	04 590 25	
Gasket for POL-WF / POL-WS, material: NBR	02 513 37	
Gasket for KLF, material: NBR / cont. 5 units	80 016 00	
Gasket for EU-Shell / Shell-F, material: NBR / cont. 5 units	80 009 00	



-30 °C





Caramatic ConnectClean 2.0 type FA 99

gas filter prevents contamination in the LPG installation

Protects the pressure regulator and the automatic changeover valve against contamination from oily aerosols and evaporation residues.

Advantages and equipment

- shortened filter cup – useful for space limited installations
- for all wall-mounted pressure regulators and automatic changeover valves
- high degree of separation of 99 %
- with filter cartridge 2.0. Only the filter element has to be replaced. The supporting core can still be used.

Technical data

- maximum admissible pressure: PS 25 bar

Caramatic ConnectClean 2.0 type FA 99

cont. 1 unit

M20 x 1.5 M x M20 x 1.5 nut

71 781 03

cont. 2 units

M20 x 1.5 M x M20 x 1.5 nut

71 781 04

Spare part

Filter cartridge 2.0, consisting of 1 x filter element and 1 x supporting core

71 781 60

Filter cartridge 2.0, consisting of 2 x filter element and 2 x supporting core

71 781 70

Filter element 2.0 without supporting core / cont. 2 units

71 781 90

Accessories

90° elbow M20 x 1.5 M x M20 x 1.5 nut

71 509 00

Additional fixing bracket for Caramatic ConnectClean 2.0

71 781 81



90° elbow

to connect high pressure hose assemblies to a low pressure regulator or to combine pressure regulators with automatic changeover valves

90° elbow

male thread x coupling nut

M20 x 1.5 M x M20 x 1.5 nut

71 509 00



Locking screw

as a secure cover to protect against damage or contamination of the inlet connector of pressure regulators or high pressure hose assemblies

useful if the connection between the gas cylinders and fittings is disconnected or the gas system is at a standstill for a long period of time

Advantages and equipment

- with fastening clip

Technical data

- material: plastic
- male thread: W21.8 x 1/14 lh

Note

- The locking screw must not be used on regulators with a gas non-return valve, such as Caramatic BasicTwo!
- The pressure regulator is not included in the scope of delivery!

Locking screw

for KLF, GF, Kombi and Shell coupling nuts

60 300 92





Caramatic TwoControl – Regulator heating

convenient information and control unit of the de-icer regulator heating in the leisure vehicle consisting of: information and control unit including connection cable 6 m, cover frame and de-icer regulator heating including connection cable 2 m

Advantages and equipment

- central control unit to switch on/off the Eis-Ex regulator heating
- remote indication of the operating status of the regulator heating
- can be easily installed in new systems or retrofitted in existing systems
- can be used with the models of the Caramatic line DriveOne, BasicOne with test point as well as the Truma model MonoControl CS in silver colour
- connection of all components by using a plug system, no soldering necessary

Conformity

- Conformity assessment procedure according to ATEX
- CE marking according to EMC
- Type approval according to UNECE R 10

Technical data

- supply voltage: 12 V

Caramatic TwoControl – Regulator heating

Information and control unit with Eis-Ex regulator heating

71 300 20

Spare parts

Information and control unit with connection cable

71 391 20

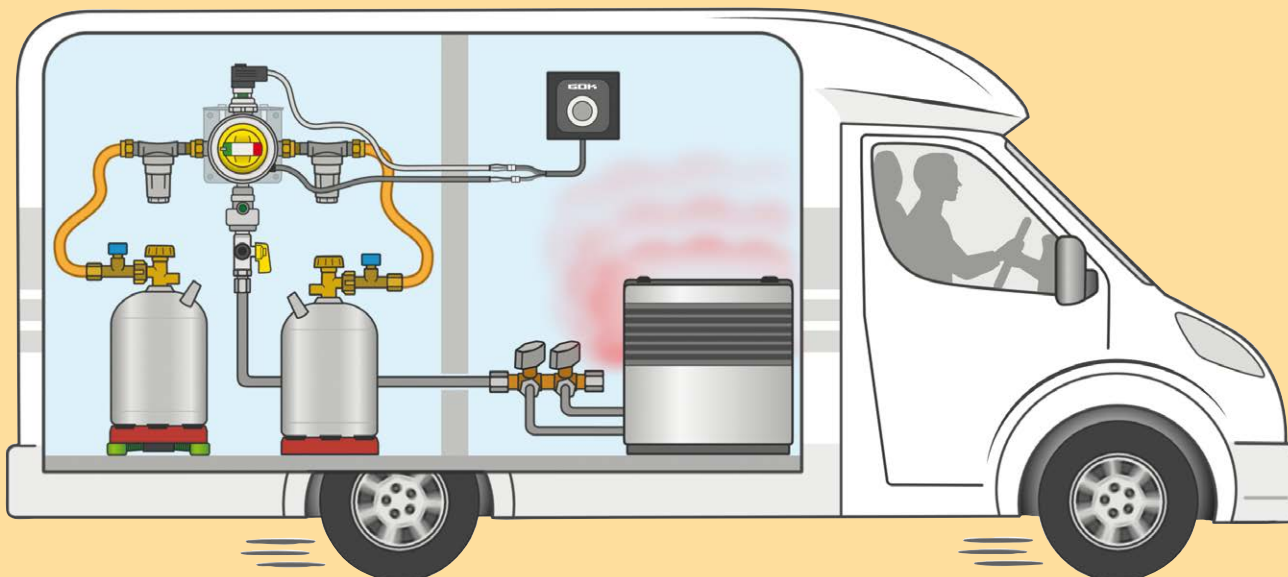
Cover frame, colour: anthracite

71 391 00

Eis-Ex regulator heating with connection cable

71 390 20





Motorhome and caravan – Gas supply while driving

If, for example, the on-board gas heating is also to be used to heat the vehicle during the journey, special safety devices must be installed to prevent gas leakage in the event of a traffic accident.

The combination of an excess flow device for the high pressure hose assembly and a mechanical crash sensor for the piping monitors the LPG installation continuously.



In contrast to the previous version, the crash sensor with pendulum solution from GOK offers the following advantages:

- faster and easier start-up and reset after response
- more precise performance and therefore less interference from incorrect response behaviour
- start-up possible with no problem, even if the leisure vehicle is in an inclined position

The system is particularly convenient to monitor with the Caramatic TwoControl. With this information and control unit the camper always has an eye on which gas cylinder gas is currently in use, and can operate the Eis-Ex regulator heating remotely.

The connection to the gas cylinder is made with the suitable country-specific excess flow device and a high pressure hose assembly without the low pressure regulator having to be replaced.

Between the hose assembly and the low pressure regulator is a gas filter, which protects the connected fittings and devices from soiling.



Caramatic DriveTwo Set

safety gas pressure regulation device with automatic changeover valve for the operation of two-cylinder systems in motorhomes and caravans while driving, for connection to gas cylinders with high pressure hose assemblies to regulate the pressure to the nominal pressure of the gas equipment

consisting of: 2 x Caramatic ConnectDrive (length: 450 mm), 2 x Caramatic ConnectClean 2.0 with fixing bracket, automatic changeover valve, low pressure regulator with pressure relief valve PRV, mechanical crash sensor with pendulum, control knob, operation and reserve display, non-return gas valve, test point and wall bracket

Advantages and equipment

- includes all components for start-up a two-cylinder system suitable for gas supply while driving
- gas supply while driving using the integrated mechanical crash sensor with pendulum, which blocks the gas flow in case of an accident
- Advantages crash sensor with pendulum:
 - faster and easier start-up and reset after response
 - more precise performance and therefore less interference from incorrect response behaviour
 - start-up possible with no problem, even if the leisure vehicle is in an inclined position
- automatic changeover to the gas cylinder on the reserve side as soon as the gas cylinder on the operating side is empty
- the cylinder can be replaced without operational interruption
- gas non-return valve: prevents the escape of gas when the cylinder is replaced
- even gas supply through the optimum use of the gas cylinder content
- displays which gas cylinder gas is being taken from
- test point for leak testing the LPG system without disassembling the pressure regulating device
- suitable for connection of an Eis-Ex, e.g. Caramatic TwoControl
- suitable for connection of a remote display, e.g. Caramatic TwoControl
- by default, the version with compression fitting 10 / 8 at the outlet is fitted with an adapter to connect 8 mm piping

Conformity

- single fittings with DIN-DVGW and/or DVGW [German Association of Gas and Water] type test certificate or EU type examination certificate PED
- single fittings with DIN-DVGW and/or DVGW [German Association of Gas and Water] type test certificate or EU type examination certificate GGV

Technical data

- maximum admissible pressure: PS 16 bar

Caramatic DriveTwo Set

horizontal installation

2 x KLF	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	71 123 23	
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vertical installation

2 x KLF	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	71 123 13	
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Spare part

Caramatic ConnectDrive G.12 (KLF) x M20 x 1.5 nut x 450 mm	71 884 12	
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Filter cartridge 2.0, consisting of 2 x filter element and 2 x supporting core	71 781 70	
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Filter element 2.0 without supporting core / cont. 2 units	71 781 90	
--	-----------	--

Additional fixing bracket for Caramatic ConnectClean 2.0	71 781 81	
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Fitting for pipe socket 10 x compr. fit. 8	67 223 00	
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Sealing nut with fastening clip M20 x 1.5 nut	71 509 30	
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Accessories

90° elbow M20 x 1.5 M x M20 x 1.5 nut	71 509 00	
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Connection set M20 x 1.5 M x compr. fit. 10 / M20 x 1.5 F x compr. fit. 10	71 509 20	
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Caramatic TwoControl with transmitter for remote display and Eis-Ex regulator heating	71 300 00	
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Caramatic TwoControl with Eis-Ex regulator heating	71 300 20	
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Eis-Ex regulator heating with connection cable	71 390 20	
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Caramatic DriveTwo

safety gas pressure regulation device with automatic changeover valve for the operation of two-cylinder systems in motorhomes and caravans while driving, for connection to gas cylinders with high pressure hose assemblies to regulate the pressure to the nominal pressure of the gas equipment

consisting of: automatic changeover valve, low pressure regulator with pressure relief valve PRV, mechanical crash sensor with pendulum, control knob, operation and reserve display, non-return gas valve, test point and wall bracket

Advantages and equipment

- gas supply while driving using the integrated mechanical crash sensor with pendulum, which blocks the gas flow in case of an accident
- Advantages crash sensor with pendulum:
 - faster and easier start-up and reset after response
 - more precise performance and therefore less interference from incorrect response behaviour
 - start-up possible with no problem, even if the leisure vehicle is in an inclined position
- automatic changeover to the gas cylinder on the reserve side as soon as the gas cylinder on the operating side is empty
- the cylinder can be replaced without operational interruption
- gas non-return valve: prevents the escape of gas when the cylinder is replaced
- even gas supply through the optimum use of the gas cylinder content
- displays which gas cylinder gas is being taken from
- can be used all over Europe through the use of country-specific high pressure hose assemblies – Caramatic ConnectDrive (not included in delivery)
- test point for leak testing the LPG system without disassembling the pressure regulating device
- suitable for connection of an Eis-Ex, e.g. Caramatic TwoControl
- suitable for connection of a remote display, e.g. Caramatic TwoControl
- by default, the version with compression fitting 10 / 8 at the outlet is fitted with an adapter to connect 8 mm piping

Conformity

- EC type examination certificate PED
- EC type examination certificate GAR
- UKCA type examination certificate GAR

Technical data

- maximum admissible pressure: PS 16 bar

Note

- The gas filter Caramatic ConnectClean 2.0 (part no. 71 781 04 / cont. 2 units) is recommended to protect the LPG system in the vehicle from oily aerosols and evaporation residue!

Caramatic DriveTwo

horizontal installation

2 x M20 x 1.5 M	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	71 823 23	
2 x M20 x 1.5 M	x	compr. fit. 8	50 mbar	1.5 kg/h	71 825 21	

vertical installation

2 x M20 x 1.5 M	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	71 823 13	
2 x M20 x 1.5 M	x	compr. fit. 8	50 mbar	1.5 kg/h	71 825 11	

Spare part

Sealing nut with fastening clip M20 x 1.5 nut	71 509 30	
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Accessories

Caramatic ConnectClean 2.0 M20 x 1.5 M x M20 x 1.5 nut / cont. 2 pieces	71 781 04	
90° elbow M20 x 1.5 M x M20 x 1.5 nut	71 509 00	
Connection set M20 x 1.5 M x compr. fit. 10 / M20 x 1.5 F x compr. fit. 10	71 509 20	
Fitting for pipe socket 8 x compr. fit. 10	62 082 00	
Fitting for pipe socket 10 x compr. fit. 8	67 223 00	
Caramatic TwoControl with transmitter for remote display and Eis-Ex regulator heating	71 300 00	



horizontal



vertical



Caramatic ConnectDrive

high pressure hose assembly with excess flow device for connection to all wall-mounted low pressure regulators with inlet M20 x 1.5 M, in particular for gas supply while driving and to the gas cylinder valve



Advantages and equipment

- can be used all over Europe through the use of high pressure hose assemblies with country-specific connections
- excess flow device prevents gas escape in case of damage or if the hose assembly becomes detached, and blocks the gas flow, as soon as the nominal flow rate is exceeded by 10 %
- **manual excess flow valve SBS/MA:**
no delay or leakage volume, but manual opening required

Conformity

- single fittings with DIN-DVGW and/or DVGW [German Association of Gas and Water] type test certificate

Technical data

- hose: **rubber with textile lining**
- cold resistant up to -30 °C

Note

- The 750 mm long hose assembly may only be used for cylinder brackets with a pull-out device.

Caramatic ConnectDrive PS 30 bar

hose dimensions 6.3 x 5.0 mm

connections: cylinder connection x regulator connection

G.12 (KLF)	x	M20 x 1.5 nut	x	450 mm	DE / AT / PL	71 884 12	
G.12 (KLF)	x	M20 x 1.5 nut	x	750 mm	DE / AT / PL	71 887 12	
G.7 (Brit.POL)	x	M20 x 1.5 nut	x	450 mm	GB propane	71 884 07	
G.7 (Brit.POL)	x	M20 x 1.5 nut	x	750 mm	GB propane	71 887 07	
G.8 (EU-Shell)	x	M20 x 1.5 nut	x	450 mm	GB butane	71 884 08	
G.8 (EU-Shell)	x	M20 x 1.5 nut	x	750 mm	GB butane	71 887 08	
G.1 (Ital.A)	x	M20 x 1.5 nut	x	450 mm	IT / GR / CY	71 884 01	
G.1 (Ital.A)	x	M20 x 1.5 nut	x	750 mm	IT / GR / CY	71 887 01	
G.10 (POL-WS)	x	M20 x 1.5 nut	x	450 mm	SE	71 884 10	
G.10 (POL-WS)	x	M20 x 1.5 nut	x	750 mm	SE	71 887 10	
G.2 (Shell-F)	x	M20 x 1.5 nut	x	450 mm	CH / BE	71 884 03	
G.2 (Shell-F)	x	M20 x 1.5 nut	x	750 mm	CH / BE	71 887 03	
X.3 (Komb.Shell-H)	x	M20 x 1.5 nut	x	450 mm	NL / RU	71 884 23	
X.3 (Komb.Shell-H)	x	M20 x 1.5 nut	x	750 mm	NL / RU	71 887 23	
X.7 (Shell)	x	M20 x 1.5 nut	x	450 mm	SI / CZ / HR / SK / RS	71 884 27	
X.7 (Shell)	x	M20 x 1.5 nut	x	750 mm	SI / CZ / HR / SK / RS	71 887 27	



Caramatic ConnectDrive PS 20 bar

hose dimensions 6.6 x 4.0 mm

connections: cylinder connection x regulator connection

G.2 (Shell-F)	x	M20 x 1.5 nut	x	450 mm	FR	71 884 02	
G.2 (Shell-F)	x	M20 x 1.5 nut	x	750 mm	FR	71 887 02	



Spare parts

Gasket for EU-Shell / Shell-F, material: NBR	20 009 81	
Gasket for Ital.A, material: NBR	20 011 05	
Gasket for M20 x 1.5 nut, material: FKM	04 590 25	
Gasket for POL-WF / POL-WS, material: NBR	02 513 37	
Gasket for KLF, material: NBR / cont. 5 units	80 016 00	
Gasket for EU-Shell / Shell-F, material: NBR / cont. 5 units	80 009 00	



Caramatic ConnectClean 2.0 type FA 99

gas filter prevents contamination in the LPG installation

Protects the pressure regulator and the automatic changeover valve against contamination from oily aerosols and evaporation residues.

Advantages and equipment

- shortened filter cup – useful for space limited installations
- for all wall-mounted pressure regulators and automatic changeover valves
- high degree of separation of 99 %
- with filter cartridge 2.0. Only the filter element has to be replaced. The supporting core can still be used.


Technical data

- maximum admissible pressure: PS 25 bar

Caramatic ConnectClean 2.0 type FA 99

cont. 1 unit

M20 x 1.5 M x M20 x 1.5 nut

71 781 03 

cont. 2 units

M20 x 1.5 M x M20 x 1.5 nut


71 781 04 

Spare part

Filter cartridge 2.0, consisting of 1 x filter element and 1 x supporting core

71 781 60 

Filter cartridge 2.0, consisting of 2 x filter element and 2 x supporting core


71 781 70 

Filter element 2.0 without supporting core / cont. 2 units


71 781 90 

Accessories

90° elbow M20 x 1.5 M x M20 x 1.5 nut

71 509 00 

Additional fixing bracket for Caramatic ConnectClean 2.0

71 781 81 




90° elbow

to connect high pressure hose assemblies to a low pressure regulator or to combine pressure regulators with automatic changeover valves

90° elbow

male thread x coupling nut

M20 x 1.5 M x M20 x 1.5 nut

71 509 00 



Locking screw

as a secure cover to protect against damage or contamination of the inlet connector of pressure regulators or high pressure hose assemblies

useful if the connection between the gas cylinders and fittings is disconnected or the gas system is at a standstill for a long period of time

Advantages and equipment

- with fastening clip

Technical data

- material: plastic
- male thread: W21.8 x 1/14 lh

Note

- The locking screw must not be used on regulators with a gas non-return valve, such as Caramatic BasicTwo!
- The pressure regulator is not included in the scope of delivery!

Locking screw

for KLF, GF, Kombi and Shell coupling nuts

60 300 92 





Caramatic TwoControl – Remote display and regulator heating

convenient information and control unit in the leisure vehicle to monitor the operating and reserve cylinder in two-cylinder systems as well as the de-icer regulator heating

consisting of: information and control unit including connection cable, cover frame, transmitter for remote display including connection cable and de-icer regulator heating including connection cable

Advantages and equipment

- central control unit to switch on/off the remote display and the Eis-Ex regulator heating
- remote indication of the operating status of the regulator heating
- remote indication of the operating status (normal or reserve operation) of the gas cylinders
- can be easily installed in new systems or retrofitted in existing systems
- can be used with the models of the Caramatic line DriveTwo, ProTwo, SwitchTwo as well as the Truma models DuoControl CS and DuoComfort in silver colour
- connection of all components by using a plug system, no soldering necessary

Conformity


- Conformity assessment procedure according to ATEX
- CE marking according to EMC
- Type approval according to UNECE R 10

Technical data

- supply voltage: 12 V


Caramatic TwoControl – Remote display and regulator heating

Information and control unit with transmitter for remote display and Eis-Ex regulator heating

71 300 00 

Spare parts


Information and control unit with connection cable

71 391 20 


Cover frame, colour: anthracite

71 391 00 

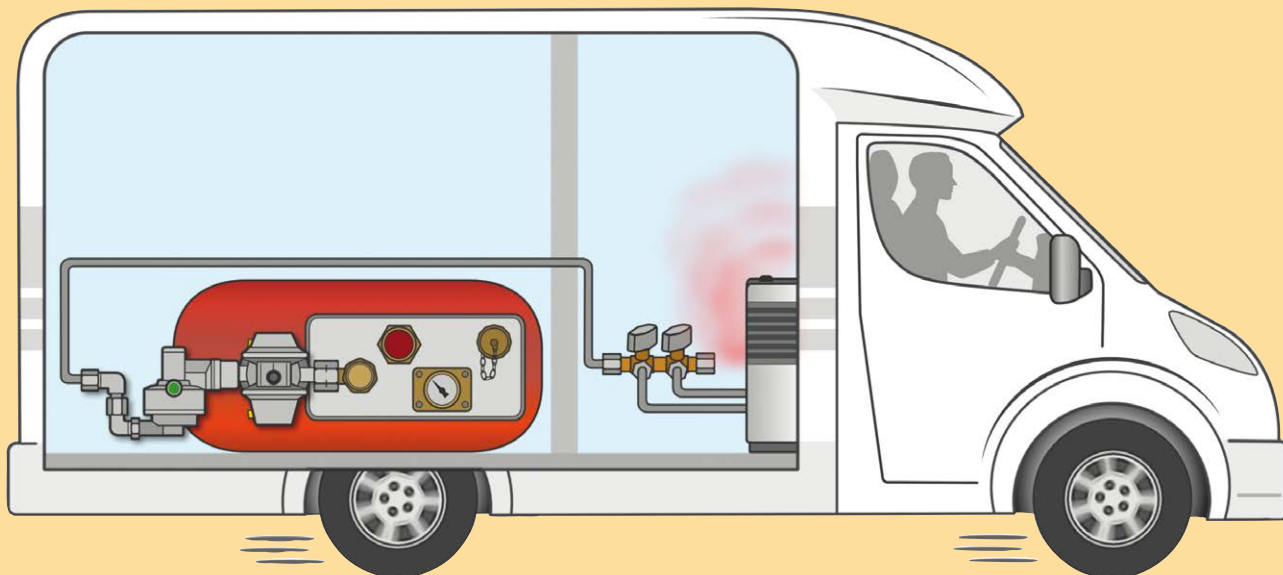
Transmitter for remote display with connection cable

71 390 00 

Eis-Ex regulator heating with connection cable

71 390 20 





Safety for gas supply while driving – with a gas tank

If, for example, the on-board gas heating is also to be used to heat the vehicle also during the journey, special safety devices must be installed to prevent gas leakage in the event of an accident. This applies as well for vehicles which are fitted with a gas tank

For the safe operation of these vehicles, the combination of a low pressure regulator and mechanical crash sensor is connected directly onto the gas tank.



In contrast to the previous version, the crash sensor with pendulum solution from GOK offers the following advantages:

- faster and easier start-up and reset after response
- more precise performance and therefore less interference from incorrect response behaviour
- start-up possible with no problem, even if the leisure vehicle is in an inclined position



Caramatic DriveOne

safety gas pressure regulation device for operating single-cylinder systems in motorhomes and caravans while driving

consisting of: low pressure regulator with over-pressure safety device S2SR, mechanical crash sensor with pendulum and test point

Advantages and equipment

- gas supply while driving using the integrated mechanical crash sensor with pendulum, which blocks the gas flow in case of an accident
- Advantages crash sensor with pendulum:
 - faster and easier start-up and reset after response
 - more precise performance and therefore less interference from incorrect response behaviour
 - start-up possible with no problem, even if the leisure vehicle is in an inclined position
- can be used all over Europe through the use of country-specific high pressure hose assemblies – Caramatic ConnectDrive (not included in delivery)
- test point for leak testing the LPG system without disassembling the pressure regulating device
- suitable for connection of an Eis-Ex, e.g. Caramatic TwoControl

Conformity

- EC type examination certificate PED
- EC type examination certificate GAR
- UKCA type examination certificate GAR

Technical data

- maximum admissible pressure: PS 16 bar

Note

- Fulfills the requirements of DGUV Regulation 110-010 (German statutory accident insurance, previously DGUV Regulation 79) and is suitable for use in commercially used motorhomes and caravans.

Caramatic Drive One without wall bracket

horizontal installation

straight inlet

for LPG tank with 90° tank panel

Komb.A x compr. fit. 10 30 mbar 1.5 kg/h

71 813 34

for LPG tank with 105° tank panel

Komb.A x compr. fit. 10 30 mbar 1.5 kg/h

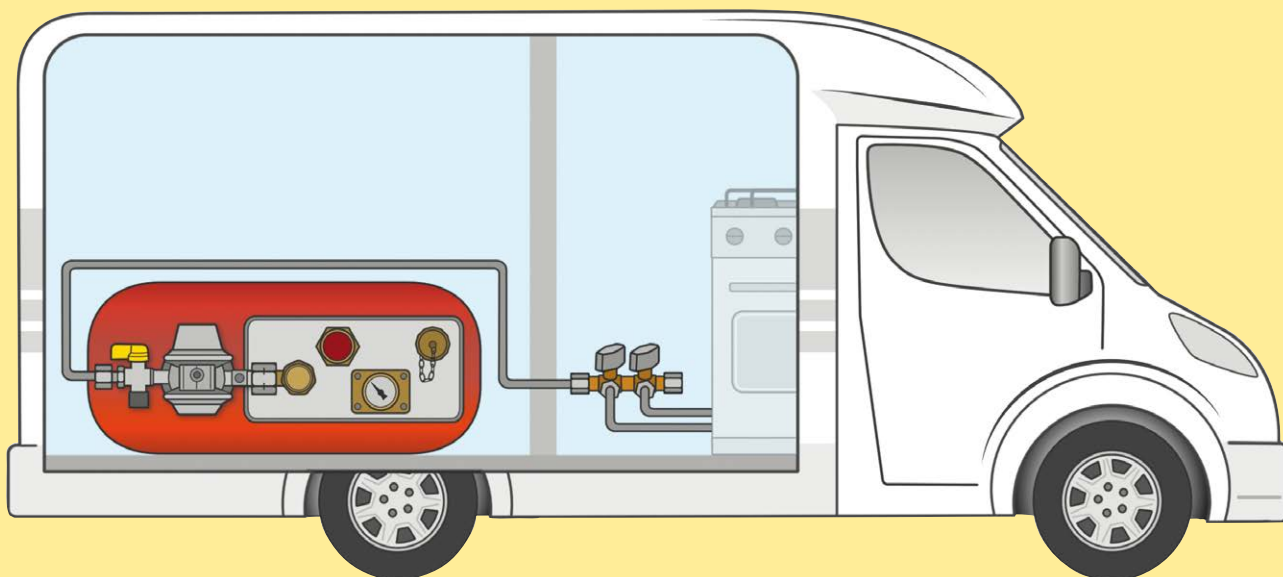
71 813 35

Accessories

Caramatic TwoControl with Eis-Ex regulator heating

71 300 20





The classic connection for the LPG tank

A low pressure regulator with an over-pressure safety device S2SR, integrated test point and ball valve is used to supply the LPG installation with LPG tank.



Low pressure regulator type EN61-DS

for connection to LPG tanks firmly installed on the vehicle to regulate the pressure to the nominal pressure of the gas equipment

Advantages and equipment

- overpressure safety valve S2SR to protect consumer equipment against inadmissible high pressures
- test point for leak testing the LPG system without disassembling the pressure regulating device
- version with combined fitting for optional connection to 5, 11 or 33 kg gas cylinders

Conformity

- EC type examination certificate PED (EN 16129, annex D)
- EC type examination certificate GGV [ordinance on building land registries] (EN 16129, annex D)
- UKCA type examination certificate GGV [ordinance on building land registries] (EN 16129, annex D)

Technical data

- maximum admissible pressure: PS 16 bar

Low pressure regulator type EN61-DS with coupling nut type M and olive type D-MS

Komb.A	x	compr. fit. 8	30 mbar	1.5 kg/h
compr. fit. 8	x	compr. fit. 8	30 mbar	1.5 kg/h

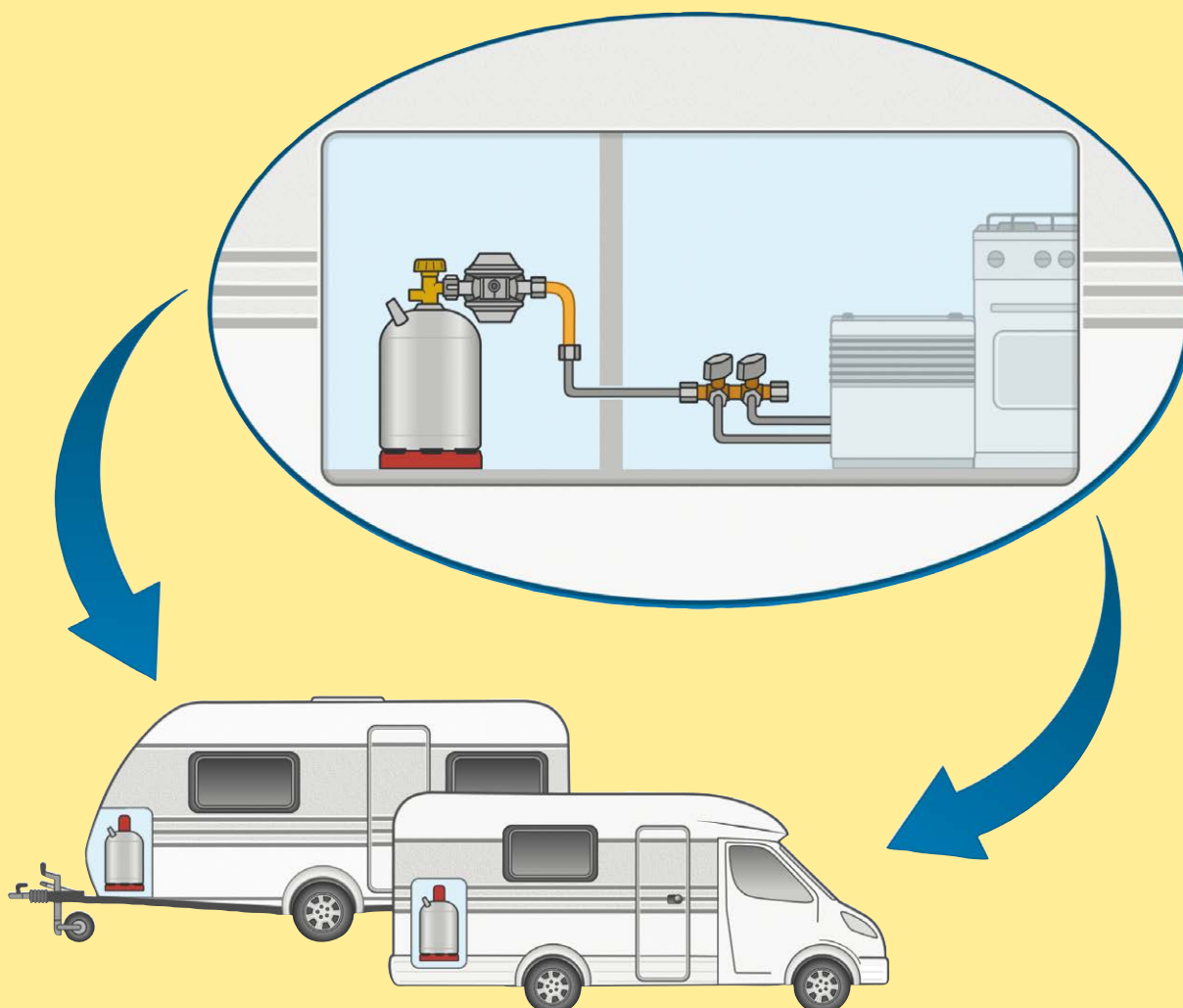
61 293 06	
61 293 05	

Accessories

Fitting GF F x compr. fit. 8
Fitting 1/2 UNF F x GF M
Fitting 1/2 UNF F x compr. fit. 8
Fitting 1/2 UNF F x pipe socket 8

62 531 00	
62 528 00	
62 527 00	
62 523 00	





Classic connection to gas cylinders

The tried and tested connection solution for motorhomes and caravans is the classic method of connecting a gas cylinder to the supply line of the vehicle.

The low pressure regulator is installed directly to the gas cylinder. The connection to the supply line of the vehicle is made with a medium pressure hose assembly.



Caramatic BasicOne

for connection to gas cylinders to regulate the pressure to the nominal pressure of the gas equipment consisting of: low pressure regulator with integrated safety device against overpressure

Advantages and equipment

- version with pressure gauge for leak testing e.g. when the cylinder is replaced
- version with extended inlet connector, 90° outlet suitable for VW camper vans with Westfalia fit-out

Conformity

- EC type examination certificate PED (EN 16129, annex D)
- EC type examination certificate GGV [ordinance on building land registries] (EN 16129, annex D)
- UKCA type examination certificate GGV [ordinance on building land registries] (EN 16129, annex D)

Technical data

- maximum admissible pressure: PS 16 bar

Note

- The nominal flows of all the devices must be added together to choose the right capacity stage.
- Version type EN61-DS fulfils the requirements of DGUV Regulation 110-010 (German statutory accident insurance, previously DGUV Regulation 79) and is suitable for use in commercially used motorhomes and caravans!

Caramatic BasicOne

capacity stage 1, Type EN61 with PRV pressure relief valve

straight outlet

KLF	x	G 1/4 lh M	30 mbar	0.8 kg/h	with pressure gauge	61 280 27	
KLF	x	G 1/4 lh M	30 mbar	0.8 kg/h		61 280 00	
Shell-F	x	G 1/4 lh M	30 mbar	0.8 kg/h	with pressure gauge	61 281 00	
Shell-F	x	G 1/4 lh M	30 mbar	0.8 kg/h		61 281 01	

90° outlet

KLF	x	G 1/4 lh M	30 mbar	0.8 kg/h	with pressure gauge	61 280 30	
KLF	x	G 1/4 lh M	30 mbar	0.8 kg/h		61 280 15	
Shell-F	x	G 1/4 lh M	30 mbar	0.8 kg/h	with pressure gauge	61 280 33	
Shell-F	x	G 1/4 lh M	30 mbar	0.8 kg/h		61 280 32	

with extended inlet connector

90° outlet

KLF	x	G 1/4 lh M	30 mbar	0.8 kg/h		61 280 14	
Shell-F	x	G 1/4 lh M	30 mbar	0.8 kg/h		61 280 34	

U-form

KLF	x	G 1/4 lh M	30 mbar	0.8 kg/h		61 280 05	
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capacity stage 2, Type EN71 with safety pressure relief valve PRV

straight outlet

KLF	x	G 1/4 lh M	30 mbar	1.2 kg/h	with pressure gauge	61 285 02	
KLF	x	G 1/4 lh M	30 mbar	1.2 kg/h		61 285 00	
Shell-F	x	G 1/4 lh M	30 mbar	1.2 kg/h	with pressure gauge	61 286 02	
Shell-F	x	G 1/4 lh M	30 mbar	1.2 kg/h		61 286 00	

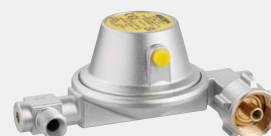
capacity stage 3, Type EN61-DS with overpressure safety device S2SR

straight outlet

KLF	x	G 1/4 lh M	30 mbar	1.5 kg/h	with pressure gauge	61 290 03	
KLF	x	G 1/4 lh M	30 mbar	1.5 kg/h		61 290 05	
Shell-F	x	G 1/4 lh M	30 mbar	1.5 kg/h	with pressure gauge	61 293 04	
Shell-F	x	G 1/4 lh M	30 mbar	1.5 kg/h		61 293 03	

90° outlet

KLF	x	G 1/4 lh M	30 mbar	1.5 kg/h		61 290 11	
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Medium pressure hose assembly rubber

to connect fittings, consumer equipment and piping

Conformity

- DVGW [German Association of Gas and Water] type test certificate

Technical data

- maximum admissible pressure: PS 10 bar
- hose: **rubber with textile lining**
- cold-resistant up to -30 °C

Note

- Our hose assemblies are supplied with a tag and notice of the year of replacement.

Medium pressure hose assembly rubber

hose dimensions 6.3 x 3.5 mm

connections: coupling nut x compression fitting


with coupling nut type M and olive type D


G 1/4 lh nut x compr. fit. 8 x 400 mm


G 1/4 lh nut x compr. fit. 8 x 750 mm

G 1/4 lh nut x compr. fit. 10 x 400 mm

G 1/4 lh nut x compr. fit. 10 x 750 mm

64 402 00 

64 405 01 

64 409 00 

64 409 02 

Other versions, connections or dimensions on request.



-30 °C



Medium pressure hose assembly plastic

to connect fittings, consumer equipment and piping

Conformity

- DVGW [German Association of Gas and Water] type test certificate

Technical data

- maximum admissible pressure: PS 10 bar
- hose: **plastic with textile lining**

Note

- Our hose assemblies are supplied with a tag and notice of the year of replacement.

Medium pressure hose assembly plastic


hose dimensions 6.3 x 3.5 mm


connections: coupling nut x compression fitting

with coupling nut type M and olive type D

G 1/4 lh nut x compr. fit. 8 x 400 mm

G 1/4 lh nut x compr. fit. 10 x 400 mm

64 402 02 

64 409 09 

Other versions, connections or dimensions on request.





Locking screw

as a secure cover to protect against damage or contamination of the inlet connector of pressure regulators or high pressure hose assemblies

useful if the connection between the gas cylinders and fittings is disconnected or the gas system is at a standstill for a long period of time

Advantages and equipment

- with fastening clip

Technical data


- material: plastic
- male thread: W21.8 x 1/14 lh

Note

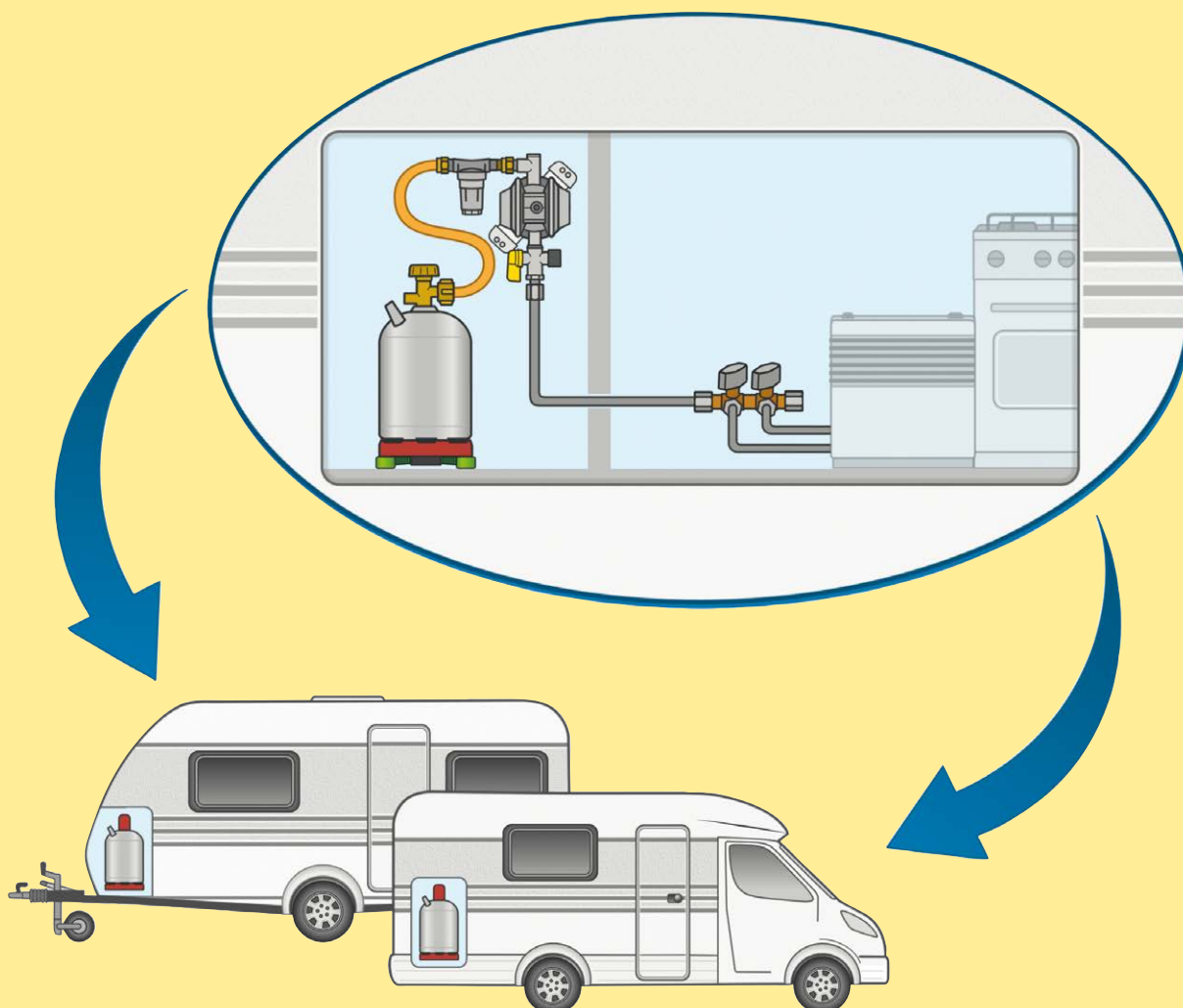
- The locking screw must not be used on regulators with a gas non-return valve, such as Caramatic BasicTwo!
- The pressure regulator is not included in the scope of delivery!

Locking screw

for KLF, GF, Kombi and Shell coupling nuts

60 300 92 





Travel made easy

One Europe – many cylinder connections. To plan your trip in a more flexible way, we recommend a low pressure regulator with a wall bracket.

The connection to the gas cylinder is made with the suitable country-specific high pressure hose assembly without the low pressure regulator having to be replaced.



Caramatic BasicOne

pressure to the nominal pressure of the gas equipment

consisting of: low pressure regulator with integrated safety device against overpressure and wall bracket

Advantages and equipment

- compression fitting with coupling nut type M and olive type D-MS
- version with test point for leak testing the LPG system without disassembling the pressure regulating device
- version with test point suitable for connection of an Eis-Ex, e.g. Caramatic TwoControl
- version with pressure gauge for leak testing e.g. when the cylinder is replaced

Conformity

- EC type examination certificate PED (EN 16129, annex D)
- EC type examination certificate GGV [ordinance on building land registries] (EN 16129, annex D)
- UKCA type examination certificate GGV [ordinance on building land registries] (EN 16129, annex D)

Technical data

- maximum admissible pressure: PS 16 bar

Note

- The nominal flows of all the devices must be added together to choose the right capacity stage.
- The gas filter Caramatic ConnectClean 2.0 (part no. 71 781 03) is recommended to protect the LPG system in the vehicle from oily aerosols and evaporation residue!
- Version type EN61-DS fulfils the requirements of DGUV Regulation 110-010 (German statutory accident insurance, previously DGUV Regulation 79) and is suitable for use in commercially used motorhomes and caravans!

Caramatic BasicOne with test point

capacity stage 3,

type EN61-DS with over-pressure safety device S2SR

90° inlet

without pressure gauge

M20 x 1.5 M	x	compr. fit. 8	30 mbar	1.5 kg/h	61 294 02	
M20 x 1.5 M	x	compr. fit. 10	30 mbar	1.5 kg/h	61 294 03	

Caramatic BasicOne without test point

capacity stage 2,

type EN71 with safety pressure relief valve PRV

straight inlet

M20 x 1.5 M	x	compr. fit. 8	30 mbar	1.2 kg/h	61 287 05	
M20 x 1.5 M	x	compr. fit. 10	30 mbar	1.2 kg/h	61 287 06	

capacity stage 3,

type EN61-DS with overpressure safety device S2SR

with pressure gauge

M20 x 1.5 M	x	compr. fit. 10	30 mbar	1.5 kg/h	61 291 03	
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without pressure gauge

M20 x 1.5 M	x	compr. fit. 8	30 mbar	1.5 kg/h	61 291 01	
M20 x 1.5 M	x	compr. fit. 10	30 mbar	1.5 kg/h	61 291 02	

Accessories

Gasket for M20 x 1.5 nut, material: FKM

Caramatic ConnectClean 2.0 M20 x 1.5 M x M20 x 1.5 nut / cont. 1 unit

90° elbow M20 x 1.5 M x M20 x 1.5 nut

04 590 25

71 781 03

71 509 00





Caramatic ConnectBasic

to connect the gas cylinder and regulator

Advantages and equipment

- can be used all over Europe through the use of high pressure hose assemblies with country-specific connections

Conformity

- version PS 30 bar: DVGW [German Association of Gas and Water] type test certificate
- version PS 20 bar: NF approved

Technical data

- hose: **rubber with textile lining**
- cold resistant up to -30 °C

Note

- Our hose assemblies are supplied with a tag and notice of the year of replacement.
- The 750 mm long hose assembly may only be used for cylinder brackets with a pull-out device.

Caramatic ConnectBasic PS 30 bar

hose dimensions 6.3 x 5.0 mm

connections: cylinder connection x regulator connection

G.12 (KLF)	x	M20 x 1.5 nut	x	450 mm	DE / AT / PL	71 684 12	
G.12 (KLF)	x	M20 x 1.5 nut	x	750 mm	DE / AT / PL	71 687 12	
G.7 (Brit.POL)	x	M20 x 1.5 nut	x	450 mm	GB propane	71 684 07	
G.7 (Brit.POL)	x	M20 x 1.5 nut	x	750 mm	GB propane	71 687 07	
G.8 (EU-Shell)	x	M20 x 1.5 nut	x	450 mm	GB butane	71 684 08	
G.8 (EU-Shell)	x	M20 x 1.5 nut	x	750 mm	GB butane	71 687 08	
G.1 (Ital.A)	x	M20 x 1.5 nut	x	450 mm	IT / GR / CY	71 684 01	
G.1 (Ital.A)	x	M20 x 1.5 nut	x	750 mm	IT / GR / CY	71 687 01	
G.10 (POL-WS)	x	M20 x 1.5 nut	x	450 mm	SE	71 684 10	
G.10 (POL-WS)	x	M20 x 1.5 nut	x	750 mm	SE	71 687 10	
G.2 (Shell-F)	x	M20 x 1.5 nut	x	450 mm	CH / BE	71 684 03	
G.2 (Shell-F)	x	M20 x 1.5 nut	x	750 mm	CH / BE	71 687 03	
X.3 (Komb.Shell-H)	x	M20 x 1.5 nut	x	450 mm	NL / RU	71 684 23	
X.3 (Komb.Shell-H)	x	M20 x 1.5 nut	x	750 mm	NL / RU	71 687 23	

Caramatic ConnectBasic PS 20 bar

hose dimensions 6.6 x 4.0 mm

connections: cylinder connection x regulator connection

G.2 (Shell-F)	x	M20 x 1.5 nut	x	450 mm	FR	71 684 02	
G.2 (Shell-F)	x	M20 x 1.5 nut	x	750 mm	FR	71 687 02	

Spare parts

Gasket for Komb.A / Komb.Shell-H, material: plastic	20 009 75	
Gasket for EU-Shell / Shell F, material: NBR	20 009 81	
Gasket for Ital.A, material: NBR	20 011 05	
Gasket for M20 x 1.5 nut, material: FKM	04 590 25	
Gasket for POL-WF / POL-WS, material: NBR	02 513 37	
Gasket for KLF, material: NBR / cont. 5 units	80 016 00	
Gasket for EU-Shell / Shell-F, material: NBR / cont. 5 units	80 009 00	



-30 °C





Caramatic ConnectClean 2.0 type FA 99

gas filter prevents contamination in the LPG installation

Protects the pressure regulator and the automatic changeover valve against contamination from oily aerosols and evaporation residues.

Advantages and equipment

- shortened filter cup – useful for space limited installations
- for all wall-mounted pressure regulators and automatic changeover valves
- high degree of separation of 99 %
- with filter cartridge 2.0. Only the filter element has to be replaced. The supporting core can still be used.


Technical data

- maximum admissible pressure: PS 25 bar

Caramatic ConnectClean 2.0 type FA 99


cont. 1 unit

M20 x 1.5 M x M20 x 1.5 nut

71 781 03 

cont. 2 units

M20 x 1.5 M x M20 x 1.5 nut


71 781 04 

Spare part

Filter cartridge 2.0, consisting of 1 x filter element and 1 x supporting core

71 781 60 

Filter cartridge 2.0, consisting of 2 x filter element and 2 x supporting core


71 781 70 

Filter element 2.0 without supporting core / cont. 2 units

71 781 90 

Accessories

90° elbow M20 x 1.5 M x M20 x 1.5 nut

71 509 00 

Additional fixing bracket for Caramatic ConnectClean 2.0

71 781 81 




90° elbow

to connect high pressure hose assemblies to a low pressure regulator or to combine pressure regulators with automatic changeover valves

90° elbow

male thread x coupling nut

M20 x 1.5 M x M20 x 1.5 nut

71 509 00 



Test point

for leak testing the piping of LPG systems


Advantages and equipment

- especially suitable for e.g. wall-mounted low pressure regulators according to EN 16129, annex D in leisure vehicles
- if the test point is used, the dismantling of the wall-mounted pressure regulator for the leak testing of the LPG system is not required
- leak tester (for example, part no. 02 611 10) is connected with test adapter
- the inlet to the pressure regulator is blocked via the ball valve


Test point

with coupling nut type M and olive type D-MS

pipe socket 8 x compr. fit. 8

62 618 02 

pipe socket 10 x compr. fit. 10

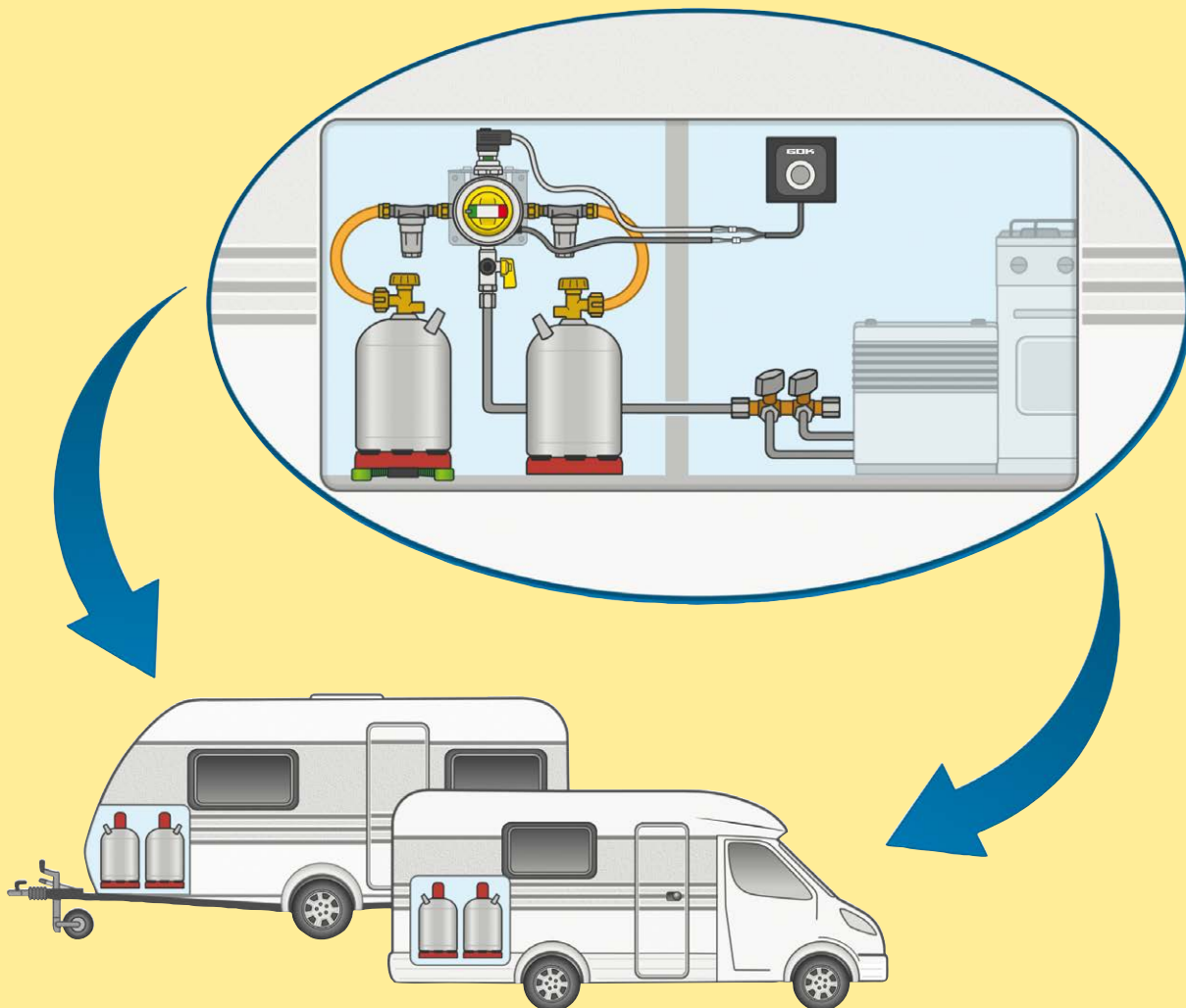
62 618 04 

Accessories

Test hose G 1/4 lh nut x adapter for test point x 750 mm

62 618 03 





Gas supply with a high level of comfort

With an automatic changeover valve, long operating times can be achieved without interruption, as the changeover between operating and reserve cylinder is automatic.

Due to the gas non-return valve, the empty gas cylinder can be swapped without interrupting the gas supply.

By using country-specific high pressure hose assemblies, it is possible to use the changeover system across Europe without a problem.



Caramatic ProTwo-Set

automatic changeover valve with integrated low pressure regulator for two-cylinder systems, for connection to gas cylinders with high pressure hose assemblies, to regulate the pressure to the nominal pressure of the gas equipment

consisting of: 2 x Caramatic ConnectBasic (length: 450 mm), 2 x Caramatic ConnectClean 2.0 with fixing bracket, automatic changeover valve, low pressure regulator with pressure relief valve PRV, control knob, operation and reserve display, gas non-return valve, test point and wall bracket

Advantages and equipment

- includes all components for start-up a two-cylinder system
- automatic changeover to the gas cylinder on the reserve side as soon as the gas cylinder on the operating side is empty
- the cylinder can be replaced without operational interruption
- gas non-return valve: prevents the escape of gas when the cylinder is replaced
- even gas supply through the optimum use of the gas cylinder content
- displays which gas cylinder gas is being taken from
- test point for leak testing the LPG system without disassembling the pressure regulating device
- suitable for connection of an Eis-Ex, e.g. Caramatic TwoControl
- suitable for connection of a remote display, e.g. Caramatic TwoControl
- by default, the version with compression fitting 10 / 8 at the outlet is fitted with an adapter to connect 8 mm piping

Conformity

- single fittings with EU type examination certificate GGV or PED

Technical data

- maximum admissible pressure: PS 16 bar

Note

- The 71 135 13 version can be used without restriction for LPG systems in older vehicles having an operating pressure of 50 mbar!

Caramatic ProTwo-Set

KLF	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	71 133 13	
KLF	x	compr. fit. 8	50 mbar	1.5 kg/h	71 135 13	

Spare part

Filter cartridge 2.0, consisting of 2 x filter element and 2 x supporting core	71 781 70	
Filter element 2.0 without supporting core / cont. 2 units	71 781 90	
High pressure hose assembly rubber PS 30 bar, hose dimensions 6.3 x 5.0 mm	71 684 12	
KLF x M20 x 1.5 nut x 450 mm DE / AT / PL		
Sealing nut with fastening clip M20 x 1.5 nut	71 509 30	

Accessories

Connection set M20 x 1.5 M x compr. fit. 10 / M20 x 1.5 F x compr. fit. 10	71 509 20	
Caramatic TwoControl with transmitter for remote display and Eis-Ex regulator heating	71 300 00	
Caramatic TwoControl with Eis-Ex regulator heating	71 300 20	
Eis-Ex regulator heating with connection cable	71 390 20	





Caramatic ProTwo

automatic changeover valve with integrated low pressure regulator for two-cylinder systems, for connection to gas cylinders with high pressure hose assemblies, to regulate the pressure to the nominal pressure of the gas equipment

consisting of: automatic changeover valve, low pressure regulator with pressure relief valve PRV, control knob, operation and reserve display, gas non-return valve, test point and wall bracket

Advantages and equipment

- automatic changeover to the gas cylinder on the reserve side as soon as the gas cylinder on the operating side is empty
- the cylinder can be replaced without operational interruption
- gas non-return valve: prevents the escape of gas when the cylinder is replaced
- even gas supply through the optimum use of the gas cylinder content
- displays which gas cylinder gas is being taken from
- can be used all over Europe through the use of country-specific high pressure hose assemblies (not included in delivery)
- test point for leak testing the LPG system without disassembling the pressure regulating device
- suitable for connection of an Eis-Ex, e.g. Caramatic TwoControl
- suitable for connection of a remote display, e.g. Caramatic TwoControl
- by default, the version with compression fitting 10 / 8 at the outlet is fitted with an adapter to connect 8 mm piping

Conformity

- EC type examination certificate PED
- EC type examination certificate GAR
- UKCA type examination certificate GAR

Technical data

- maximum admissible pressure: PS 16 bar

Note

- The 71 925 13 version can be used without restriction for LPG systems in older vehicles having an operating pressure of 50 mbar!
- The gas filter Caramatic ConnectClean 2.0 (part no. 71 781 04 / cont. 2 units) is recommended to protect the LPG system in the vehicle from oily aerosols and evaporation residue!

Caramatic ProTwo

2 x M20 x 1.5 M	x	compr. fit. 10 / 8	30 mbar	1.5 kg/h	71 923 13	
2 x M20 x 1.5 M	x	compr. fit. 8	50 mbar	1.5 kg/h	71 925 13	

Spare part

Sealing nut with fastening clip M20 x 1.5 nut	71 509 30	
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Accessories

Caramatic ConnectClean 2.0 M20 x 1.5 M x M20 x 1.5 nut / cont. 2 units	71 781 04	
90° elbow M20 x 1.5 M x M20 x 1.5 nut	71 509 00	
Connection set M20 x 1.5 M x compr. fit. 10 / M20 x 1.5 F x compr. fit. 10	71 509 20	
Fitting for pipe socket 8 x compr. fit. 10	62 082 00	
Fitting for pipe socket 10 x compr. fit. 8	67 223 00	
Caramatic TwoControl with transmitter for remote display and Eis-Ex regulator heating	71 300 00	





Caramatic SwitchTwo

automatic changeover valve for two-cylinder systems, for connection to gas cylinders with high pressure hose assemblies

consisting of: automatic changeover valve, control knob, operation and reserve display, gas non-return valve and wall bracket

Advantages and equipment

- automatic changeover to the gas cylinder on the reserve side as soon as the gas cylinder on the operating side is empty
- the cylinder can be replaced without operational interruption
- gas non-return valve: prevents the escape of gas when the cylinder is replaced
- even gas supply through the optimum use of the gas cylinder content
- displays which gas cylinder gas is being taken from
- can be used all over Europe through the use of country-specific high pressure hose assemblies (not included in delivery)
- makes it possible to convert a one-cylinder system to a two-cylinder system
- suitable for connection of an Eis-Ex, e.g. Caramatic TwoControl
- suitable for connection of a remote display, e.g. Caramatic TwoControl

Conformity

- EC type examination certificate PED
- EC type examination certificate GAR
- UKCA type examination certificate GAR

Technical data

- maximum admissible pressure: PS 16 bar

Note

- A downstream pressure regulator with outlet pressure of 30 or 50 mbar is required to operate the LPG system, for example type EN61, EN71 or EN61-DS (not included in delivery).
- The gas filter Caramatic ConnectClean 2.0 (part no. 71 781 04 / cont. 2 units) is recommended to protect the LPG system in the vehicle from oily aerosols and evaporation residue!

Caramatic SwitchTwo

2 x M20 x 1.5 M x M20 x 1.5 nut 0.75 bar 1.5 kg/h **71 828 46**

Spare part

Sealing nut with fastening clip M20 x 1.5 nut **71 509 30**

Accessories

Caramatic ConnectClean 2.0 M20 x 1.5 M x M20 x 1.5 nut / cont. 2 units **71 781 04**

90° elbow M20 x 1.5 M x M20 x 1.5 nut **71 509 00**

Connection set M20 x 1.5 M x compr. fit. 10 / M20 x 1.5 F x compr. fit. 10 **71 509 20**

Adapter M20 x 1.5 M x KLF M **71 508 00**

Adapter M20 x 1.5 M x POL F **71 508 05**

Adapter M20 x 1.5 M x W20 x 1/14 lh M **71 508 06**

Adapter M20 x 1.5 M x Shell-F M **71 508 04**

Caramatic TwoControl with transmitter for remote display and Eis-Ex regulator heating **71 300 00**





Caramatic ConnectBasic

to connect the gas cylinder and regulator

Advantages and equipment

- can be used all over Europe through the use of high pressure hose assemblies with country-specific connections

Conformity

- version PS 30 bar: DVGW [German Association of Gas and Water] type test certificate
- version PS 20 bar: NF approved

Technical data

- hose: **rubber with textile lining**
- cold resistant up to -30 °C

Note

- Our hose assemblies are supplied with a tag and notice of the year of replacement.
- The 750 mm long hose assembly may only be used for cylinder brackets with a pull-out device.



Caramatic ConnectBasic PS 30 bar

hose dimensions 6.3 x 5.0 mm

connections: cylinder connection x regulator connection

G.12 (KLF)	x	M20 x 1.5 nut	x	450 mm	DE / AT / PL	71 684 12	
G.12 (KLF)	x	M20 x 1.5 nut	x	750 mm	DE / AT / PL	71 687 12	
G.7 (Brit.POL)	x	M20 x 1.5 nut	x	450 mm	GB propane	71 684 07	
G.7 (Brit.POL)	x	M20 x 1.5 nut	x	750 mm	GB propane	71 687 07	
G.8 (EU-Shell)	x	M20 x 1.5 nut	x	450 mm	GB butane	71 684 08	
G.8 (EU-Shell)	x	M20 x 1.5 nut	x	750 mm	GB butane	71 687 08	
G.1 (Ital.A)	x	M20 x 1.5 nut	x	450 mm	IT / GR / CY	71 684 01	
G.1 (Ital.A)	x	M20 x 1.5 nut	x	750 mm	IT / GR / CY	71 687 01	
G.10 (POL-WS)	x	M20 x 1.5 nut	x	450 mm	SE	71 684 10	
G.10 (POL-WS)	x	M20 x 1.5 nut	x	750 mm	SE	71 687 10	
G.2 (Shell-F)	x	M20 x 1.5 nut	x	450 mm	CH / BE	71 684 03	
G.2 (Shell-F)	x	M20 x 1.5 nut	x	750 mm	CH / BE	71 687 03	
X.3 (Komb.Shell-H)	x	M20 x 1.5 nut	x	450 mm	NL / RU	71 684 23	
X.3 (Komb.Shell-H)	x	M20 x 1.5 nut	x	750 mm	NL / RU	71 687 23	

Caramatic ConnectBasic PS 20 bar

hose dimensions 6.6 x 4.0 mm

connections: cylinder connection x regulator connection

G.2 (Shell-F)	x	M20 x 1.5 nut	x	450 mm	FR	71 684 02	
G.2 (Shell-F)	x	M20 x 1.5 nut	x	750 mm	FR	71 687 02	

Spare parts

Gasket for Komb.A / Komb.Shell-H, material: plastic	20 009 75	
Gasket for EU-Shell / Shell F, material: NBR	20 009 81	
Gasket for Ital.A, material: NBR	20 011 05	
Gasket for M20 x 1.5 nut, material: FKM	04 590 25	
Gasket for POL-WF / POL-WS, material: NBR	02 513 37	
Gasket for KLF, material: NBR / cont. 5 units	80 016 00	
Gasket for EU-Shell / Shell-F, material: NBR / cont. 5 units	80 009 00	





Caramatic ConnectClean 2.0 type FA 99

gas filter prevents contamination in the LPG installation

Protects the pressure regulator and the automatic changeover valve against contamination from oily aerosols and evaporation residues.

Advantages and equipment

- shortened filter cup – useful for space limited installations
- for all wall-mounted pressure regulators and automatic changeover valves
- high degree of separation of 99 %
- with filter cartridge 2.0. Only the filter element has to be replaced. The supporting core can still be used.

Technical data

- maximum admissible pressure: PS 25 bar

Caramatic ConnectClean 2.0 type FA 99

cont. 1 unit

M20 x 1.5 M x M20 x 1.5 nut

71 781 03

cont. 2 units

M20 x 1.5 M x M20 x 1.5 nut

71 781 04

Spare part

Filter cartridge 2.0, consisting of 1 x filter element and 1 x supporting core

71 781 60

Filter cartridge 2.0, consisting of 2 x filter element and 2 x supporting core

71 781 70

Filter element 2.0 without supporting core / cont. 2 units

71 781 90

Accessories

90° elbow M20 x 1.5 M x M20 x 1.5 nut

71 509 00

Additional fixing bracket for Caramatic ConnectClean 2.0

71 781 81



90° elbow

to connect high pressure hose assemblies to a low pressure regulator or to combine pressure regulators with automatic changeover valves

90° elbow

male thread x coupling nut

M20 x 1.5 M x M20 x 1.5 nut

71 509 00



Connection set

to connect a high pressure hose assembly e.g. Caramatic ConnectDrive via piping with a Caramatic SwitchTwo or Caramatic ProTwo

consisting of: M20 x 1.5 M x compr. fit. 10 (fitting for hose assembly) / M20 x 1.5 F x compr. fit. 10 (fitting for Caramatic SwitchTwo or Caramatic ProTwo)

Connection set

complete

71 509 20





Caramatic TwoControl – Remote display and regulator heating

convenient information and control unit in the leisure vehicle to monitor the operating and reserve cylinder in two-cylinder systems as well as the de-icer regulator heating

consisting of: information and control unit including connection cable, cover frame, transmitter for remote display including connection cable and de-icer regulator heating including connection cable

Advantages and equipment

- central control unit to switch on/off the remote display and the Eis-Ex regulator heating
- remote indication of the operating status of the regulator heating
- remote indication of the operating status (normal or reserve operation) of the gas cylinders
- can be easily installed in new systems or retrofitted in existing systems
- can be used with the models of the Caramatic line DriveTwo, ProTwo, SwitchTwo as well as the Truma models DuoControl CS and DuoComfort in silver colour
- connection of all components by using a plug system, no soldering necessary

Conformity

- Conformity assessment procedure according to ATEX
- CE marking according to EMC
- Type approval according to UNECE R 10

Technical data

- supply voltage: 12 V

Caramatic TwoControl – Remote display and regulator heating

Information and control unit with transmitter for remote display and Eis-Ex regulator heating

71 300 00

Spare parts

Information and control unit with connection cable

71 391 20

Cover frame, colour: anthracite

71 391 00

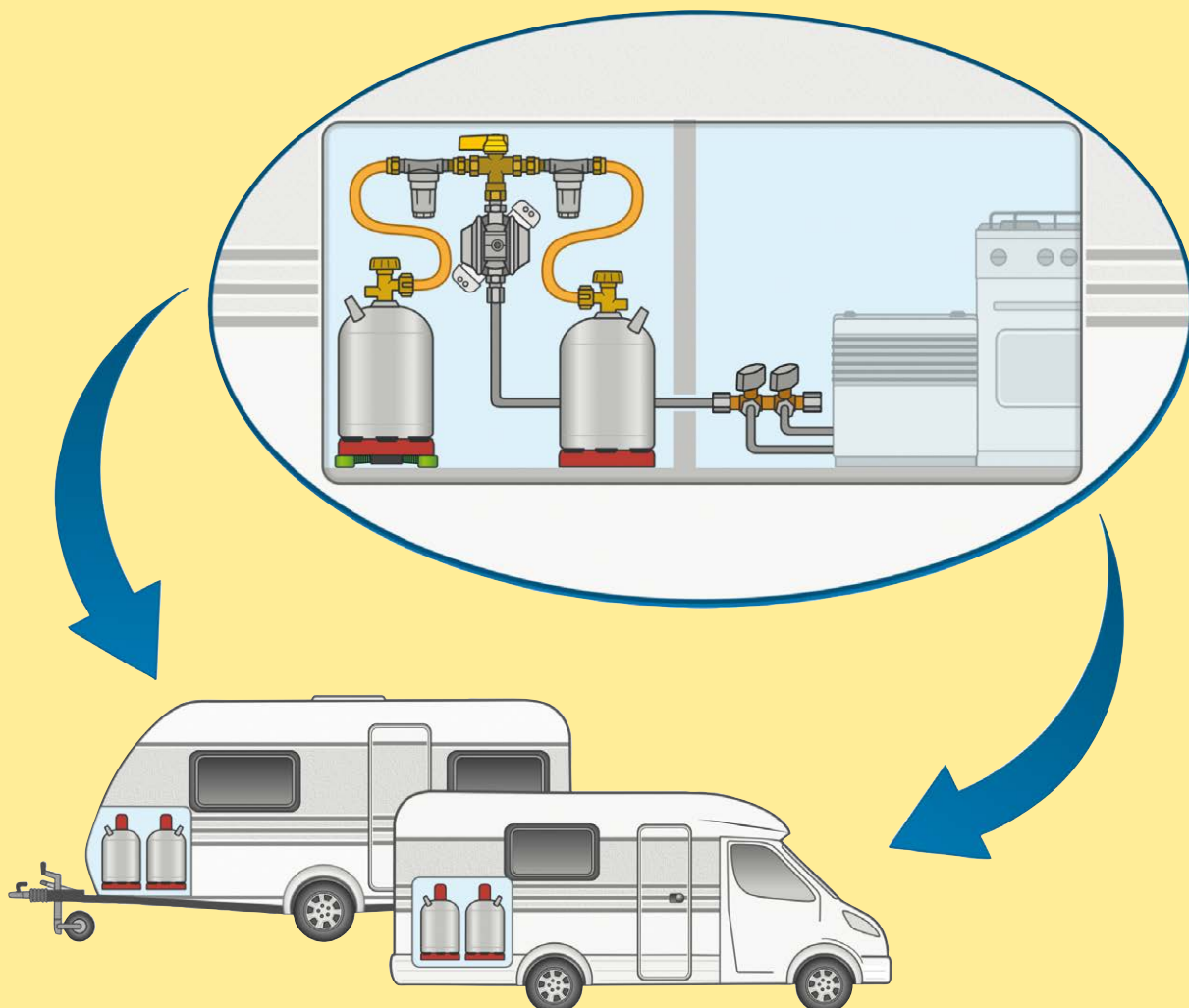
Transmitter for remote display with connection cable

71 390 00

Eis-Ex regulator heating with connection cable

71 390 20





The manual solution for two cylinders

The manual changeover system allows long operating times and for the gas cylinder to be replaced without an operational interruption of the gas supply. Once the operating cylinder is empty, you switch over manually to a full cylinder.

By using country-specific high pressure hose assemblies, it is possible to use the changeover system across Europe without a problem.



Manual changeover valve type MUV

for manual changeover with two-cylinder systems

Advantages and equipment

- withdrawal takes place on an alternating basis
- the cylinder can be replaced without operational interruption

Conformity

- EC type examination certificate GAR

Technical data

- maximum admissible pressure: PS 25 bar
- material: brass

Manual changeover valve type MUV

for installation in piping

with coupling nut type M and olive type D

compr. fit. 8 x compr. fit. 8 x compr. fit. 8

compr. fit. 10 x compr. fit. 10 x compr. fit. 10

for installation upstream from the wall-mounted low pressure regulator

M20 x 1.5 M x M20 x 1.5 nut x M20 x 1.5

Accessories

Gasket for M20 x 1.5 nut, material: FKM

Installation set to mount the manual changeover valve type MUV

on the wall for low pressure regulators type EN61-DS, EN71, FL90-4 and FL91-4

62 714 02



62 714 03



62 714 06



04 590 25

62 714 28



Caramatic ConnectClean 2.0 type FA 99

gas filter prevents contamination in the LPG installation

Protects the pressure regulator and the automatic changeover valve against contamination from oily aerosols and evaporation residues.

Advantages and equipment

- shortened filter cup – useful for space limited installations
- for all wall-mounted pressure regulators and automatic changeover valves
- high degree of separation of 99 %
- with filter cartridge 2.0. Only the filter element has to be replaced. The supporting core can still be used.

Technical data

- maximum admissible pressure: PS 25 bar

Caramatic ConnectClean 2.0 type FA 99

cont. 1 unit

M20 x 1.5 M x M20 x 1.5 nut

71 781 03



cont. 2 units

M20 x 1.5 M x M20 x 1.5 nut

71 781 04



Spare part

Filter cartridge 2.0, consisting of 1 x filter element and 1 x supporting core

71 781 60



Filter cartridge 2.0, consisting of 2 x filter element and 2 x supporting core

71 781 70



Filter element 2.0 without supporting core / cont. 2 units

71 781 90



Accessories

90° elbow M20 x 1.5 M x M20 x 1.5 nut

71 509 00



Additional fixing bracket for Caramatic ConnectClean 2.0

71 781 81





Caramatic BasicOne

pressure to the nominal pressure of the gas equipment

consisting of: low pressure regulator with integrated safety device against overpressure and wall bracket

Advantages and equipment

- compression fitting with coupling nut type M and olive type D-MS
- version with test point for leak testing the LPG system without disassembling the pressure regulating device
- version with test point suitable for connection of an Eis-Ex, e.g. Caramatic TwoControl
- version with pressure gauge for leak testing e.g. when the cylinder is replaced

Conformity

- EC type examination certificate PED (EN 16129, annex D)
- EC type examination certificate GGV [ordinance on building land registries] (EN 16129, annex D)
- UKCA type examination certificate GGV [ordinance on building land registries] (EN 16129, annex D)

Technical data

- maximum admissible pressure: PS 16 bar

Note

- The nominal flows of all the devices must be added together to choose the right capacity stage.
- The gas filter Caramatic ConnectClean 2.0 (part no. 71 781 03) is recommended to protect the LPG system in the vehicle from oily aerosols and evaporation residue!
- Version type EN61-DS fulfils the requirements of DGUV Regulation 110-010 (German statutory accident insurance, previously DGUV Regulation 79) and is suitable for use in commercially used motorhomes and caravans!

Caramatic BasicOne with test point

capacity stage 3,

type EN61-DS with over-pressure safety device S2SR

90° inlet

without pressure gauge

M20 x 1.5 M	x	compr. fit. 8	30 mbar	1.5 kg/h	61 294 02	
M20 x 1.5 M	x	compr. fit. 10	30 mbar	1.5 kg/h	61 294 03	

Caramatic BasicOne without test point

capacity stage 2,

type EN71 with safety pressure relief valve PRV

straight inlet

M20 x 1.5 M	x	compr. fit. 8	30 mbar	1.2 kg/h	61 287 05	
M20 x 1.5 M	x	compr. fit. 10	30 mbar	1.2 kg/h	61 287 06	

capacity stage 3,

type EN61-DS with overpressure safety device S2SR

with pressure gauge

M20 x 1.5 M	x	compr. fit. 10	30 mbar	1.5 kg/h	61 291 03	
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without pressure gauge

M20 x 1.5 M	x	compr. fit. 8	30 mbar	1.5 kg/h	61 291 01	
M20 x 1.5 M	x	compr. fit. 10	30 mbar	1.5 kg/h	61 291 02	

Accessories

Gasket for M20 x 1.5 nut, material: FKM

Caramatic ConnectClean 2.0 M20 x 1.5 M x M20 x 1.5 nut / cont. 1 unit

90° elbow M20 x 1.5 M x M20 x 1.5 nut

04 590 25	
71 781 03	
71 509 00	





Caramatic ConnectBasic

to connect the gas cylinder and regulator

Advantages and equipment

- can be used all over Europe through the use of high pressure hose assemblies with country-specific connections

Conformity

- version PS 30 bar: DVGW [German Association of Gas and Water] type test certificate
- version PS 20 bar: NF approved

Technical data

- hose: **rubber with textile lining**
- cold resistant up to -30 °C

Note

- Our hose assemblies are supplied with a tag and notice of the year of replacement.
- The 750 mm long hose assembly may only be used for cylinder brackets with a pull-out device.

Caramatic ConnectBasic PS 30 bar

hose dimensions 6.3 x 5.0 mm

connections: cylinder connection x regulator connection

G.12 (KLF)	x	M20 x 1.5 nut	x	450 mm	DE / AT / PL	71 684 12	
G.12 (KLF)	x	M20 x 1.5 nut	x	750 mm	DE / AT / PL	71 687 12	
G.7 (Brit.POL)	x	M20 x 1.5 nut	x	450 mm	GB propane	71 684 07	
G.7 (Brit.POL)	x	M20 x 1.5 nut	x	750 mm	GB propane	71 687 07	
G.8 (EU-Shell)	x	M20 x 1.5 nut	x	450 mm	GB butane	71 684 08	
G.8 (EU-Shell)	x	M20 x 1.5 nut	x	750 mm	GB butane	71 687 08	
G.1 (Ital.A)	x	M20 x 1.5 nut	x	450 mm	IT / GR / CY	71 684 01	
G.1 (Ital.A)	x	M20 x 1.5 nut	x	750 mm	IT / GR / CY	71 687 01	
G.10 (POL-WS)	x	M20 x 1.5 nut	x	450 mm	SE	71 684 10	
G.10 (POL-WS)	x	M20 x 1.5 nut	x	750 mm	SE	71 687 10	
G.2 (Shell-F)	x	M20 x 1.5 nut	x	450 mm	CH / BE	71 684 03	
G.2 (Shell-F)	x	M20 x 1.5 nut	x	750 mm	CH / BE	71 687 03	
X.3 (Komb.Shell-H)	x	M20 x 1.5 nut	x	450 mm	NL / RU	71 684 23	
X.3 (Komb.Shell-H)	x	M20 x 1.5 nut	x	750 mm	NL / RU	71 687 23	

Caramatic ConnectBasic PS 20 bar

hose dimensions 6.6 x 4.0 mm

connections: cylinder connection x regulator connection

G.2 (Shell-F)	x	M20 x 1.5 nut	x	450 mm	FR	71 684 02	
G.2 (Shell-F)	x	M20 x 1.5 nut	x	750 mm	FR	71 687 02	

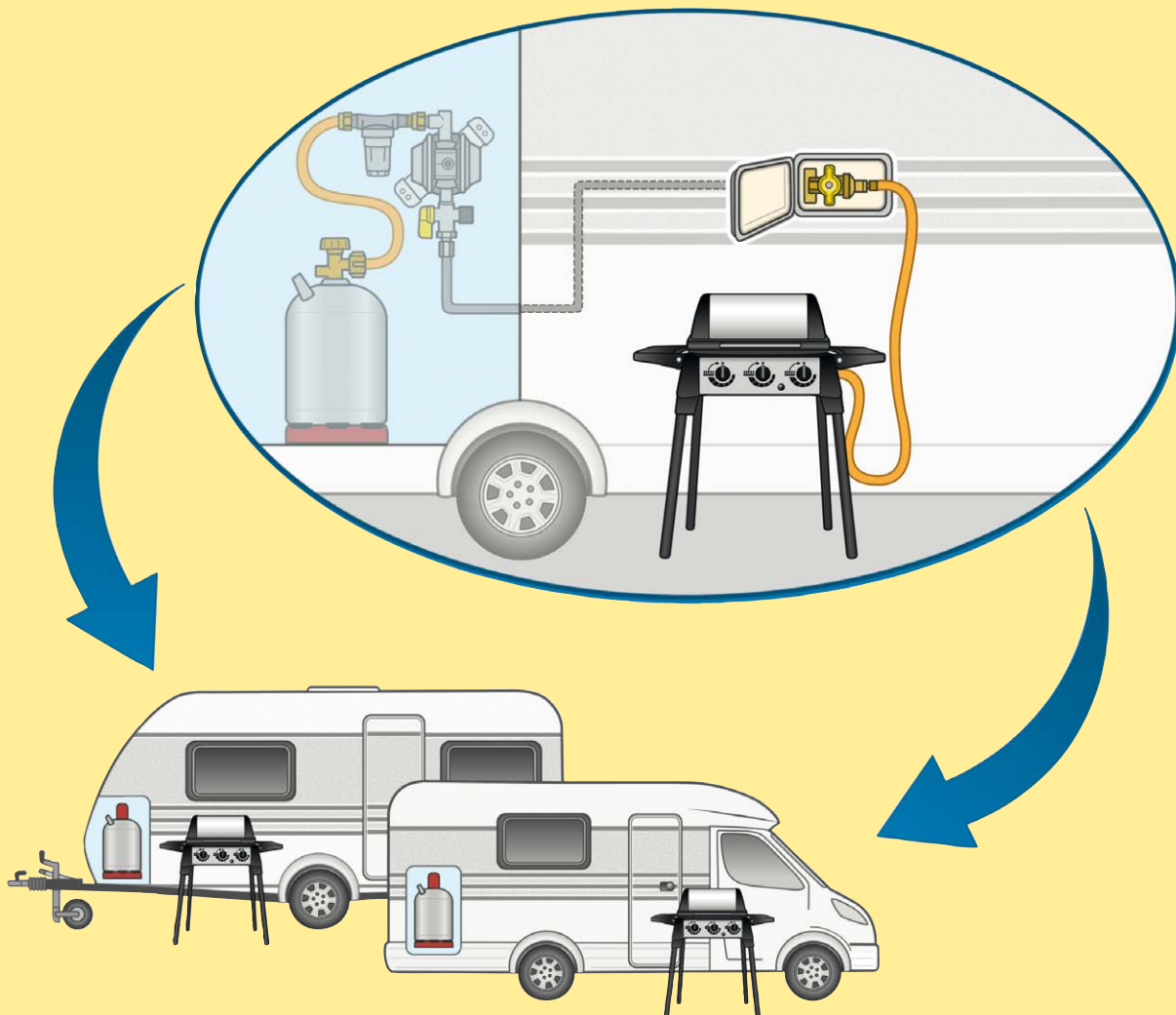
Spare parts

Gasket for Komb.A / Komb.Shell-H, material: plastic	20 009 75	
Gasket for EU-Shell / Shell F, material: NBR	20 009 81	
Gasket for Ital.A, material: NBR	20 011 05	
Gasket for M20 x 1.5 nut, material: FKM	04 590 25	
Gasket for POL-WF / POL-WS, material: NBR	02 513 37	
Gasket for KLF, material: NBR / cont. 5 units	80 016 00	
Gasket for EU-Shell / Shell-F, material: NBR / cont. 5 units	80 009 00	



-30 °C





Gas supply also outside of the vehicle

With a Variant outlet box, gas equipment, such as barbecues and stoves, outside the vehicle can also be supplied via the internal LPG installation.

The connection to the gas equipment is created quickly and safely via a medium pressure hose assembly and a quick coupler on the vehicle.

You no longer need to bring additional gas cylinders.



Variant outlet box

for outdoor use or connect an outside shower or connect the vehicle to a water supply. Depending on the version, to connect additional gas equipment, such as a stove, barbecue, lights etc.

The valve can be opened only when the hose assembly is connected.

Quick couplers SKU for gas and water in unmistakable designs.

The different variant outlet boxes are available in the following versions:

Outside connection for LPG

Outside connection for LPG and water

with quick coupler SKU and flip switch (on/off) for submerged pump operation
(plug-in connection 6.3 mm)

materials: suitable for drinking water

- brass gas safety coupling and water connection

Outside connection for LPG and water

with quick coupler SKU for pressure pump operation

materials: suitable for drinking water

- brass gas safety coupling and water connection

Note

- To install the outlet box on the outside of the vehicle a 155 x 65 mm cutout in the vehicle body is required!

Variant outlet box

Outside connection for LPG

with cylinder lock

gas line: quick coupler x pipe socket 8

81 731 03



without cylinder lock

gas line: quick coupler x pipe socket 8

81 731 02



Outside connection for LPG and water

with flip switch

with cylinder lock

gas line: quick coupler x pipe socket 8 / water line: 9/10 mm nozzle x 9/10 mm nozzle

81 733 03



without cylinder lock

gas line: quick coupler x pipe socket 8 / water line: 9/10 mm nozzle x 9/10 mm nozzle

81 733 06



without flip switch

with cylinder lock

gas line: quick coupler x pipe socket 8 / water line: 9/10 mm nozzle x 9/10 mm nozzle

81 737 01



without cylinder lock

gas line: quick coupler x pipe socket 8 / water line: 9/10 mm nozzle x 9/10 mm nozzle

81 737 00



Accessories

Medium pressure hose assembly rubber PS 10 bar,
hose dimensions 6.3 x 3.5 mm, G 1/4 lh nut x plug-in fitting x 1500 mm

64 224 00



Hose nozzle compr. fit. 8 x 6 mm

14 468 00





Medium pressure hose assembly rubber

to connect fittings, consumer equipment and piping

Conformity

- DVGW [German Association of Gas and Water] type test certificate

Technical data

- maximum admissible pressure: PS 10 bar
- hose: **rubber with textile lining**
- cold-resistant up to -30 °C

Note








- Our hose assemblies are supplied with a tag and notice of the year of replacement.

Medium pressure hose assembly rubber

hose dimensions 6.3 x 3.5 mm

connections: coupling nut x plug-in fitting

G 1/4 lh nut	x	plug-in fitting	x	400 mm
G 1/4 lh nut	x	plug-in fitting	x	800 mm
G 1/4 lh nut	x	plug-in fitting	x	1000 mm
G 1/4 lh nut	x	plug-in fitting	x	1500 mm
G 1/4 lh nut	x	plug-in fitting	x	2000 mm
G 1/4 lh nut	x	plug-in fitting	x	3000 mm
G 1/4 lh nut	x	plug-in fitting	x	5000 mm

64 221 01	
64 222 00	
64 223 00	
64 224 00	
64 225 00	
64 227 01	
64 227 00	

Other versions, connections or dimensions on request.



-30 °C





Coupling valve type SKU SSV-K

ball valve as shut-off valve with safety coupling, only completely open or closed setting for assembly into the piping as an option to connect transportable gas equipment such as gas cookers or gas grills

Advantages and equipment

- shut-off valve can be opened or closed only when a hose assembly is connected
- a special device makes the quick coupler SKU tamper-proof - decoupling is only possible with the plug-in fitting STN
- low pressure loss thanks to optimised function
- mounting bracket for safe assembly

Conformity

- EC type examination certificate GAR

Technical data

- maximum admissible pressure: PS 5 bar
- material: brass, bright

Coupling valve type SKU SSV-K

straight-way version


with coupling nut type M and olive type DU


compr. fit. 8 x quick coupler

branch version

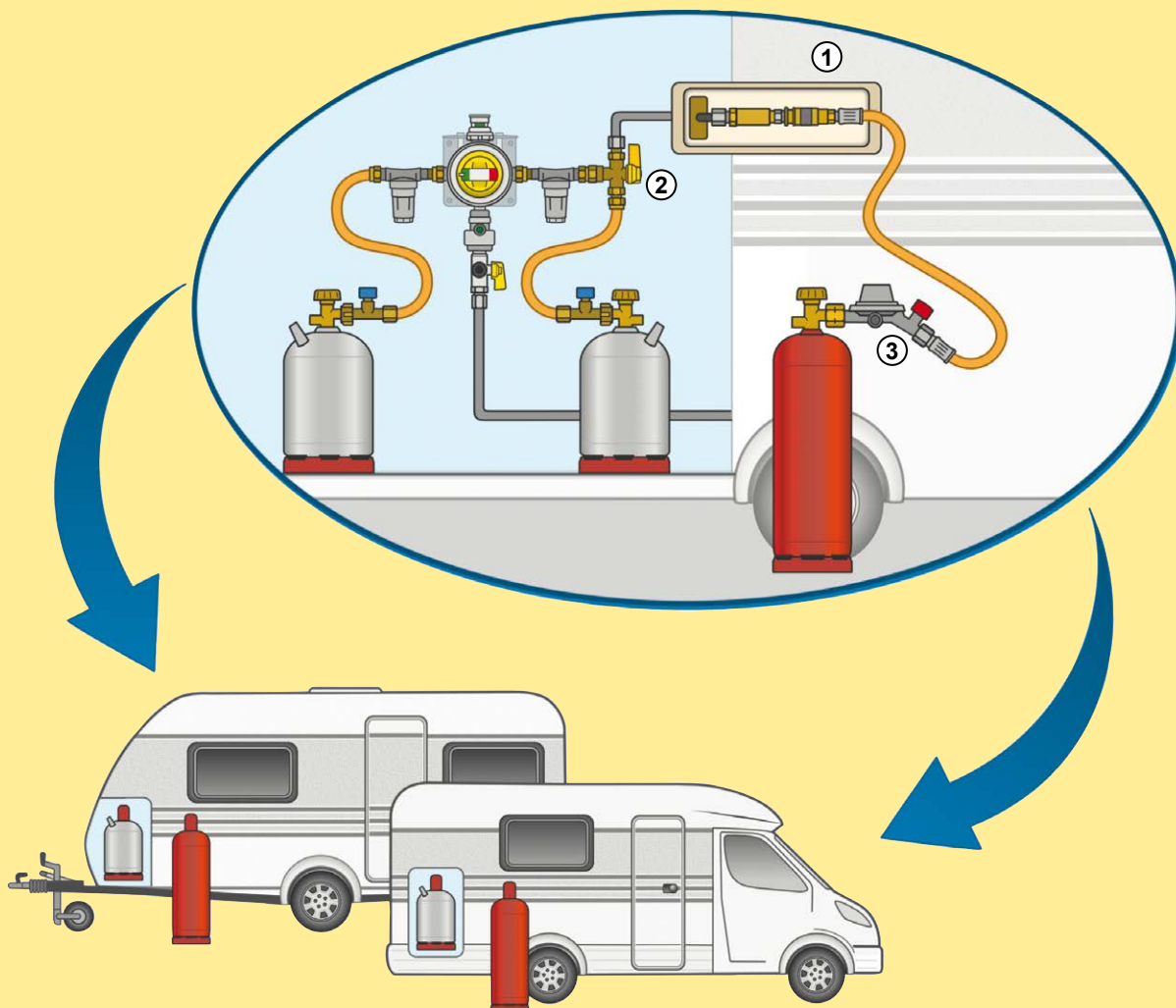
with coupling nut type M and olive type DU

compr. fit. 8 x compr. fit. 8 x quick coupler

81 315 02 

81 315 04 





For long-term campers: external LPG feed for single- or two-cylinder systems

An external gas supply to feed LPG to the supply line enables gas equipment to be operated reliably even for long periods.

The connection between the external gas cylinder and the supply line is created quickly and safely via a quick coupler ①.

A manual changeover valve is used to switch from the internal gas system to the external gas supply ②. To do this, the manual changeover valve is installed in front of the low pressure regulator or the regulation system.

To safeguard the external hose assembly an excess flow valve ③ is integrated in the medium pressure regulator.



External LPG feed for leisure vehicles

to connect an external gas supply (gas cylinder) for motorhomes and caravans with single- or two-cylinder systems

The connection between the external gas cylinder and the vehicle's supply line is created quickly and safely via a quick coupler.

With the manual changeover valve, you can switch between the internal gas cylinder and the external gas feed.

Advantages and equipment

- medium pressure regulator type M50-F/SBS Komb.W x G 3/8 lh M, 1.5 bar, 1.5 kg/h with 35° outlet and integrated excess flow valve (EFV) with manual opening, blocks the gas supply if the hose is damaged
- combined fitting for optional connection to 5, 11 or 33 kg gas cylinders
- medium pressure hose assembly (rubber with textile lining; cold resistant up to -30 °C; hose dimensions 6.3 x 3.5 mm) G 3/8 lh nut x quick coupler type DKG x 3000 mm
- gas outlet box for installation in the outer wall of the vehicle with plug-in fitting to connect the medium pressure hose assembly; connection to internal supply line pipe socket 8
- the integrated gas non-return valve prevents unwanted escape of gas
- manual changeover valve type MUV compr. fit. 8 x M20 x 1.5 x M20 x 1.5 M for alternating withdrawal from external and internal gas supply
- including MiniTool to connect and disconnect regulators

Note

- The gas regulator in the vehicle must be attached to the wall of the vehicle and have an M20 x 1.5 M inlet connector.
- To install the outlet box on the outside of the vehicle a 155 x 65 mm cutout in the vehicle body is required!

External LPG feed for leisure vehicles

complete

21 735 00



Locking screw

as a secure cover to protect against damage or contamination of the inlet connector of pressure regulators or high pressure hose assemblies

useful if the connection between the gas cylinders and fittings is disconnected or the gas system is at a standstill for a long period of time

Advantages and equipment

- with fastening clip

Technical data

- material: plastic
- male thread: W21.8 x 1/14 lh

Note

- The locking screw must not be used on regulators with a gas non-return valve, such as Caramatic BasicTwo!
- The pressure regulator is not included in the scope of delivery!

Locking screw

for KLF, GF, Kombi and Shell coupling nuts

60 300 92



Accessories for LPG systems in motorhomes and caravans

With individual accessories, the comfort, safety and reliability of the LPG installation are increased beyond the standard.

The following GOK products are the ideal extras for caravan owners who enjoy comfort and convenience.

Quick-acting stop valve type DSV

quick-closing valve, only completely open or closed setting

Advantages and equipment

- includes symbol stickers for marking the consumer equipment
- activation element: twist grip
- low pressure loss thanks to optimised function
- mounting bracket for safe assembly

Conformity

- DIN DVGW [German Association of Gas and Water] type test certificate

Technical data

- maximum admissible pressure: PS 16 bar
- material: housing: brass, bright
gaskets: NBR
twist grip: PA6 GB10


Quick-acting stop valve type DSV

with mounting bracket

compression fitting x compression fitting


with coupling nut type M and olive type D

compr. fit. 8 x compr. fit. 8

63 711 00 

with coupling nut type M and olive type D-MS

compr. fit. 8 x compr. fit. 8

63 711 06 





Distributor valve type DSV-AB

quick-closing valve, only completely open or closed setting

Advantages and equipment

- with mounting bracket
- includes a blind plug in the outlet
- includes symbol stickers for marking the consumer equipment
- activation element: twist grip
- low pressure loss thanks to optimised function

Conformity

- DIN DVGW [German Association of Gas and Water] type test certificate

Technical data

- material: housing: brass, bright
- gaskets: NBR
- twist grip: PA6 GB10

Distributor valve

type DSV-AB2, PS 16 bar

with coupling nut type M and olive type D

compr. fit. 8 x 2 x compr. fit. 8 x compr. fit. 8

compr. fit. 10 x 2 x compr. fit. 8 x compr. fit. 10

63 750 00

63 760 00

type DSV-AB3, PS 5 bar

with coupling nut type M and olive type D

compr. fit. 8 x 3 x compr. fit. 8 x compr. fit. 8

compr. fit. 10 x 3 x compr. fit. 8 x compr. fit. 10

63 751 00

63 761 00

type DSV-AB4, PS 5 bar

with coupling nut type M and olive type D

compr. fit. 8 x 4 x compr. fit. 8 x compr. fit. 8

compr. fit. 10 x 4 x compr. fit. 8 x compr. fit. 10

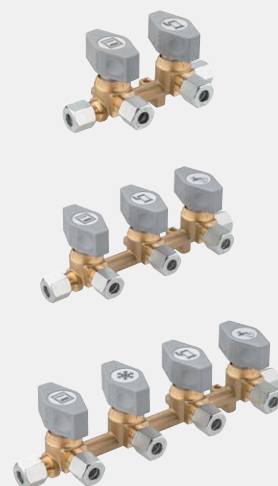
63 752 00

63 762 00

Accessories

Set of symbols / cont. 5 units

63 750 01





Quick-acting stop valve type KSV

quick-closing valve, only completely open or closed setting

Advantages and equipment

- activation element: ergonomic toggle lever
- colour coded open (green) and closed position (red)
- low pressure loss thanks to optimised function
- includes clips with symbols for marking consumer equipment

Conformity

- DIN DVGW [German Association of Gas and Water] type test certificate

Technical data

- maximum admissible pressure: PS 16 bar
- material: housing: brass, bright
gaskets: NBR
toggle lever: PA6 GF30

Quick-acting stop valve type KSV, with mounting bracket with coupling nut type M and olive type

compr. fit. 8 x compr. fit. 8

63 611 00

with coupling nut type M and olive type D-MS

compr. fit. 8 x compr. fit. 8

63 611 06

Spare part

Clips with symbols for marking consumer equipment / cont. 4 units

63 690 00



Distributor valve short design type KSV-AB

quick-closing valve, only completely open or closed setting

Advantages and equipment

- activation element: ergonomic toggle lever
- colour coded open (green) and closed position (red)
- shortened configuration for optimised installation
- low pressure loss thanks to optimised function
- with mounting bracket
- includes clips with symbols for marking consumer equipment
- includes a blind plug in the outlet

Conformity

- DIN DVGW [German Association of Gas and Water] type test certificate

Technical data

- maximum admissible pressure: PS 16 bar
- material: housing: brass, bright
gaskets: NBR
toggle lever: PA6 GF30

Distributor valve short design

type KSV-AB2

with coupling nut type M and olive type D

compr. fit. 8 x 2 x compr. fit. 8 x compr. fit. 8

63 670 00

compr. fit. 10 x 2 x compr. fit. 8 x compr. fit. 10

63 680 00

type KSV-AB3

with coupling nut type M and olive type D

compr. fit. 8 x 3 x compr. fit. 8 x compr. fit. 8

63 671 00

compr. fit. 10 x 3 x compr. fit. 8 x compr. fit. 10

63 681 00

type KSV-AB4

with coupling nut type M and olive type D

compr. fit. 8 x 4 x compr. fit. 8 x compr. fit. 8

63 672 00

compr. fit. 10 x 4 x compr. fit. 8 x compr. fit. 10

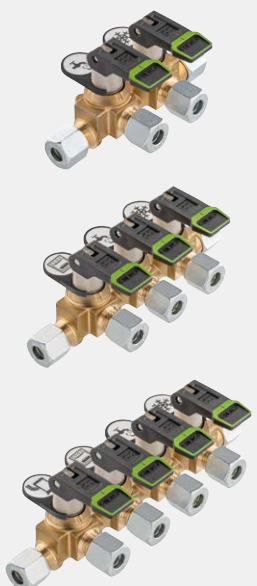
63 682 00

Spare part

Clips with symbols for marking consumer equipment / cont. 4 units

63 690 00

shortened design





Distributor valve type KSV-AB

quick-closing valve, only completely open or closed setting

Advantages and equipment

- activation element: ergonomic toggle lever
- colour coded open (green) and closed position (red)
- low pressure loss thanks to optimised function
- with mounting bracket
- includes clips with symbols for marking consumer equipment
- includes a blind plug in the outlet

Conformity

- DIN DVGW [German Association of Gas and Water] type test certificate

Technical data

- maximum admissible pressure: PS 16 bar
- material: housing: brass, bright
- gaskets: NBR
- toggle lever: PA6 GF30

Distributor valve

type KSV-AB2

with coupling nut type M and olive type D

compr. fit. 8	x	2 x	compr. fit. 8	x	compr. fit. 8
compr. fit. 10	x	2 x	compr. fit. 8	x	compr. fit. 10

63 650 00	
63 660 00	

type KSV-AB3

with coupling nut type M and olive type D

compr. fit. 8	x	3 x	compr. fit. 8	x	compr. fit. 8
compr. fit. 10	x	3 x	compr. fit. 8	x	compr. fit. 10

63 651 00	
63 661 00	

type KSV-AB4

with coupling nut type M and olive type D

compr. fit. 8	x	4 x	compr. fit. 8	x	compr. fit. 8
compr. fit. 10	x	4 x	compr. fit. 8	x	compr. fit. 10

63 652 00	
63 662 00	

Spare part

Clips with symbols for marking consumer equipment / cont. 4 units

63 690 00	
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Caramatic TwoControl – Remote display and regulator heating

convenient information and control unit in the leisure vehicle to monitor the operating and reserve cylinder in two-cylinder systems as well as the de-icer regulator heating

consisting of: information and control unit including connection cable, cover frame, transmitter for remote display including connection cable and de-icer regulator heating including connection cable

Advantages and equipment

- central control unit to switch on/off the remote display and the Eis-Ex regulator heating
- remote indication of the operating status of the regulator heating
- remote indication of the operating status (normal or reserve operation) of the gas cylinders
- can be easily installed in new systems or retrofitted in existing systems
- can be used with the models of the Caramatic line DriveTwo, ProTwo, SwitchTwo as well as the Truma models DuoControl CS and DuoComfort in silver colour
- connection of all components by using a plug system, no soldering necessary

Conformity

- Conformity assessment procedure according to ATEX
- CE marking according to EMC
- Type approval according to UNECE R 10

Technical data

- supply voltage: 12 V

Caramatic TwoControl – Remote display and regulator heating

Information and control unit with transmitter for remote display and Eis-Ex regulator heating

71 300 00

Spare parts

Information and control unit with connection cable

71 391 20

Cover frame, colour: anthracite

71 391 00

Transmitter for remote display with connection cable

71 390 00

Eis-Ex regulator heating with connection cable

71 390 20

Caramatic TwoControl – Regulator heating

convenient information and control unit of the de-icer regulator heating in the leisure vehicle

consisting of: information and control unit including connection cable 6 m, cover frame and de-icer regulator heating including connection cable 2 m

Advantages and equipment

- central control unit to switch on/off the Eis-Ex regulator heating
- remote indication of the operating status of the regulator heating
- can be easily installed in new systems or retrofitted in existing systems
- can be used with the models of the Caramatic line DriveOne, BasicOne with test point as well as the Truma model MonoControl CS in silver colour
- connection of all components by using a plug system, no soldering necessary

Conformity

- Conformity assessment procedure according to ATEX
- CE marking according to EMC
- Type approval according to UNECE R 10

Technical data

- supply voltage: 12 V

Caramatic TwoControl – Regulator heating

Information and control unit with Eis-Ex regulator heating

71 300 20

Spare parts

Information and control unit with connection cable

71 391 20

Cover frame, colour: anthracite

71 391 00

Eis-Ex regulator heating with connection cable

71 390 20





Caramatic ConnectClean 2.0 type FA 99

gas filter prevents contamination in the LPG installation

Protects the pressure regulator and the automatic changeover valve against contamination from oily aerosols and evaporation residues.

Advantages and equipment

- shortened filter cup – useful for space limited installations
- for all wall-mounted pressure regulators and automatic changeover valves
- high degree of separation of 99 %
- with filter cartridge 2.0. Only the filter element has to be replaced. The supporting core can still be used.

Technical data

- maximum admissible pressure: PS 25 bar

Caramatic ConnectClean 2.0 type FA 99

cont. 1 unit

M20 x 1.5 M x M20 x 1.5 nut

71 781 03

cont. 2 units

M20 x 1.5 M x M20 x 1.5 nut

71 781 04

Spare part

Filter cartridge 2.0, consisting of 1 x filter element and 1 x supporting core

71 781 60

Filter cartridge 2.0, consisting of 2 x filter element and 2 x supporting core

71 781 70

Filter element 2.0 without supporting core / cont. 2 units

71 781 90

Accessories

90° elbow M20 x 1.5 M x M20 x 1.5 nut

71 509 00

Additional fixing bracket for Caramatic ConnectClean 2.0

71 781 81



Filter cartridge 2.0

Replacement cartridge for Caramatic ConnectClean gas filter or for the Truma gas filter type AS99 until year of construction 02/2019

consisting of: filter element and supporting core

Advantages and equipment

- affordable and sustainable, as only the filter element has to be replaced, the supporting core can still be used
- high degree of separation of 99,9 percent protects the system against oil contamination and dust particles remain in the filter

Technical data

- material: filter element: glass microfibre
supporting core: PA 6-GF20

Filter cartridge 2.0 for Caramatic ConnectClean gas filters

1 x filter element and 1 x supporting core

71 781 60

2 x filter elements and 2 x supporting cores

71 781 70

Spare part

Filter element 2.0 without supporting core / cont. 2 units

71 781 90



90° elbow

to connect high pressure hose assemblies to a low pressure regulator or to combine pressure regulators with automatic changeover valves

90° elbow

male thread x coupling nut

M20 x 1.5 M x M20 x 1.5 nut

71 509 00





Low pressure excess flow valve for slide-out modules

for installation in the piping in a motorhome or caravan, for the securing of hose assemblies

Advantages and equipment

- prevents gas escape in case the hose assembly is damaged or becomes loose and closes the gas flow when the nominal flow rate is exceeded by 10 %
- **automatic excess flow valve SBS/AU:**
opens automatically, which keeps gas leaks to a minimum and means delayed opening in the case of long hose assemblies
- especially suitable for the connection of cooking appliances that have to be moved from the transport position to the functional position
- especially suitable for connections in the case of slide-out modules on road vehicles

Conformity

- EC type examination certificate GAR

Technical data

- maximum admissible pressure: PS 16 bar

Note

- Can only be used with a hose assembly that has a maximum length of 750 mm.
- Can only be used in combination with devices that have to be moved from their transport position to their functional position, or in the case of slide-out modules on road vehicles.

Low pressure excess flow valve for slide-out modules type EFV/AU automatic

compr. fit. 8 x G 1/4 lh M 30 mbar 0.8 kg/h **02 850 07**

Accessories

Medium pressure hose assembly G 1/4 lh nut x compr. fit. 8 x 750 mm **04 405 01**

Medium pressure hose assembly G 1/4 lh nut x compr. fit. 10 x 750 mm **04 409 07**



Clip-on adapter

for connecting a pressure regulator with a German connection to gas cylinders with clip-on connection

Advantages and equipment

- integrated shut-off valve
- the shut-off valve can be opened or closed only when the adapter is connected

Clip-on adapter, JUMBO 35 mm version
for Denmark, UK, Finland, France, Ireland,
Norway, Portugal, Sweden, Spain, Cyprus

Clip-on (G.56) x KLF M **20 036 35**

Clip-on adapter, 21 mm version, for Denmark, UK, Ireland

Clip-on (G.53) x KLF M **80 036 00**



Euro filling set D

for filling German gas cylinders through authorised European filling stations

Euro filling set D

consisting of filling adapters D1 to D4 **69 738 00**

Individual nozzle

Filling adapter D1: Italy, Switzerland

M10 x 1 F x KLF F **69 738 07**

Filling adapter D2: Austria, Greece, Italy, Slovenia

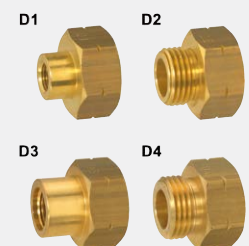
Ital.A M x KLF F **69 738 08**

Filling adapter D3: Finland, Iceland, Norway, Portugal, Sweden, UK

Primus F x KLF F **69 738 09**

Filling adapter D4: Belgium, Croatia, Czech Republic, France, Ireland, Latvia, Luxembourg, Macedonia, Montenegro, Netherlands, Serbia, Slovakia, Slovenia, Spain, Switzerland, UK

W21.8 x 1/14 lh M x KLF F **69 738 02**





MiniTool

to connect and disconnect small cylinder regulators on the gas cylinder valve with no effort

Advantages and equipment

- suitable for small cylinder connections with wing nuts

Technical data

- material: special polyamide with glass fibre reinforcement (developed for tools)

MiniTool

35 units in presentation box

unicoloured, blue

21 100 70

various colours, each 7 pieces: orange, red, blue, green and black

21 100 71

Replenishment pack, 50 units

unicoloured, blue

21 100 80

various colours, each 10 pieces: orange, red, blue, green and black

21 100 85



Euro set D Professional

for connecting a pressure regulator with a German connection to gas cylinders with common European connections

consisting of: EuroTool in toolbox with 3 inserts and adapters 1 to 4 from Euro set D

Advantages and equipment

- just one tool with three different exchangeable inserts, suitable for European cylinder connections
- simple and safe exchangeable system
- toolbox (H/W/D: 235 x 185 x 48 mm)
- adapter 1: Italy, Switzerland (KLF M x M10 x 1 M)
- adapter 2: Greece, Italy, Austria and Slovenia (KLF M x Ital.A F)
- adapter 3: UK, Finland, Iceland, Norway, Portugal and Sweden (KLF M x Primus M)
- adapter 4: Belgium, UK, France, Ireland, Croatia, Latvia, Luxembourg, Macedonia, Montenegro, Netherlands, Switzerland, Serbia, Slovakia, Slovenia, Spain and Czech Republic (KLF M x W21.8 x 1/14 lh F)


Technical data

- material: EuroTool: special polyamide with glass fibre reinforcement (developed for tools)
- exchangeable inserts: special polyamide with glass fibre reinforcement (developed for tools)
- adapter: brass

Euro set D Professional

in toolbox

complete

69 735 10 





Euro set D

for connecting a pressure regulator with a German connection to gas cylinders with common European connections

Euro set D

comprising adapters 1 to 4

69 735 00

Individual nozzle

Adapter 1: Italy, Switzerland

KLF M x M10 x 1 M

69 735 21

Adapters 2: Greece, Italy, Austria and Slovenia

KLF M x Ital.A F

69 735 22

Adapters 3: UK, Finland, Iceland, Norway, Portugal, Sweden

KLF M x Primus M

69 735 23

Adapters 4: Belgium, UK, France, Ireland, Croatia, Latvia, Luxembourg, Macedonia, Montenegro, Netherlands, Switzerland, Serbia, Slovakia, Slovenia, Spain, Czech Republic

KLF M x W21.8 x 1/14 lh F

69 735 03

Long version (total length: 40 mm)

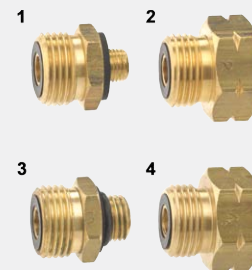
KLF M x W21.8 x 1/14 lh F

69 735 07

Accessories

Counter-seal for adapters 1 and 4

09 735 25



Euro set CH/FR Professional

for connecting a pressure regulator with a Shell-F connection to gas cylinders with common European connections

consisting of: EuroTool in toolbox with 3 exchangeable inserts and adapters FR1 to 4 from Euro set CH/FR

Advantages and equipment

- just one tool with three different exchangeable inserts, suitable for European cylinder connections
- simple and safe exchangeable system
- toolbox (H/W/D: 235 x 185 x 48 mm)
- adapter FR1: Italy, Switzerland (Shell-F M x M10 x 1 M)
- adapter FR2: Greece, Italy, Austria, Slovenia (Shell-F M x Ital.A F)
- adapter FR3: UK, Finland, Iceland, Norway, Portugal, Sweden (Shell-F M x Primus M)
- adapter FR4: Germany, UK, Ireland, Croatia, Latvia, Luxembourg, Macedonia, Montenegro, Netherlands, Switzerland, Serbia, Slovakia, Slovenia, Spain, Czech Republic (Shell-F M x W21.8 x 1/14 lh F)

Technical data

- material: EuroTool: special polyamide with glass fibre reinforcement (developed for tools)
- exchangeable inserts: special polyamide with glass fibre reinforcement (developed for tools)
- adapter: brass

Euro set CH/FR Professional

in toolbox

complete

69 739 10





Euro set CH/FR

for connecting a pressure regulator with a Shell-F connection to gas cylinders with common European connections

Euro set CH/FR

consisting of adapters FR1 to FR4

69 739 00

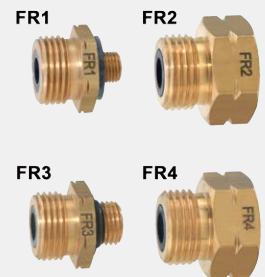


Individual nozzle

Adapter FR4: Germany, UK, Ireland, Croatia, Latvia, Luxembourg, Macedonia, Montenegro, Netherlands, Austria, Poland, Russia, Serbia, Slovakia, Slovenia, Spain, Czech Republic

Shell-F M x W21.8 x 1/14 lh F

69 739 04



Leak detector spray

allows safe and reliable leak detection in pipe systems

Conformity

- DIN DVGW [German Association of Gas and Water] type test certificate

Note

- Because of the German Hazardous Goods Ordinance, we can only deliver the following number of items per package:
Leak detector spray 125 ml / 72 cans
Leak detector spray 400 ml / 24 cans
For larger quantities despatched by mail, shipping costs increase in accordance with the number of packages.
- Foam-forming means for leak detection pursuant to EN 14291.
- Please only store upright.
- Please note the safety data sheet

Leak detector spray

spray can 125 ml

spray can 400 ml

62 601 00



02 601 00



Leak detector spray, frostproof

allows safe and reliable leak detection in pipe systems, including at low temperatures

Advantages and equipment

- can be used to -15 °C

Conformity

- DIN DVGW [German Association of Gas and Water] type test certificate

Note

- Because of the German Hazardous Goods Ordinance, we can only deliver the following number of items per package:
Leak detector spray 400 ml / 24 cans
For larger quantities despatched by mail, shipping costs increase in accordance with the number of packages.
- Foam-forming means for leak detection pursuant to EN 14291.
- Please only store upright.
- Please note the safety data sheet

Leak detector spray, frostproof

spray can 400 ml

02 602 00



-15 °C





Locking screw

as a secure cover to protect against damage or contamination of the inlet connector of pressure regulators or high pressure hose assemblies

useful if the connection between the gas cylinders and fittings is disconnected or the gas system is at a standstill for a long period of time

Advantages and equipment

- with fastening clip

Technical data

- material: plastic
- male thread: W21.8 x 1/14 lh

Note

- The locking screw must not be used on regulators with a gas non-return valve, such as Caramatic BasicTwo!
- The pressure regulator is not included in the scope of delivery!

Locking screw

for KLF, GF, Kombi and Shell coupling nuts

60 300 92



Sealing nut

as a safe closure to protect against damage or contamination of the inlet connector of pressure regulators

Useful if the connection between the gas cylinders and fittings is disconnected or the gas system is at a standstill for a long period of time.

Advantages and equipment

- with fastening clip
- suitable for automatic changeover valve type AUV or AUV-ND and Caramatic DriveTwo, Caramatic ProTwo and Caramatic SwitchTwo

Technical data

- Material: sealing nut: brass
- Gasket: NBR
- Fastening clip: NBR
- Thread: M20 x 1.5 nut

Note: The pressure regulator is not included in the scope of delivery!

Sealing nut

complete

71 509 30



Test point

for leak testing the piping of LPG systems

Advantages and equipment

- especially suitable for e.g. wall-mounted low pressure regulators according to EN 16129, annex D in leisure vehicles
- if the test point is used, the dismantling of the wall-mounted pressure regulator for the leak testing of the LPG system is not required
- leak tester (for example, part no. 02 611 10) is connected with test adapter
- the inlet to the pressure regulator is blocked via the ball valve

Test point

with coupling nut type M and olive type D-MS

pipe socket 8 x compr. fit. 8
pipe socket 10 x compr. fit. 10

62 618 02

62 618 04



Accessories

Test hose G 1/4 lh nut x adapter for test point x 750 mm

62 618 03



Senso4s PLUS level gauge

with app for smartphones and tablets

Digital level gauge for gas cylinders – e.g. for the use in leisure vehicles or for the gas barbecue, with Bluetooth remote transmission of the measurement and signalling data to a smartphone or tablet.

The level gauge Senso4s PLUS (A) measures the weight of the gas cylinder and transmits this value by Bluetooth to the app (B) which automatically determines the content and provides a consumption forecast.

Advantages and equipment

- simple installation; switch Bluetooth on, place gas cylinder on the adjustable feet of the Senso4s level gauge, measure and read the values in the app
- suitable for common steel, aluminium and plastic gas cylinders with a filling weight up to 16 kg
- Bluetooth connection between Senso4s and the smartphone / tablet
- app menu language in German, English, French, Italian, Spanish and Slovenian
- recording the parameters for the filling and tare weight of the respective gas cylinder
- use of several gas cylinders of different sizes
- after only a short operating time, the app will determine a long-term forecast of the gas consumption
- if there is a Bluetooth connection, the Senso4s PLUS sends the measurement data to the app at an interval of 15 minutes
- battery status display of the level gauge in the app
- thanks to the ATEX certification, Senso4s PLUS can also be used in the gas bottle locker of the leisure vehicle, for example
- Senso4s PLUS is designed specifically for the operation in leisure vehicles - among other things thanks to the movement sensor which interrupts the measurement while driving and thus prevents faulty measurement results

Conformity

- CE marking according to ATEX, EMC and RED

Technical data

- measuring accuracy: $\pm 1 \%$
- protection type: IP44
- supply voltage: 3 type AAA CR03 1,5 V alkaline batteries (not included in the scope of delivery)

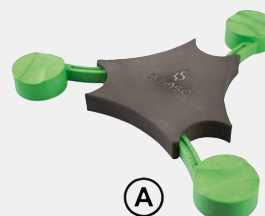
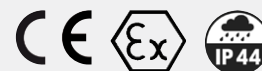
Note

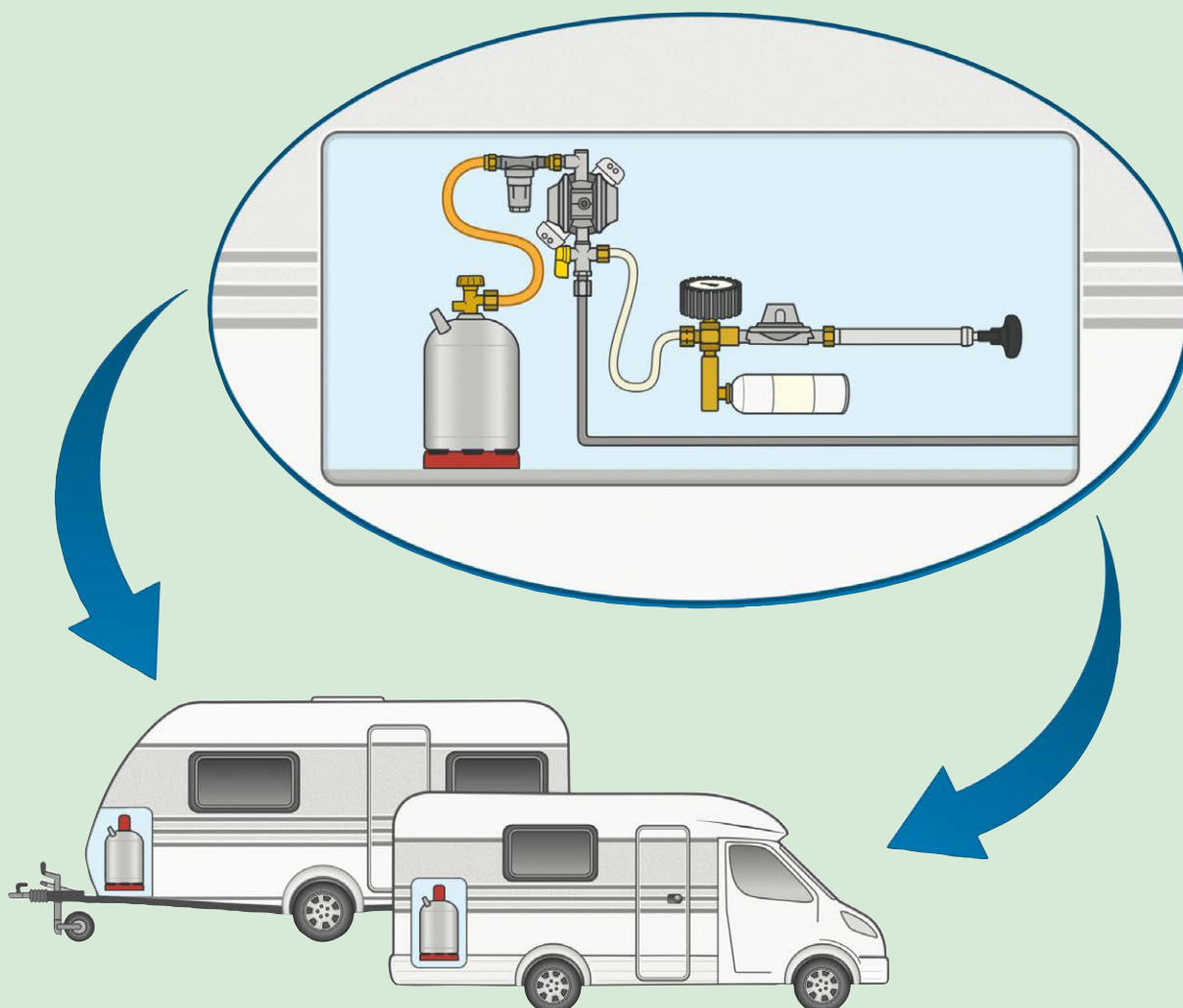
- To ensure an error-free measurement, the Senso4s level gauge must be placed on a flat and firm surface.
- The „Senso4s“ app can be downloaded for free in the Apple App Store or in the Google Play Store for your respective operating system.

Senso4s PLUS level gauge

for gas cylinders

91 902 00





Check for leaks by qualified persons

LPG systems in vehicles are subjected to dynamic loads during driving.

GOK has developed a high-quality leak tester for qualified persons to checking for leaks. For vehicles with a line volume of less than 700 cm³, the tester can make use of an additional volume.

With this test device leak-tightness can be checked in accordance with the requirements of EN 1949 and DVGW worksheet G 607.



Test device Leak Check LPG BASIC

with all the necessary assembly parts for leak testing in LPG systems in recreational vehicles according to DVGW worksheet G 607, ÖVGW worksheet G 107 and EN 1949 and in small water crafts according to DVGW worksheet G 608 and EN ISO 10239.

consisting of:

- 1 x leak tester type 150 with pressure limiter
- 1 x test hose for test point
- 1 x medium pressure hose assembly for LPG lines
- 1 x hand grip for the test point
- 1 x stainless steel plug-in fitting STN x pipe socket 8 to connect the test device to the quick coupler SKU
- 1 x straight reducer insert type RED pipe socket 8 x compr. fit 10
- 10 x gaskets for outlet nozzle G 1/4 lh M
- 1 x leak detector spray can 125 ml (please note the safety data sheet)
- 1 x MiniTool to connect and loosen small cylinder regulators
- 1 x double open-end spanner in each of the following sizes: 10/11; 12/13; 14/15; 17/19 and 20/22
- 1 x system case with carrying strap

Advantages and equipment

- all necessary parts for testing and assembly in one system case
- efficiently arranged compartments with protective insert
- system case (H/W/D: approx. 105 x 396 x 296 mm) made from high-quality ABS plastic
- the system case is combinable, stackable and connectible e.g. with the camping and caravan or marine assembly case

Test device Leak Check LPG BASIC for caravan and marine

complete

27 100 00

Accessories

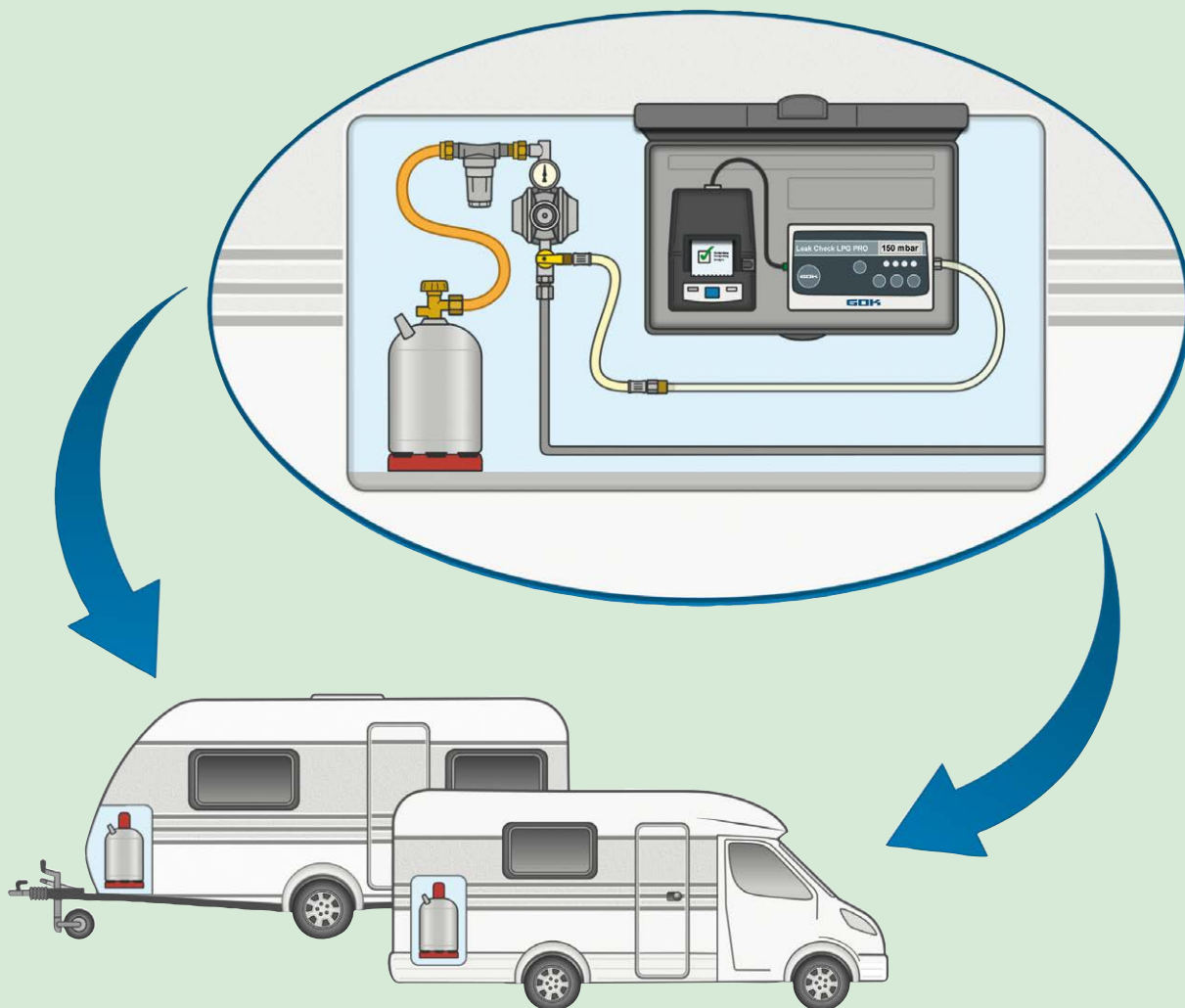
Retrofit kit for additional volume vessel 600 cm³

02 611 06

Camping and caravan assembly case

27 120 00





Checking for leaks of the next generation

With the electronic leak testing Leak Check LPG PRO, checking for leaks in leisure vehicles couldn't be simpler.

The electronic leak testing Leak Check LPG PRO checks for leaks in the LPG system automatically and with no further effort. The printer that is part of the test device can be used to document the test result, which can be attached to the test certificate. All components are arranged efficiently in the system case.



Electronic leak testing Leak Check LPG PRO

with all the necessary assembly parts for leak testing in LPG systems in recreational vehicles according to DVGW worksheet G 607, ÖVGW worksheet G 107 and EN 1949 and in small water crafts according to DVGW worksheet G 608 and EN ISO 10239.

When the Leak Check LPG PRO is connected to the supply line using the included common fitting, it checks for leaks automatically. After a positive check, a log with the test result is printed, which can be attached to the test certificate of the LPG system. If there is a leak in the supply line, the pump can generate the test pressure continuously, which considerably simplifies searching for the leak.

consisting of:

- 1 x Leak Check LPG PRO including mains adapter and rechargeable battery
- 1 x printer with connection cable and spare paper roll
- 1 x connection hose for test point G 1/4 lh M
- 1 x test hose G 1/4 lh nut x adapter for test point x 750 mm
- 1 x medium pressure hose assembly for LPG lines
- 1 x additional volume vessel 600 cm³
- 1 x hand grip for the test point
- 1 x plug-in fitting STN x pipe socket 8 to connect to quick coupler SKU
- 1 x straight reducer insert type RED pipe socket 8 x compr. fit 10
- 2 x adapters for all common test connections
- 10 x gaskets for outlet nozzle G 1/4 lh M
- 1 x MiniTool to connect and disconnect small cylinder regulators
- 1 x double open-end spanner in each of the following sizes: 10/11; 12/13; 14/15; 17/19 and 20/22
- 1 x system case

Advantages and equipment

- clear operating panel for easy handling
- all necessary parts for testing and assembly in one system case
- efficiently arranged compartments with protective insert
- system case (H/W/D: approx. 230 x 508 x 296 mm) made from high-quality ABS plastic
- the system case is combinable, stackable and connectible e.g. with the camping and caravan or marine assembly case
- self-contained with an efficient rechargeable battery
- test result printed out (long-life paper – keeps up to 10 years, approx. 35 printouts possible per paper roll)
- continuous pump function for leak detection
- automatic zero-point correction when it is switched on

Technical data

- measurement range: 0 to 200 mbar
- pressure resistance: 1000 mbar
- measuring accuracy: ± 2 mbar (in the measurement range 140 to 160 mbar)

Electronic leak testing Leak Check LPG PRO for caravan and marine

with leak detector spray can 125 ml (please note the safety data sheet)

27 105 00

Spare parts

Spare paper roll Longlife / cont. 5 units

27 107 25

Spare paper roll Longlife / cont. 100 units

27 107 26

Accessories

Calibration of the leak testing

58 803 00





Electronic pressure regulator test device – Regulator Check LPG PRO

to check the pressure and function of pressure regulators in leisure vehicles and small water crafts consisting of: electronic test device in transport case, test hose, adapter for testing pressure regulators with compression fitting 8 at the outlet, adapter for testing pressure regulators with test valve and transparent ventilation hose

Advantages and equipment

- control of flow and closing pressure of low pressure regulators
- safe discharge of LPG to the outside by means of a transparent ventilation hose
- no uncontrolled escape of gas through self-closing test valve
- battery-operated test device incl. USB-C interface for charging the appliance
- menu language and display in German and English

Conformity

- CE marking according to EMC

Technical data

- test range: low pressure 0 to 160 mbar

Electronic pressure regulator test device – Regulator Check LPG PRO for caravan and marine

complete

27 130 00

Spare part

Adapter G 1/4 lh M x pipe socket 8

14 040 00





Leak tester type 150Z

to check for leaks in LPG systems in recreational vehicles according to DVGW worksheet G 607, ÖVGW worksheet G 107 and EN 1949 and in small water crafts according to DVGW worksheet G 608 and EN ISO 10239.

consisting of: pressure limiter, test pressure gauge 0 to 250 mbar quality class 1.0 (pressure resistant to 2.5 bar), hand pump, plastic case and additional volume vessel 600 cm³

Advantages and equipment

- for vehicles with a line test volume of less than 700 cm³ the test can be carried out with the additional volume of 600 cm³
- pressure limiter prevents damage to the pressure gauge

Leak tester type 150Z

complete

02 611 10

Spare parts

Test pressure gauge 0-250 mbar, quality class 1.0

62 616 00



Pressure gauge gasket

55 211 60

Additional volume vessel 600 cm³

02 611 40

Gasket for additional volume

02 611 27

Gasket for outlet nozzle G 1/4 lh M on the leak tester

02 600 59

Set consisting of: fitting G 1/4 lh F x G 3/8 lh M and G 1/4 lh F x G 1/2 lh M brass

02 617 22

Accessories

Test hose G 1/4 lh nut x adapter for test point x 750 mm

02 618 06



Leak tester type 150

to check for leaks in LPG systems in recreational vehicles according to DVGW worksheet G 607, ÖVGW worksheet G 107 and EN 1949 and in small water crafts according to DVGW worksheet G 608 and EN ISO 10239.

consisting of: pressure limiter, test pressure gauge 0 to 250 mbar quality class 1.0 (pressure resistant to 2.5 bar), hand pump, transport bag and two fittings G 1/4 lh F x G 3/8 lh M and G 1/4 lh F x G 1/2 lh M

Advantages and equipment

- pressure limiter prevents damage to the pressure gauge

Leak tester type 150

with hand pump and transport bag

02 611 00

Spare parts

Test pressure gauge 0-250 mbar, quality class 1.0

62 616 00



Pressure gauge gasket

55 211 60

Gasket for outlet nozzle G 1/4 lh M on the leak tester

02 600 59

Set consisting of: fitting G 1/4 lh F x G 3/8 lh M and G 1/4 lh F x G 1/2 lh M brass

02 617 22

Accessories

Test hose G 1/4 lh nut x adapter for test point x 750 mm

02 618 06

Retrofit kit for additional volume vessel 600 cm³

02 611 06

Additional volume vessel 600 cm³

02 611 40

Gasket for additional volume

02 611 27

Leak detector spray can 125 ml (please note the safety data sheet)

02 601 01





Function check set

for a simple and fast function check in LPG systems in recreational vehicles according to DVGW worksheet G 607, ÖVGW worksheet G 107 and EN 1949 and in small water crafts according to DVGW worksheet G 608 and EN ISO 10239.

Following the final assembly of the LPG systems at the vehicle manufacturer, the function of the gas equipment as well as the function of the installed low pressure regulator can be checked in one operation. consisting of: medium pressure regulator type M50-F/SBS KLF x G 3/8 lh M, 2.0 bar, 2 kg/h with 35° outlet and integrated excess flow valve (EFV) with manual opening, medium pressure hose assembly (rubber with textile lining; cold resistant up to -30 °C; hose dimensions 6.3 x 3.5 mm) G 3/8 lh nut x quick coupler type DKG x 2000 mm, Euro filling set D (consisting of filling adapters D1 to D4), plug-in fitting type D1, plug-in fitting x KLF M, plug-in fitting type D1, plug-in fitting x Brit.POL F, plug-in fitting type D1, plug-in fitting x Chin.POL F

Advantages and equipment

- country-specific inlet connectors on the low pressure regulator can be connected to the check set using the adapters (plug-in fitting or Euro filling set D) included in the scope of delivery
- excess flow device prevents gas escape in case of damage or if the hose assembly becomes detached, and blocks the gas flow, as soon as the nominal flow rate is exceeded by 10 %

Function check set
caravan and marine
complete

27 101 00

Spare parts

Medium pressure hose assembly rubber PS 10 bar, hose dimensions 6.3 x 3.5 mm, **27 101 04**
G 3/8 lh nut x quick coupler x 2000 mm
Euro filling set D, consisting of filling adapters D1 to D4 **09 738 00**
Plug-in fitting type D1 plug-in fitting x KLF M **27 101 01**
Plug-in fitting type D1, plug-in fitting x Chin.POL F **27 101 03**





Camping and caravan assembly case

containing all the necessary components and spare parts for assembly and maintenance work on LPG systems in motorhomes and caravans according to DVGW worksheet G 607, ÖVGW worksheet G 107 and EN 1949

consisting of:

- 15 x straight compression fitting, type G 8 mm
- 5 x straight compression fitting, type G 10 mm
- 15 x elbow compression fitting, type W 8 mm
- 5 x elbow compression fitting, type W 10 mm
- 5 x T-shape compression fitting, each types T 8 and 10 mm
- 4 x straight reducing compression fitting, type GR 10 x 8 mm
- 4 x straight bulkhead compression fitting, type SV 8 mm
- 5 x elbow bulkhead compression fitting, type WSV 8 mm
- 15 x coupling nut, type M 8 mm
- 10 x coupling nut, type M 10 mm
- 40 x olive type D 8 mm
- 10 x olive type D 10 mm
- 10 x blind plug for distributor valve, each 8 and 10 mm
- 20 x metal pipe clamp with rubber profile, each 8 and 10 mm
- 1 x pre-assembly socket type VOMO, each 8 and 10 mm
- 5 x protective cap for test point
- 1 x system case

Advantages and equipment

- all the components that you need for assembly and maintenance, arranged neatly in one system case
- efficiently arranged compartments
- system case (H/W/D: approx. 82 x 396 x 296 mm) made from high-quality ABS plastic
- the system case is combinable, stackable and connectible e.g. with the test devices Leak Check LPG PRO and BASIC as well as the marine assembly case

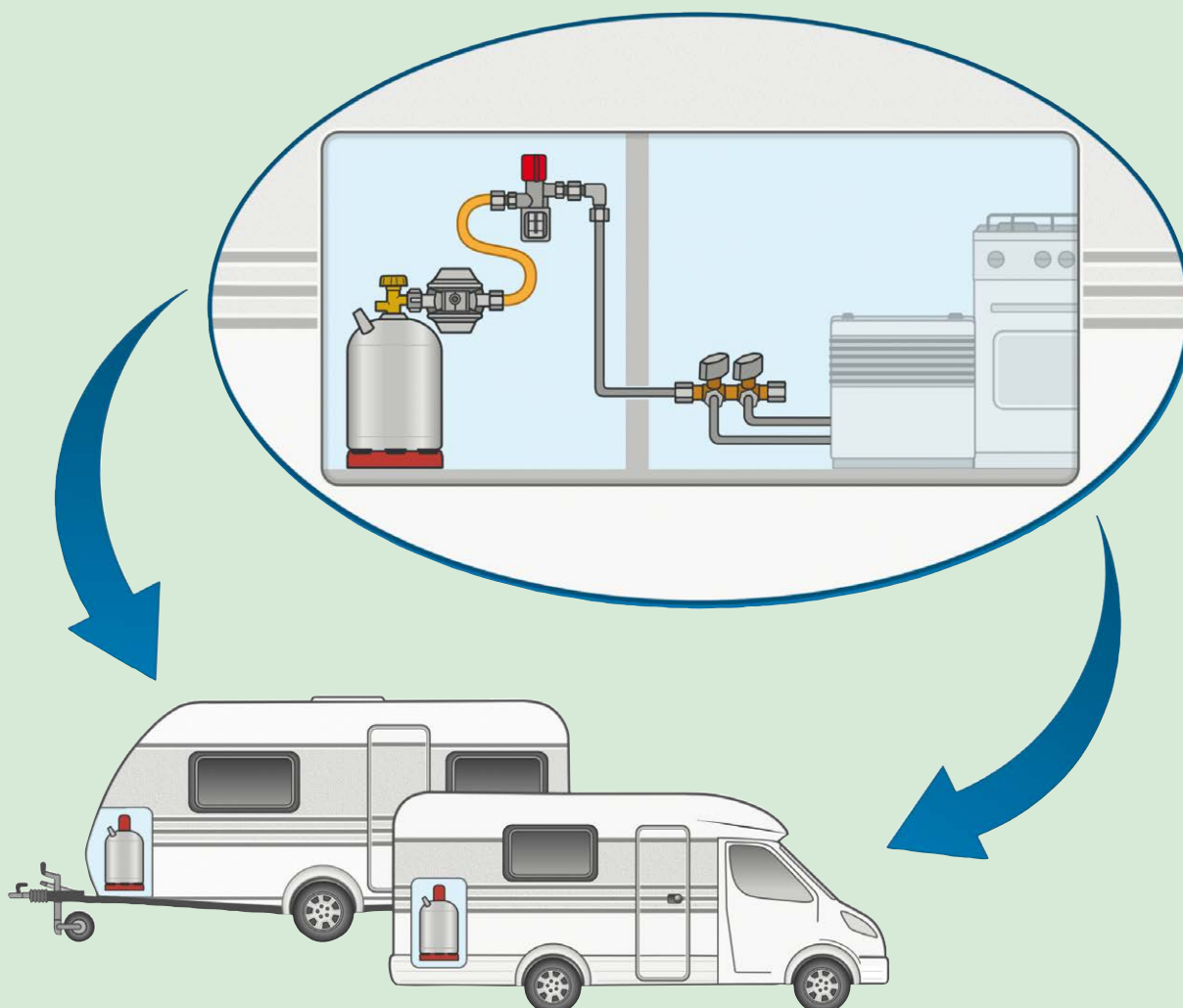
Camping and caravan assembly case for LPG systems in leisure vehicles

complete 27 120 00

Accessories

Electronic test device Leak Check LPG PRO	27 105 00
Test device Leak Check LPG BASIC	27 100 00
Marine assembly case	27 110 00





Checking for leaks by the operator

Regular checking for leaks by the operator increases the safety of the LPG system.

With the leak tester, the system can be checked at any time with the push of a button.

A special glycol mixture allows you to check for leaks at temperatures below zero.

The subsequent installation is possible without difficulty.



Leak tester type 4071

enables quick and sound leak testing of the LPG system at any time at the press of a button

Advantages and equipment

- with fixing screws
- with reinforcement rings
- including glycol mixture to check also at temperatures below freezing
- bubbles can be seen in the inspection glass if there is a leak in the LPG system

Technical data

- maximum working pressure: 2 bar
- pressure loss: < 1 mbar

Note

- Can be installed in all low pressure LPG systems in motorhomes and caravans!

Leak tester type 4071

straight outlet

compression fitting x compression fitting

with coupling nut type M and olive type D-MS

compr. fit. 10 x compr. fit. 10

02 004 63

90° outlet

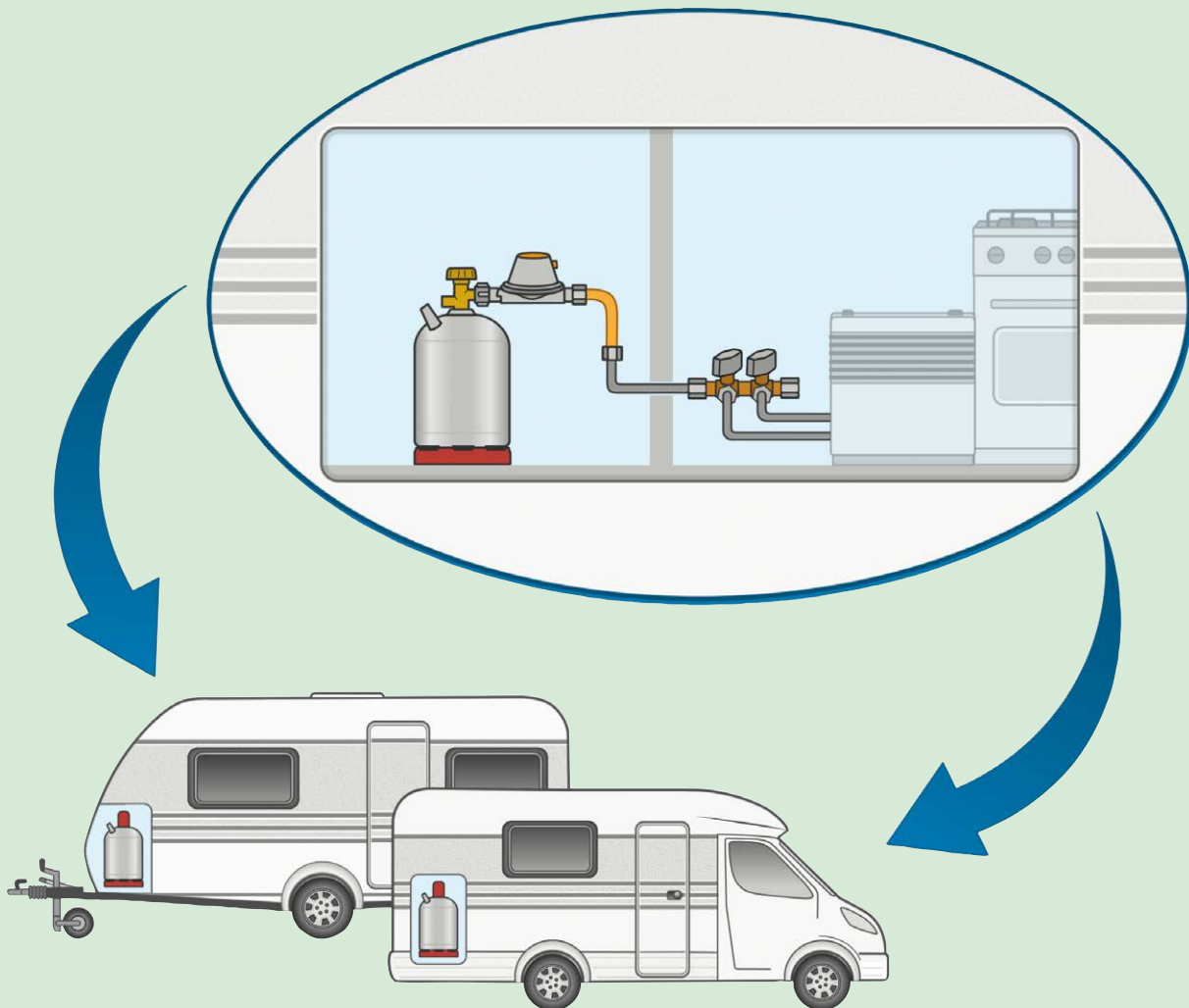
pipe socket x compression fitting

with coupling nut type M and olive type D-MS

pipe socket 8 x compr. fit 8

62 004 02





Care and maintenance of LPG installations

All LPG systems in vehicles must be checked regularly according to DVGW worksheet G 607. Pressure regulators and hose assemblies have to be replaced after 10 years at the latest.

The vehicle owner must not retrofit older LPG installations in vehicles with a working pressure of 50 mbar to 30 mbar – the status quo is to be preserved.



Caramatic BasicOne type EN61

for connection to gas cylinders to regulate the pressure to the nominal pressure of the gas equipment

Advantages and equipment

- with pressure relief valve PRV
- vent plug that also prevents moisture, such as rainwater, getting inside the regulator
- version with extended inlet connector, 90° outlet suitable for VW camper vans with Westfalia fit-out

Conformity

- EC type examination certificate PED
- EC type examination certificate GAR
- UKCA type examination certificate GAR

Technical data

- maximum admissible pressure: 16 bar

Caramatic BasicOne type EN61

straight outlet

with pressure gauge

KLF	x	G 1/4 lh M	50 mbar	1.5 kg/h	61 113 03	
Shell-F	x	G 1/4 lh M	50 mbar	1.5 kg/h	61 113 12	

without pressure gauge

KLF	x	G 1/4 lh M	50 mbar	1.5 kg/h	61 113 00	
Shell-F	x	G 1/4 lh M	50 mbar	1.5 kg/h	61 113 11	

90° outlet

with pressure gauge

KLF	x	G 1/4 lh M	50 mbar	0.8 kg/h	01 113 43	
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without pressure gauge

KLF	x	G 1/4 lh M	50 mbar	0.8 kg/h	61 113 25	
Shell F	x	G 1/4 lh M	50 mbar	0.8 kg/h	61 113 27	

with extended inlet connector, 90° outlet

without pressure gauge

KLF	x	G 1/4 lh M	50 mbar	0.8 kg/h	61 113 13	
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Medium pressure rubber hose assembly

to connect fittings, consumer equipment and piping

Conformity

- DVGW [German Association of Gas and Water] type test certificate

Technical data

- maximum admissible pressure: PS 10 bar
- hose: **rubber with textile lining**
- cold resistant up to -30 °C

Note

- Our hose assemblies are supplied with a tag and notice of the year of replacement.

Medium pressure hose assembly rubber

hose dimensions 6.3 x 3.5 mm

**connections: coupling nut x compression fitting
with coupling nut type M and olive type D**

G 1/4 lh nut	x	compr. fit	8	x	400 mm
G 1/4 lh nut	x	compr. fit	8	x	450 mm
G 1/4 lh nut	x	compr. fit	8	x	750 mm
G 1/4 lh nut	x	compr. fit	10	x	400 mm
G 1/4 lh nut	x	compr. fit	10	x	750 mm

64 402 00	
64 401 04	
64 405 01	
64 409 00	
64 409 02	

connections: coupling nut x plug-in fitting

G 1/4 lh nut	x	plug-in fitting	x	400 mm
G 1/4 lh nut	x	plug-in fitting	x	800 mm
G 1/4 lh nut	x	plug-in fitting	x	1000 mm
G 1/4 lh nut	x	plug-in fitting	x	1500 mm
G 1/4 lh nut	x	plug-in fitting	x	2000 mm
G 1/4 lh nut	x	plug-in fitting	x	3000 mm
G 1/4 lh nut	x	plug-in fitting	x	5000 mm

64 221 01	
64 222 00	
64 223 00	
64 224 00	
64 225 00	
64 227 01	
64 227 00	

Other versions, connections or dimensions on request.

Medium pressure hose assembly plastic

to connect fittings, consumer equipment and piping

Conformity

- DVGW [German Association of Gas and Water] type test certificate

Technical data

- maximum admissible pressure: PS 10 bar
- hose: **plastic with textile lining**

Note

- Our hose assemblies are supplied with a tag and notice of the year of replacement.

Medium pressure hose assembly plastic

hose dimensions 6.3 x 3.5 mm

**connections: coupling nut x compression fitting
with coupling nut type M and olive type D**

G 1/4 lh nut	x	compr. fit.	8	x	400 mm
G 1/4 lh nut	x	compr. fit.	10	x	400 mm

64 402 02	
64 409 09	

Other versions, connections or dimensions on request.



-30 °C





Pre-pressure regulator type DE 50/30 S

for safe, compliant integration of 30 mbar gas equipment in 50 mbar LPG systems in vehicles and boats

Advantages and equipment

- including 1 m plastic ventilation line
- easy assembly in the respective appliance line
- integrated bypass bore ensures a leak check to the gas equipment
- ideal if the LPG system is retrofitted or if defective gas equipment is being replaced

Conformity

- EC type examination certificate GAR

Technical data

- maximum admissible pressure: PS 1 bar

Note

- In the German DVGW worksheet G 607 for LPG systems in occupied leisure vehicles and for living purposes in other road vehicles, it is prescribed in the chapter for operation and testing that pressure regulators are to be replaced 10 years after the date of manufacture at the latest. If the working pressure of the system is 30 mbar, pursuant to G 607, a regulator according to EN 16129, annex D (e.g. part no. 01 280 10) is to be used in the event of a replacement. For LPG systems in vehicles with a working pressure of 50 mbar, a non-compliance permit applies. There is no obligation to convert to 30 mbar.

Pre-pressure regulator type DE 50/30 S

with coupling nut type M-MS and olive type D-MS

compr. fit. 8 x compr. fit. 8 30 mbar 0.8 kg/h

71 446 00



Locking screw

as a secure cover to protect against damage or contamination of the inlet connector of pressure regulators or high pressure hose assemblies

useful if the connection between the gas cylinders and fittings is disconnected or the gas system is at a standstill for a long period of time

Advantages and equipment

- with fastening clip

Technical data

- material: plastic
- male thread: W21.8 x 1/14 lh

Note

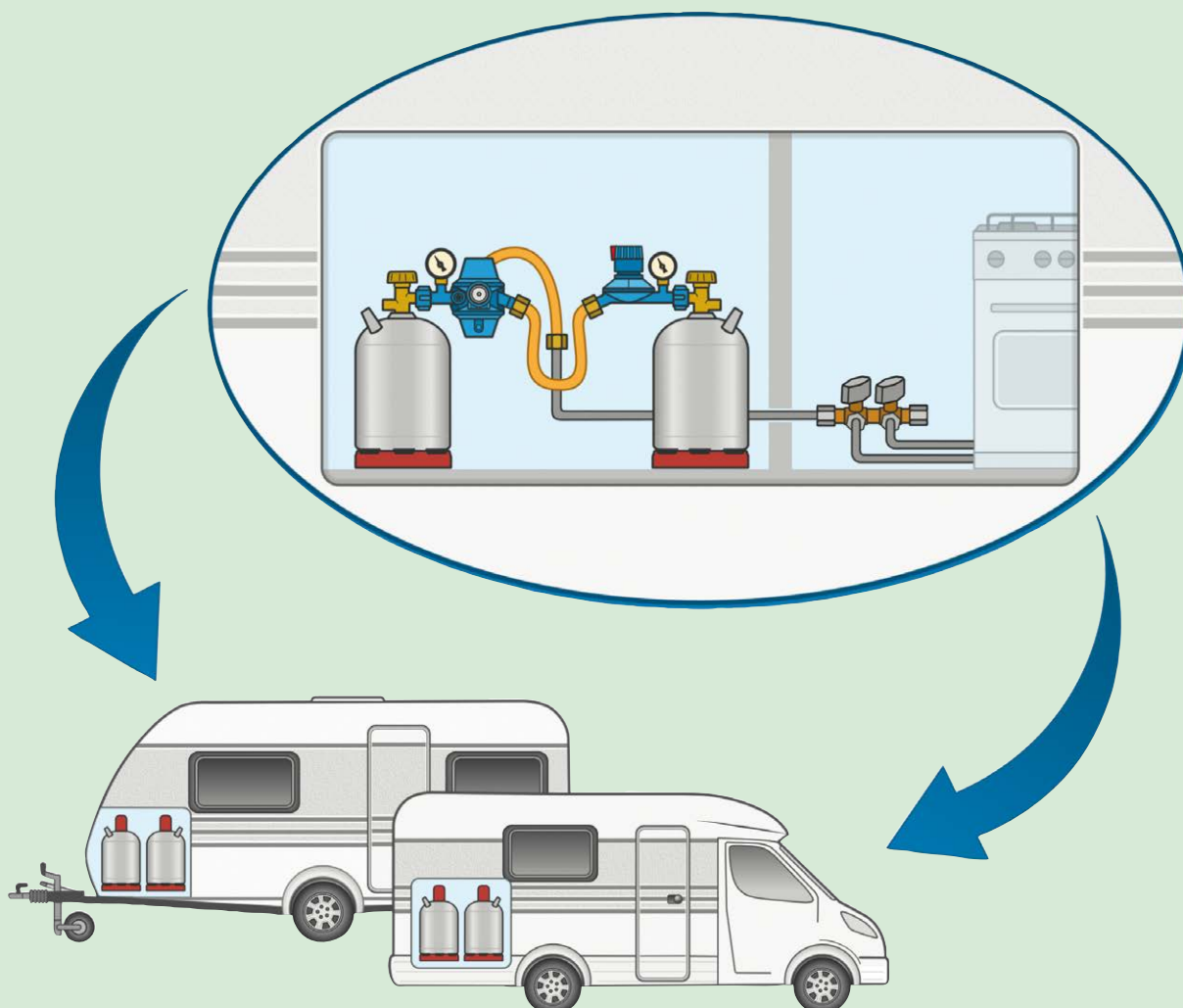
- The locking screw must not be used on regulators with a gas non-return valve, such as Caramatic BasicTwo!
- The pressure regulator is not included in the scope of delivery!

Locking screw

for KLF, GF, Kombi and Shell coupling nuts

60 300 92



**Care and maintenance of LPG installations – two-cylinder system**

If existing two-cylinder systems have to be replaced after 10 years, the automatic changeover system Caramatic is the perfect replacement so as not to lose any of the convenience you are accustomed to.

The set, which consists of a central and changeover regulator, hose assemblies and all connection parts, allows the replacement to take place quickly and without a problem.



Caramatic BasicTwo

automatic regulator changeover, for connection to gas cylinders to regulate the pressure to the nominal pressure of the gas equipment

consisting of: central (A) and changeover regulator (B), pressure gauge and hose assemblies

Advantages and equipment

- with pressure relief valve PRV
- corrosion resistant in accordance with EN 16129, annex M
- fitted with an adapter to connect 10 mm piping
- gas non-return valve: prevents the escape of gas when the cylinder is replaced
- medium pressure hose assembly (rubber with textile lining; cold resistant up to -30 °C; hose dimensions 6.3 x 3.5 mm) G 3/8 lh nut x G 3/8 lh nut x 400 mm to connect the two regulators, brass connections, stainless steel compressive sleeves
- medium pressure hose assembly (rubber with textile lining; cold resistant up to -30 °C; hose dimensions 6.3 x 3.5 mm) G 1/4 lh nut x compr. fit. 8 x 400 mm to connect the system to the piping, brass connections, stainless steel compressive sleeves
- suitable for connection of the remote display Caramatic BasicControl
- combined fitting for optional connection to 5, 11 or 33 kg gas cylinders
- including MiniTool to connect and disconnect regulators

Conformity

- single fittings with DIN-DVGW and/or DVGW [German Association of Gas and Water] type test certificate or EU type examination certificate PED

Technical data

- maximum admissible pressure: PS 16 bar
- connections:
 - inlet: Komb.W
 - outlet: central regulator: G 1/4 lh M
 - changeover regulator: G 3/8 lh M
- outlet pressure: central regulator: 30 or 50 mbar
- changeover regulator: 150 mbar

Note

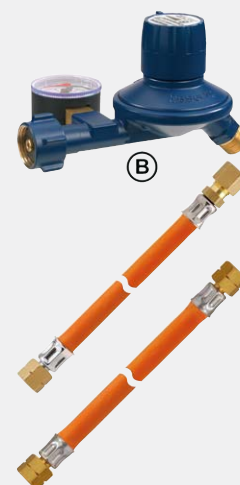
- In the German DVGW worksheet G 607 for LPG systems in occupied leisure vehicles and for living purposes in other road vehicles, it is prescribed in the chapter for operation and testing that pressure regulators are to be replaced 10 years after the date of manufacture at the latest. If the working pressure of the system is 30 mbar, pursuant to G 607, a regulator according to EN 16129, annex D (e.g. part no. 01 280 10) is to be used in the event of a replacement. For LPG systems in vehicles with a working pressure of 50 mbar, a non-compliance permit applies. There is no obligation to convert to 30 mbar.

Caramatic BasicTwo

50 mbar	1.5 kg/h	71 218 01	
30 mbar	1.5 kg/h	71 218 02	

Accessories

medium pressure hose assembly rubber PS 10 bar, hose dimensions 6.3 x 3.5 mm, G 1/4 lh nut x compr. fit. 8 x 400 mm, brass parts	04 440 01	
medium pressure hose assembly rubber PS 10 bar, hose dimensions 6.3 x 3.5 mm, G 3/8 lh nut x G 3/8 lh nut x 400 mm, brass parts	04 504 01	
medium pressure hose assembly rubber PS 10 bar, hose dimensions 6.3 x 3.5 mm, G 1/4 lh nut x compr. fit. 8 x 400 mm, brass parts	64 440 02	
medium pressure hose assembly rubber PS 10 bar, hose dimensions 6.3 x 3.5 mm, G 3/8 lh nut x G 3/8 lh nut x 400 mm, brass parts	64 504 01	
Caramatic BasicControl – Remote display for Caramatic BasicTwo two-cylinder system or Caramatic SafeDrive PLUS	71 392 00	





Caramatic BasicControl

remote display for Caramatic BasicTwo two-cylinder system or Caramatic SafeDrive PLUS

Convenient information and control unit for monitoring of the operating and reserve cylinders of the two-cylinder system Caramatic BasicTwo for motorhomes, caravans and boats or the Caramatic SafeDrive PLUS for motorhomes and caravans.

consisting of: information and control unit including connection cable 6 m, cover frame, pressure and reed sensor for remote display with connection cable 2 m

Advantages and equipment

- remote indication of the operating status (normal or reserve operation) of the gas cylinders
- always know whether and, if so, which of the two gas cylinders is empty and needs to be changed
- can be easily installed in new systems or retrofitted in existing systems
- can be used with the two-cylinder system Caramatic BasicTwo or Caramatic SafeDrive PLUS
- connection of all components by using a plug system, no soldering necessary

Conformity


- CE marking according to ATEX and EMC

Technical data


- supply voltage: 12 V

Caramatic BasicControl


Remote display for Caramatic BasicTwo two-cylinder system or Caramatic SafeDrive PLUS

Information and control unit with pressure and reed sensor for the remote display **71 392 00** 

Spare part

Cover frame, colour: anthracite **71 391 00** 

Accessories

Extension cable 10 m **71 392 01** 



Functions of the safety devices

You can find animations of all the safety devices on our YouTube channel www.youtube.com/c/GOK-ReglerundArmaturen

Crash-Sensor with pendulum

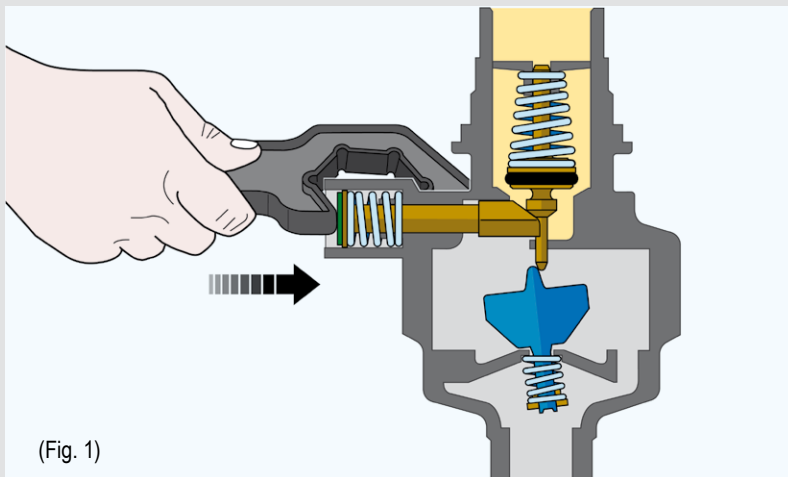


The crash sensor is an automatic safety device and is part of the regulator system. If heaters are operated in leisure vehicles while driving as well, the crash sensor provides protection from uncontrolled escape of LPG, e.g. in the event of a traffic accident.

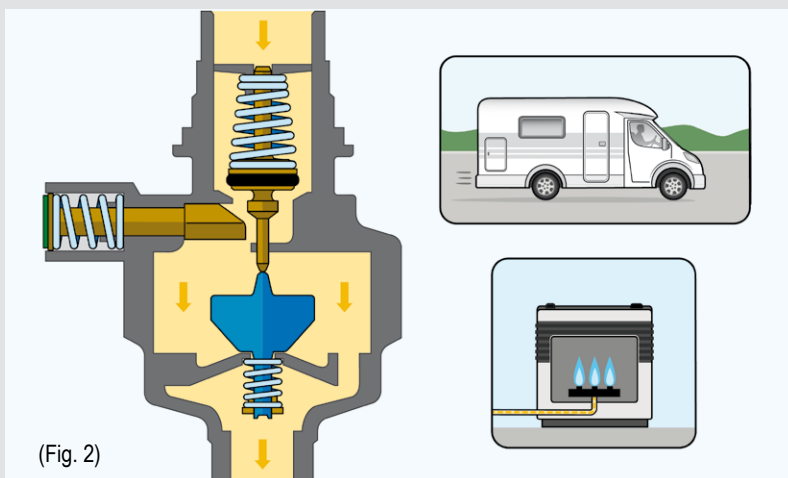
To start up, press the reset button, which opens the spring-loaded sealing unit (**Fig. 1**).

The pendulum swings into its resting position and prevents the sealing unit from closing. This ensures that gas can flow. The reset button is relieved. Heating can now be used safely while driving (**Fig. 2**).

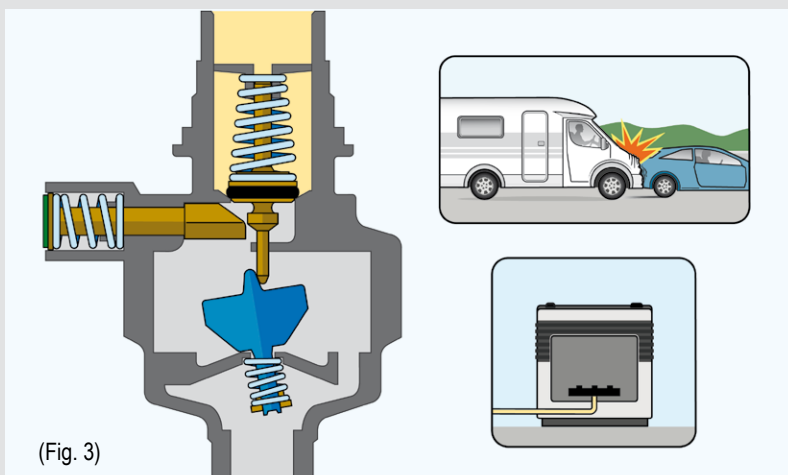
For example, if the leisure vehicle is involved in a traffic accident, the crash sensor directly blocks the gas flow. From a crash speed of about 15 to 20 km/h, the sphere changes its position and releases the spring-loaded sealing unit. The gas flow is closed (**Fig. 3**) and remains in this state until it is opened again manually via the reset button.



(Fig. 1)



(Fig. 2)



(Fig. 3)



For more information, visit the GOK blog at www.gok-blog.de: „What components do I need to operate gas equipment in the caravan and motor caravan while driving?“

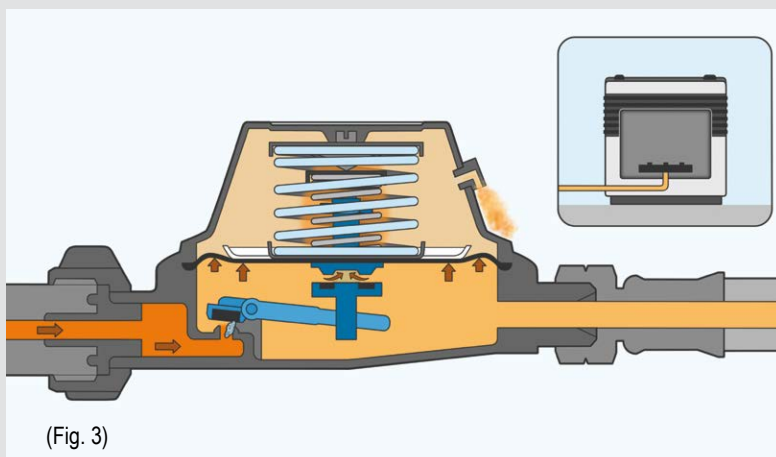
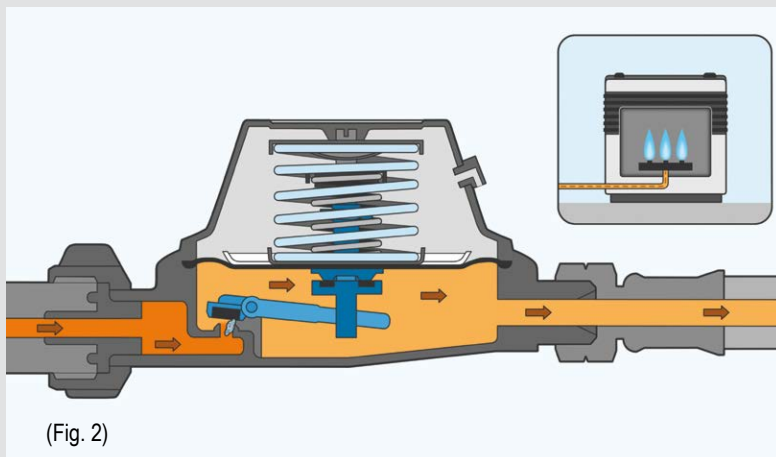
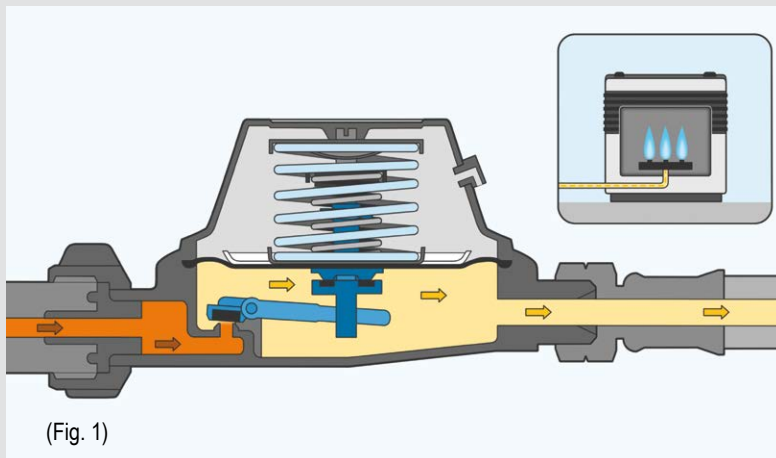
Pressure relief valve PRV

The pressure relief valve PRV is a safety device integrated in the pressure regulator.

It acts automatically and protects the connected consumer equipment against excessive high pressure (**Fig. 1**).

If excessive high pressure occurs at the outlet side, e.g. because of dirt, (**Fig. 2**), the diaphragm is pressed upward. The pressure relief valve opens and blows the excess pressure off to the ambient air (**Fig. 3**).

When the pressure falls, the pressure relief valve PRV closes again automatically.



For more information, visit the GOK blog at www.gok-blog.de: „How does a PRV pressure relief valve work?“

Overpressure safety device S2SR

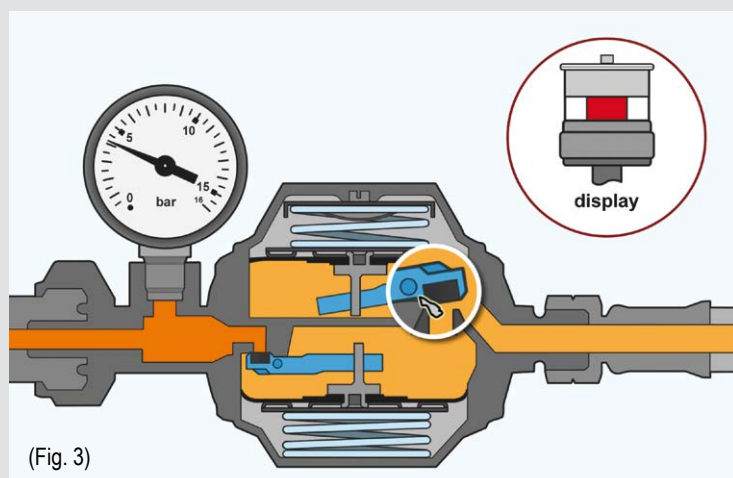
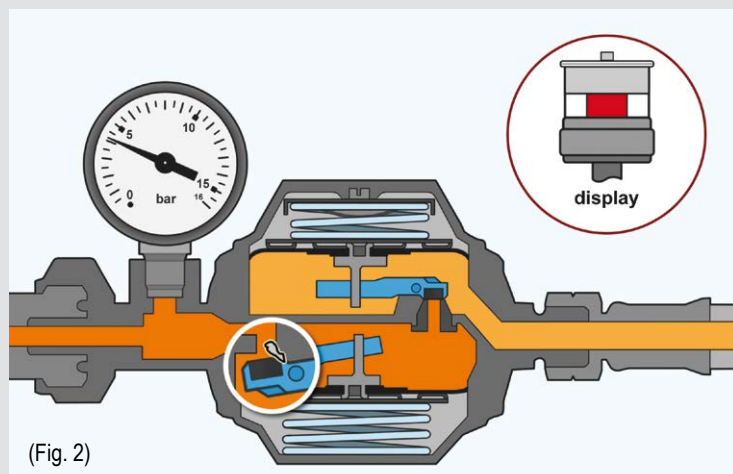
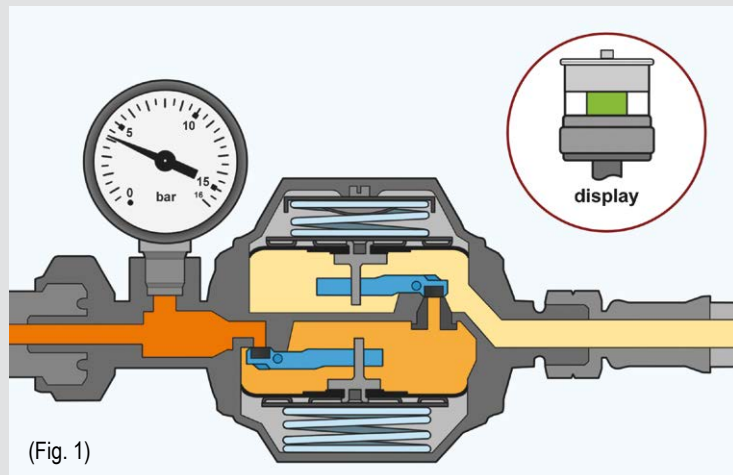
Regulators with an overpressure safety device S2SR are two-stage pressure regulators (**Fig. 1**).

If one of the two regulator stages fails, e.g. because of dirt or other foreign bodies in the valve, the other regulator stage reduces the pressure to maximum 150 mbar. This can be seen by the red field in the visual indicator (**Figs. 2 and 3**).

With the visual indicator users can see when the outlet pressure is above 80 mbar and when the low pressure regulator has to be replaced.



For more information, visit the GOK blog at www.gok-blog.de: „How does an overpressure safety device S2SR work?“



Excess flow valve SBS

The excess flow valve SBS prevents gas from escaping on an uncontrolled basis in the event of hose damage.

Press the control knob to put the excess flow valve SBS into service. This opens the closing taper and the connected hose assembly fills with gas (Fig. 1).

When the pressure has equalised, the closing taper remains open and gas can be consumed (Fig. 2).

If the hose assembly is damaged, the pressure drops suddenly and the closing taper is pressed on to the valve seat. The gas supply is interrupted. Unused gas cannot escape (Fig. 3).

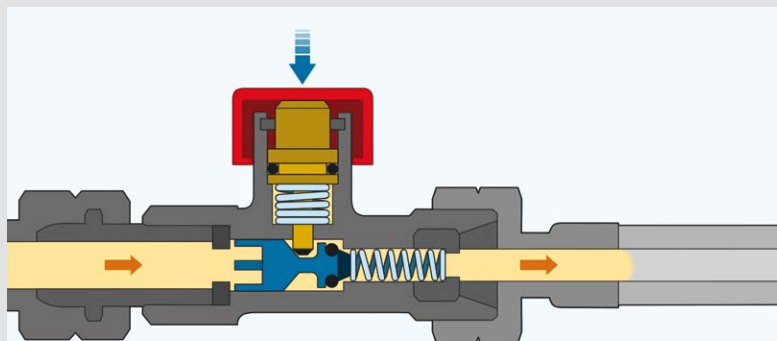
The automatically opening version of the excess flow valve SBS is started up via a pulse bore. The closing taper is opened automatically after the pressure compensation.

An excess flow valve that is integrated in the pressure regulator is an EFV.

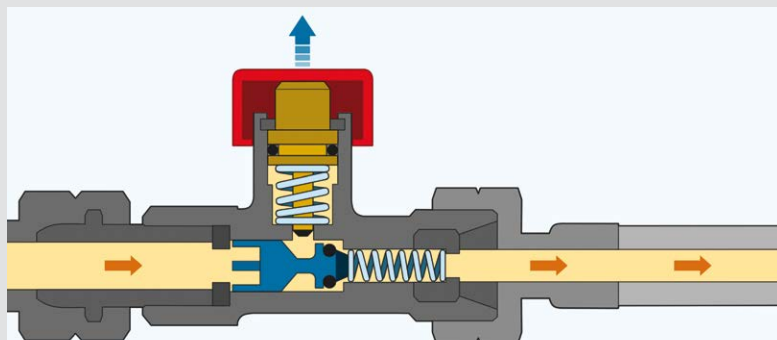
The EFV works in the same way as excess flow valves connected to the pressure regulator.



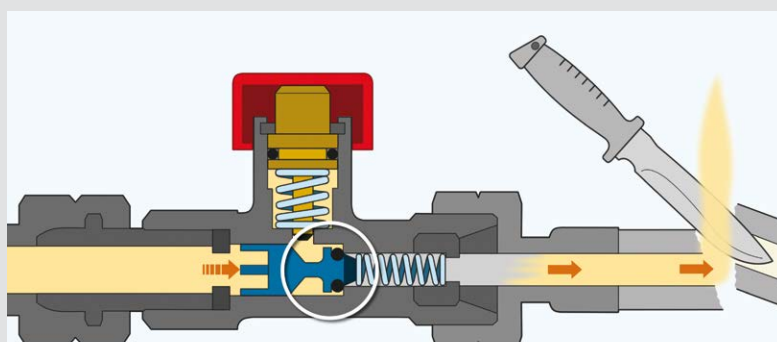
For more information, visit the GOK blog at www.gok-blog.de: „How does an excess flow device work?“



(Fig. 1)



(Fig. 2)



(Fig. 3)

Leak tester type 4071

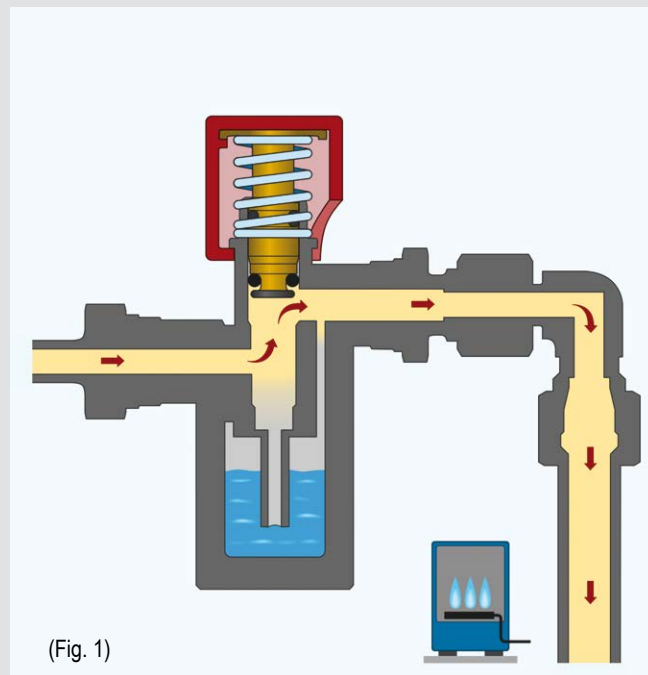


The leak tester enables quick and sound leak testing of the LPG system at any time.

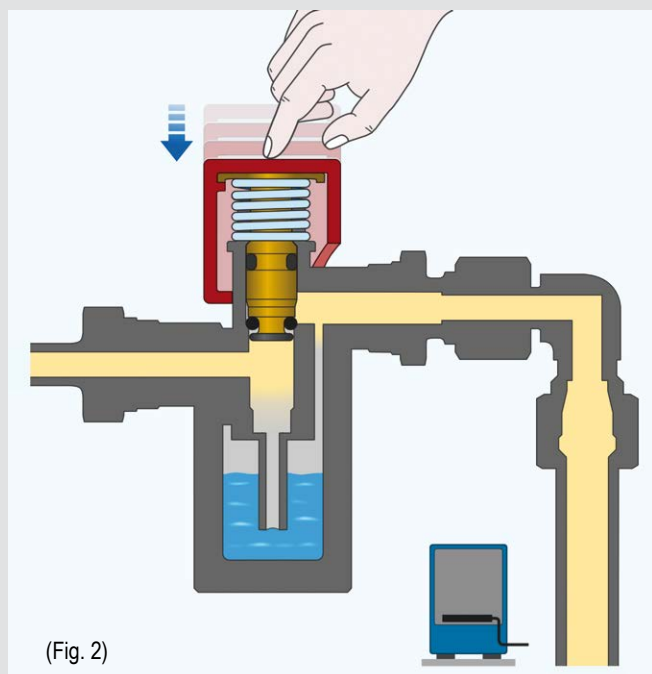
In normal operations, the gas flows through the leak tester without hindrance (**Fig. 1**).

Continuous pressure on the test button blocks the normal gas flow. If the line is tight, no bubbles form in the inspection glass (**Fig. 2**).

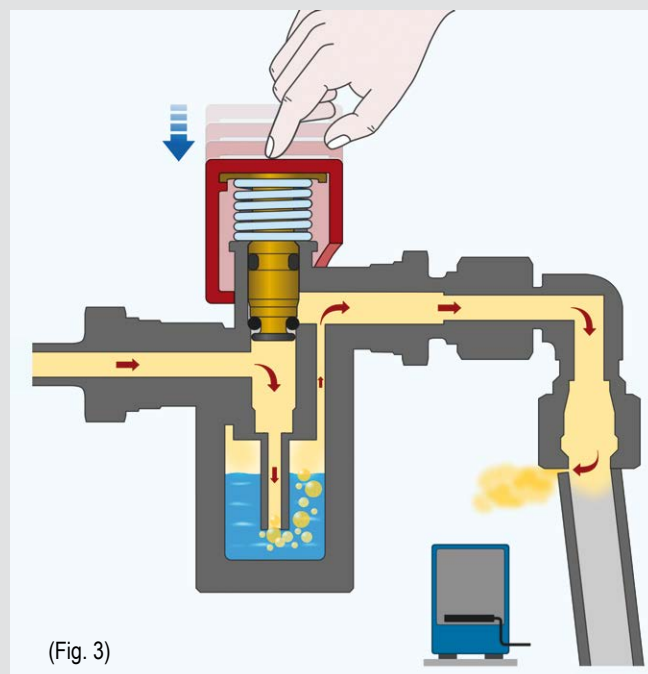
On the other hand, if there is a leak in the line, the gas flows through the vessel with a glycol mixture. Bubbles form in the inspection glass (**Fig. 3**).



(Fig. 1)



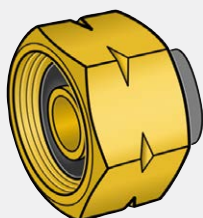
(Fig. 2)



(Fig. 3)

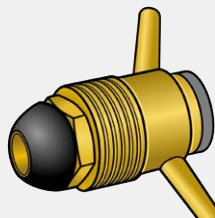
Inlet connectors

Italian connection (Ital.A)



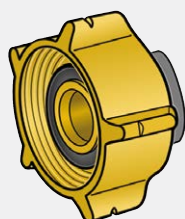
Designation to standard*	G.1
Country #	AT, GR, IT, SI, CY, MT, TR
Material gasket	NBR

Soft POL wing (POL-WF)



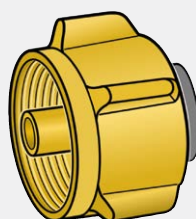
Designation to standard*	G.10
Country #	BE, IS, NO, PT, SE
Material gasket	NBR

FR Shell (Shell-F)



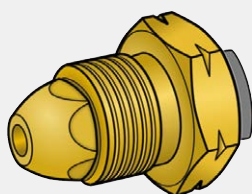
Designation to standard*	G.2
Country #	BE, CH, FR, RU
Material gasket	NBR

Small cylinder (KLF)



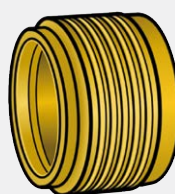
Designation to standard*	G.12
Country #	AT, DE, IS, PL, RU
Material gasket	--

British POL (Brit.POL)



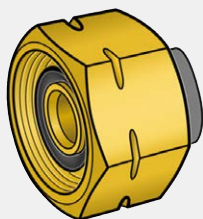
Designation to standard*	G.7
Country #	UK, IE
Material gasket	--

M20 x 1.5 M



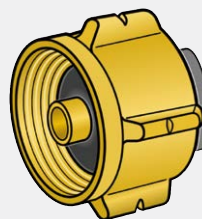
Designation to standard*	G.13
Country #	CH, EU, RU

Shell Butane Nut (EU-Shell)



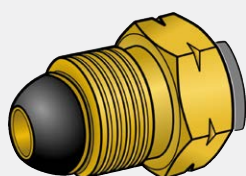
Designation to standard*	G.8
Country #	UK, IE, BE, CZ, DK, HR, HU, SI, SK, NO, ES, NL, RU
Material gasket	NBR

Kombi Soft (Komb.W)



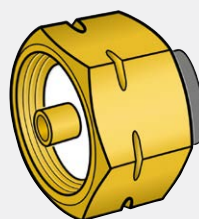
Designation to standard*	G.19
Country #	DE, ES, RU
Material gasket	NBR

Soft POL (POL-WS)



Designation to standard*	G.10
Country #	BE, IS, NO, PT, SE
Material gasket	NBR

Shell Kombi hard (Komb.Shell-H)



Designation to standard*	X.3
Country #	RU
Material gasket	PA

*Designation according to EN 16129 annex G and EN 15202 / **Designation GOK factory standard

Common gas cylinder connection in the countries listed

Outlet connectors

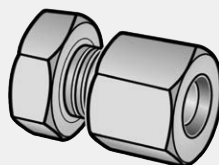
M20 x 1.5 M



Designation to standard* H.1

Country CH, EU, RU

Compression fitting



Designation to standard* H.8

Country International

Ball-cone connector



Designation to standard* H.4, H.6, H.5

Country AT, CH, CZ, DE, PL, RU, SI

*Designation according to EN 16129 annex H

Maintenance and inspection

Technical rules define the test intervals and content of the tests for all LPG systems in leisure vehicles. In Germany, the worksheet G 607 (A) issued by the German Technical and Scientific Association for Gas and Water (DVGW) applies.

Inspecting the LPG system

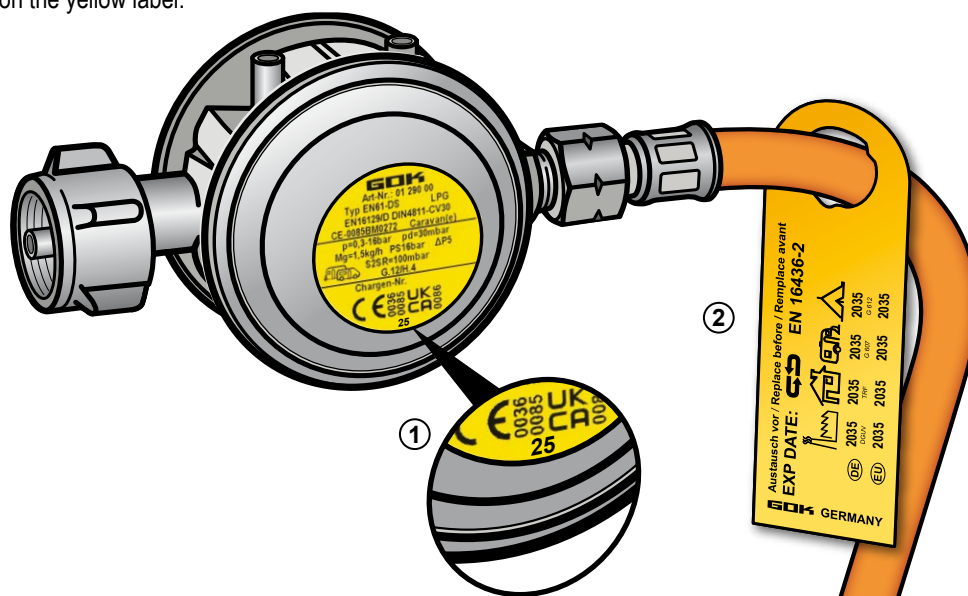
- Each LPG system is to be inspected by a qualified person.
- The first inspection is carried out before start-up by a qualified person for compliance with EN 1949 in conjunction with worksheet G 607 (A) and is usually carried out by the manufacturer.
- The next inspection should be carried out by a qualified person 24 months after the initial inspection.
- The condition of the LPG system must be recorded in an test certificate. If no defects are found, the system can be kept in use and an inspection plate is issued.

Replacement deadline for system components

- Pressure regulators, automatic changeover systems and hose assemblies have to be replaced every 10 years at the latest.
- The date of manufacture printed on the fittings and hose assemblies is what matters, not the date of installation or the start-up date.
- In the case of pressure regulators, the date in question is printed on the type label. ① There are three basic formats for specifying the date of manufacture:
 - a) **xx.xx** – In this format, the first two numbers indicate the month of manufacture, the following two the year. The abbreviation 08.20 means that the pressure regulator was manufactured in August 2020.
 - b) **xxxx** – Four digits, not separated by a dot, indicate the year of manufacture. The 2023 imprint at the lower end of the type plate means that the pressure regulator was manufactured in 2023.
 - c) **xx** – Since the end of 2024 and beginning of 2025, only two digits are left on the type plates. A 25 on the type plate of the pressure regulator is equivalent to the year 2025.
- GOK offers a special service for hose assemblies. They have a yellow label ② showing the year in which the hose assembly should be replaced in relation to the field of application. If the yellow label is torn or no longer attached, the year of manufacture is also printed on the hose assembly.

Replacement period

Date of manufacture on the type label of the pressure regulator and year of replacement of the hose assembly on the yellow label.



Checking for leaks when replacing cylinders

For your safety, each time you replace or connect a cylinder check the connection between the gas cylinder valve and the pressure regulator ③ or high pressure hose assembly with a foaming agent (e.g. leak detector spray) for leak-tightness. Alternatively, in the case of suitably equipped pressure regulators, you can use the pressure gauge in the inlet for leak testing.

Checking for leaks in pressure regulators without pressure gauge

1. Close all shut-off fittings on the consumer equipment.
2. Slowly open the gas cylinder valve.
3. Spray all connections with foaming agent according to EN 14291 (e.g. leak detector spray, part no. 02 601 00).
4. Do not use an open flame for leak testing!
5. Check the leak-tightness by seeing whether bubbles form in the foaming agent.
6. If bubbles form continuously, do not start the LPG system. Find and rectify the cause of the leak. This should be carried out by a qualified person.

Checking for leaks in pressure regulators with pressure gauge

Note: The complete LPG system is tested up to the shut-off fittings.

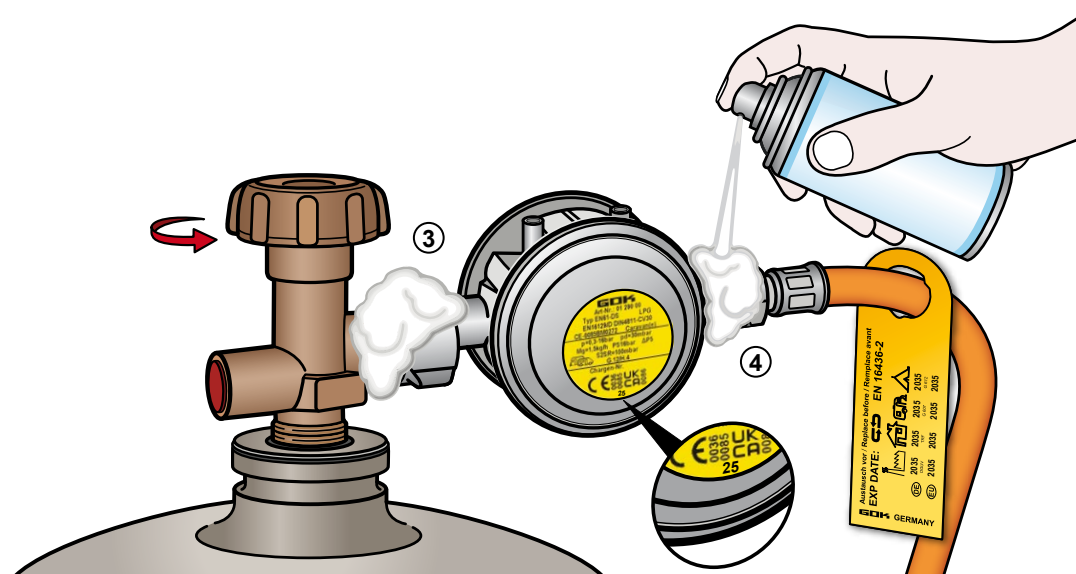
1. Close all shut-off fittings on the consumer equipment.
2. Slowly open the gas cylinder valve.
3. **For pressure gauges with no red pointer:**
Mark the position of the black pointer (shows the current cylinder pressure).
- Pressure gauge with red pointer:**
Turn the red pointer to the exact position of the black pointer to mark the current cylinder pressure.
4. Close the gas cylinder valve.
Waiting time: 2 minutes to allow temperature equalisation.
5. Adjust the marking or the red pointer if necessary.
Testing time: 10 minutes.
6. The gas pressure must not decrease during the testing time. If the pressure decreases, the entire LPG system must be checked for leaks.

Note:

All other detachable connections (e.g. the hose connection at the outlet of the pressure regulator ④, compression fittings in the piping) should also be checked for leak-tightness (e.g. with a foaming agent) before each use.

Check for leaks

If the procedure described above is followed, most accidents involving LPG can be prevented. Accept responsibility for yourself and all other users of the leisure vehicle.



Systematic benefits for the world of retail

Design and quality

Designs and shapes that are colourful, different and sometimes very individual are attractive – but in the world of retail, the opposite holds the cards. “Corporate Design” and “Visual Merchandising” are keywords which repeatedly enthuse the world of the media when it comes to successful brand philosophies and sales presentations. Trend studies also demonstrate that: Buying behaviour is shifting away from “cheap is king!” to brand quality. GOK manufactures high-quality, precision products exclusively in Germany. We are proud to do this because it distinguishes the brand and the shop packaging supports the aspirations for both quality and design. Why?

- Direct perception of the “GOK” brand by the end consumer at the point of sale (POS)
- Compliance with the GOK corporate design
- Uniform design with all sizes, shapes and individual solutions
- Presentation of the quality brand and the clear notice provided of “Made in Germany”
- The user can ascertain and/or visually check the value of the products
- Sales and presentation optimisation – also with small products

Protection and safety

Time is money, which is why these days, products are being transported more and more quickly – frequently at the expense of care. The GOK shop packaging system protects products from damage all the way from the factory to the retail shelf in the best possible way, and reduces the risk of theft at the POS. At the same time the shop packaging makes the sale more legally secure – with these being the keywords: Product safety laws as well as assembly and operating manual.

- All the sensitive parts of the product are protected
- Safety tag as patented sealing system provides protection against loss, damage and theft
- Dimensionally stable packaging from high-quality plastic
- Identification of the products according to the product safety laws (frequently lost when repackaging the products)
- The assembly and operating manual is integrated in the shop packaging – so it can't be lost

Process optimisation

It's an age-old saying in the world of retail – half of the profit is in the purchase itself. But it isn't just the price of the product that is the deciding factor. The process along the supply chain should also be cost-efficient. With the GOK packaging system, this requirement is satisfied.

- Optimised receipt of goods due to individual labelling with a GTIN code
- Storage capacity and places of storage can be planned more easily due to defined sizes, weights and packaging units
- Huge potential savings with materials and working hours because the product doesn't need to be repackaged
- Rapid equipping of the POS system
- Products stay up-to-date thanks to optimised inventory turnover

Design and quality

- Small components in visually appealing packaging



Protection and safety

- Shop packaging with integrated assembly and operating manual.
- Patented sealing system – the so-called “safety tag”



Shop packaging with Euro slots

You can also order all the items of the picture price list marked with this symbol in shop packaging.

GOK



Caramatic SafeDrive

Safety on every road

Caramatic SafeDrive is GOK's newly developed gas pressure regulation system enabling motorhomes, caravans or campervans to use the LPG system while driving. Pressure regulators with integrated crash sensors are now screwed directly on to the gas cylinder, which offers some advantages.

- ✓ **Straightforward retrofitting and installation**
- ✓ **Always leave the gas cylinder open**
- ✓ **Protection of the entire pipe system from gas cylinder onwards**
- ✓ **No gas filter or excess flow device required**
- ✓ **Low space requirement in the gas cylinder case**

... more information on pages 2 to 6.



Only the **BEST QUALITY**
for your **COMPLETE SAFETY**

Made in **GERMANY**

59 025 42 - 05/2025