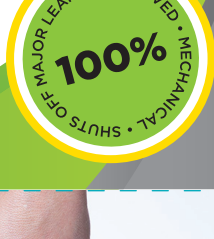


RV

GasStop®

THE ONLY 100% AUTOMATIC SHUT-OFF SAFETY DEVICE FOR PROPANE



GasStop®

Please read & retain the instructions before use.

IMPORTANT!

Before using this product please read and understand the instructions found in this manual. These instructions form an important part of your purchase. These instructions also contain a limitation of our liability for

any loss or damage arising from your use or misuse for any reason. If you do not agree with the limitation detailed inside you should return your GasStop with proof of purchase within 7 days of purchase for a full refund.

SAFE

100% automatic shut-off in the event of a major leak

PRACTICAL

Useful indicator you when your gas is running low

EASY

Easy to install, easy to use



Easy to use, easy to install

Important: The gas level indicator will give you a more accurate reading after 10 minutes of use.

- High pressure
- Enough gas
- Refill soon

GASSTOP™ EMERGENCY SHUT-OFF VALVE (EFV)

Type 1 QCC (CGA 791) - GSUSA2 - RV - LPG

USER INSTRUCTIONS

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TECHNICAL DATA

Unit Code	Connector Type	Connector Color	Saltwater Use	Supply Pressure (P)	Guaranteed Capacity / Flow Rate (r/h)	Max Working Pressure
GSUSA2	Quick-Coupling (QCC Type 1)	Black / Green	No	4 psig - 250 psig (0.3 - 16 bar)	70 SCFH 75,000 BTU/Hr *	250 psig (1.6 MPa)

Inlet Connector	Outlet Connector	Recommended Tightening Torque	Gas Type	Operating Temperature	Valve Shut-Off Calibration	Max Shut-Off Distance (at 90 psig)	Thermal Seal
QCC Type 1 RH	QCC Type 1 RH	Hand Tight	Propane LPG	-4°F to 131°F	≥125% r/h (in event of major leak)	19 ft * (6 metres)	Yes

*Value described at a temperature of 16 °C (61 °F).
Technical data subject to changes. NB. Technical data specific to individual 'Unit Code'

QUALITY STANDARDS

UL 2061, UL 119, CGA 791, CGA 510, CGA V-1 2013, ISO 16964:2015.

Manufacturers ISO 9001:2008 certified.

INTENDED USE

GasStop™ is a major leak emergency shut-off valve (EFV) for use on propane LPG cylinders only. All federal and state LPG and RV regulations must be observed prior to use. Incorrect installation of this device may lead to an accident, serious injury or death.

This GasStop has been calibrated for use on RV propane LPG systems only. GasStop must always be used with a pressure regulator. GasStop is calibrated for use with a pressure regulator rated at 70 SCFH/1.5kg with an outlet pressure no higher than 20" W.C. (50 mbar). GasStop must only be used with a supply hose that is rated above 70 SCFH (indicated with a green QCC connector rated at 200,000 BTU/Hr). Flow limiters built into supply hoses rated below 70 SCFH may prevent the GasStop shut-off operation. GasStop must only be used on LPG cylinders with a permissible inlet pressure range of 4 psig - 250 psig (0.3 - 16 bar). The GasStop shut-off performance may be interfered with by flow limiters and Excess Flow Valves (EFV). Always check your system prior to use. The direction of intended gas flow is clearly marked on each GasStop unit. Use of GasStop on marine boats or within EX Zone 0 is **prohibited**.

USER INSTRUCTIONS - GASSTOP™ EMERGENCY SHUT-OFF VALVE

Keep these user instructions in a safe place for future reference. Please read these instructions fully before use. If you are unsure about anything, please do not use the product and contact either a qualified gas professional or the GasStop support team directly.

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A. SAFETY	F. USEFUL TIPS
B. INSTALLATION	G. FAQ
C. CHECKING SYSTEM FOR LEAKS	H. CONTACT
D. READING THE GAS PRESSURE GAUGE	I. WARRANTY
E. AUTOMATIC SHUT-OFF MECHANISM	

SYMBOLS USED

SYMBOL	DEFINITION
	Possible hazard. Be vigilant.
	Useful information and tips.
	Contact a certified gas professional or the GasStop support team directly.

A. SAFETY

GasStop may only be installed by adults who have read and understand these instructions fully. It is recommended that all RV LPG installations are carried out by a qualified gas professional.

- A minor leak test and a soapy water test (see section C.) must be carried out prior to use to inspect your system for any gas leakage.
- Only install and use GasStop in a well-ventilated area.
- GasStop must only be installed directly onto the gas cylinder. Never tamper with the GasStop.
- Once installed, do not twist or force the GasStop to orientate it, this may cause undue stress on the connection. If you need to orientate the GasStop, loosen the connection first, reorientate, then retighten.
- GasStop is not designed to shut-off in the event of a minor leak. GasStop is designed to shut-off in the event of a major leak only.
- The GasStop gauge should always face towards the sky. Do not rotate the GasStop more than 45 degrees from vertical.
- Carry out prior checks on all GasStop rubber seals and components before installation, checking for damage and wear. If any rubber seals are missing, do not use GasStop.
- Carry out prior checks on the gas cylinder, pressure regulator, hose and all other components on your gas system. Check for damage and wear, do not use the system if there is any damage or excessive wear.
- Ensure GasStop is appropriate for use on the intended gas system, referring to the Technical Data table at the top of these instructions for compatibility information ('Inlet Connector', 'Outlet Connector', 'Flow Rate Calibration', 'Gas Type', 'Supply Pressure' and 'Capacity').

- GasStop is calibrated for use with a pressure regulator rated at 70 SCFH/1.5 kg/h. The set flow rate of the regulator (e.g. 1.5 kg/h) should be clearly labelled on the regulator or regulator packaging.
- GasStop is not to be used with pressure regulators with set outlet pressures over 20" W.C. (50 mbar). The set outlet pressure of the regulator (e.g. 11" W.C.) should be clearly labelled on the regulator or regulator packaging.
- Do not install or uninstall GasStop near any form of naked flame (minimum distance: 32 feet radius). In addition to this, make sure that no one is smoking, using a cell phone, or operating an ignition source in the vicinity. During gas use, remain vigilant, keep your gas cylinder and GasStop a safe distance away from any naked flame (minimum distance: 24 inch radius).

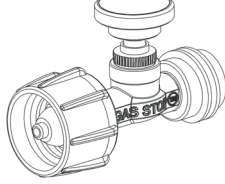
⚠ Important. Residual gas! Never install or uninstall your gas system near a naked flame. Smoking is strictly prohibited!

- Do not use GasStop if there is a risk of product damage caused by: heat, vibrations, corrosion, water or chemicals.
- GasStop shut-off performance may be interfered with by flow limiters and Excess Flow Valves (EFV). Always check your system prior to use.
- In normal conditions of use, in order to ensure correct operation of the installation, it is recommended that this device is changed within 10 years of the date of manufacture. The date of manufacture is clearly marked on all GasStop units.

B. INSTALLATION

QUICK COUPLING CONNECTOR (QCC - TYPE-1)

GSUSA2 - Black/Green Connector (2000 onwards):



ⓘ To verify what type of connector you have, please refer to the Technical Data table at the top of these instructions under column 'Connector Type'.

⚠ Important. Residual gas! Never install or uninstall your gas system near a naked flame. Smoking is strictly prohibited!

Connect your propane regulator to the GasStop and install your hose and device as normal.

Pump the gauge 4-5 times to prime the system. You are now ready to go!

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All Gas Stop products are protected designs
Pat: gasstopglobal.com/patents
ISO 16964 standards

4

3

2

1

Tighten the GasStop to your bottle

Connect the GasStop to your bottle

4

3

2

1

1. Tightly turn off the service/cylinder valve on the gas cylinder.
2. Turn off the gas appliance(s).
3. Disconnect the hose from the gas cylinder. See diagrams (Figure 1. and/or Figure 2.) below for visual representations of typical RV installations.
4. Check that the rubber seals are present on all connectors.
5. Check that your cylinder is marked for use with a Type 1 QCC connector
6. Visually inspect any rubber seals present to check for dirt and damage. Clean or replace if necessary.
7. Connect the GasStop to the gas cylinder outlet valve directly until the coupling nut comes to a full stop. Using your hand only, turn clockwise to attach. DO NOT CROSS-THREAD or force the connection, this may damage the thread. Right-handed threads are marked as 'RH'. Please refer to the Technical Data table at the top of these instructions for individual unit thread information (see 'Inlet Connector' and 'Outlet Connector' for reference).

⚠️ Important. GasStop must only be installed directly onto the gas cylinder.

8. Never exert extreme vertical or horizontal force on the GasStop or the pressure gauge.
9. Connect the high-pressure hoses to each GasStop directly until the coupling nut comes to a full stop.

Using your hand only, turn clockwise to attach. DO NOT CROSS-THREAD or force the connection, this may damage the thread. Now connect the hoses to the changeover/bulkhead device. On changeover/bulkhead installations a GasStop must be installed and primed on each cylinder connected to the changeover/bulkhead. See all diagrams below for a visual representation of common RV installations.

10. If operating in changeable weather, mount the GasStop at a slight angle to stop rainwater collecting on the pressure gauge. Protect your GasStop from the environment/weather where you can.

⚠️ Important. Always check your system for leaks before use.

11. **Prior to use**, all systems must be checked for leaks (see section C. below).
12. Once a leak check has been performed, your system is now ready to use.
13. As described in section C, turn on the gas cylinder (make sure the cylinder/service valve is fully open) and pump the gauge 4-6 times. You will now notice gas flowing. into the system. If the needle is stable and GasStop has not shut-off you are ready to use your appliance(s) as normal.

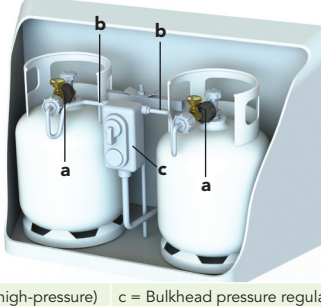
⚠️ ⚠️ Important. If the outcome is not as described in point 13. please stop using your gas. Contact a qualified professional before any further use.

14. At the end of any gas use, turn off the appliance(s) and the gas cylinder as normal. If you wish to disconnect the hose(s) from your RV do so in a well-ventilated area as residual gas may still be in the system.

⚠️ Important. Residual gas! Do not disconnect your system near a naked flame (minimum distance: 32 feet radius). **Smoking is strictly prohibited!**

📄 Refer to our FAQ section online for commonly asked questions.

FIGURE 1. EXAMPLE OF TWIN CYLINDER/BULKHEAD RV INSTALLATION



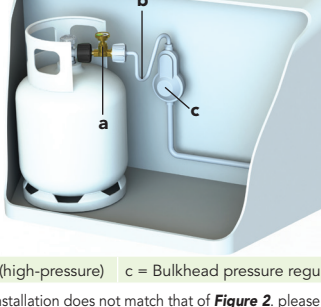
a = GasStop b = Hose (high-pressure) c = Bulkhead pressure regulator with automatic/manual changeover device

⚠️ ⚠️ Important. If your installation does not match that of Figure 1. please stop using your gas. Contact the GasStop support team or a qualified gas professional before any further use.

⚠️ Important. Residual gas! Do not disconnect your system near a naked flame (minimum distance: 32 feet radius). **Smoking is strictly prohibited!**

📄 Refer to our FAQ section online for commonly asked questions.

FIGURE 2. EXAMPLE OF SINGLE CYLINDER/BULKHEAD INSTALLATION



a = GasStop b = Hose (high-pressure) c = Bulkhead pressure regulator

⚠️ ⚠️ Important. If your installation does not match that of Figure 2. please stop using your gas. Contact the GasStop support team or a qualified gas professional before any further use.

C. CHECKING THE SYSTEM FOR LEAKS

📄 Always check your system for leaks before use.

The GasStop pressure gauge is sensitive to minor drops in pressure, making it a useful tool to use when testing for minor leaks (see method below).

In addition, soapy water should be used to visually inspect the system for bubbles to locate any gas leakage.

- 📄 **Minor leak tests must be carried out prior to normal gas usage. During normal gas usage, GasStop will not shut-off the system in the event of a minor leak.**
- 📄 **During normal gas usage, GasStop will only shut-off the system in the event of a major leak.**

⚠️ Important. Residual gas! Never test your gas system near a naked flame. **Smoking is strictly prohibited!**

To test your system for leaks using the GasStop pressure gauge:

1. Set up your system as described in section B. Turn off the service/cylinder valve on the gas cylinder. Now turn off your gas appliance(s).
2. Now turn the gas cylinder back on. Keep all appliances off.

3. Pump the pressure gauge on the GasStop up and down steadily at least 4 to 6 times. The longer the distance the gas has to travel in the pipe or hose, the more you will need to pump. If insufficient pressure has been created, the GasStop will keep shutting-off the gas supply. Double check at this point that your appliances are still switched off.
4. The needle on the gauge should now indicate the gas pressure. If the needle is on zero, or below the red bar on the gauge, then the service/cylinder valve is not open, GasStop has shut-off, the gas has run out or you have not carried out sufficient pumping. Is the temperature around freezing? Please refer to the Useful Tips section.
5. Once the needle is stable, turn off the service/cylinder valve on the gas cylinder. Once the gas is off register the exact position of the needle on the gauge.
6. At this point, pressurised gas is now held between the GasStop and your appliance(s). Now wait 60 seconds for short gas systems and 5 minutes for longer gas systems.
7. If the needle has dropped from its initial registered position at the end of the recommended period of waiting time, there is a leak (pressure decay). Do not use the gas system until the leak has been solved or repaired by a qualified gas professional.
8. If, after pumping, the needle remains in the same position during the waiting time specified above, you can carefully start using the system as described in section B.

SAFETY REMINDER:

- ⚠️ Never install, uninstall or test your gas system near a naked flame.
- ⚠️ **Smoking is strictly prohibited!**
- ⚠️ Always check the system for gas leaks prior to use (section C.).
- ⚠️ If you are in doubt, contact a qualified gas professional immediately for advice.

- ⚠️ Be aware that GasStop has limitations.
- ⚠️ GasStop is not designed to shut-off in the event of a minor leak. GasStop is designed to shut-off in the event of a major leak only.
- ⚠️ Always make sure your GasStop unit corresponds with the recommended gas cylinder, pressure regulator, installation and gas type. Never force a GasStop to fit. If in doubt, contact a qualified gas professional immediately.

⚠️ ⚠️ If you suspect your GasStop may be damaged or faulty, do not use the device and contact the GasStop support team or a qualified gas professional immediately.

D. READING THE GAS PRESSURE GAUGE

📄 The gas pressure gauge is not a precise tool for measuring gas cylinder contents. It does however have many useful functions.

- The gauge indicates when the gas cylinder is almost empty (a decline in the vapor pressure curve). The gauge does not indicate the exact amount of LPG left in the cylinder.
- A steady pressure reading only indicates that LPG is left in the cylinder.
- If the needle is pointing to:
 - HIGH:** Increased gas pressure
 - GAS:** Sufficient gas (steady pressure)
 - LOW:** Almost empty (approximately 30 minutes left of gas use)

- Use the gas for at least ten minutes before checking the gas pressure level.
- Check the gauge before turning off your appliance(s) to assess if a refill is needed prior to next use.

📄 OTHER USEFUL FUNCTIONS OF THE PRESSURE GAUGE:

- Visual evidence of pressure decay (a minor leak) in a lock-up pressure test scenario (see section C.)
- Visual evidence of high pressure
- Visual evidence of a shut-off
- Visual evidence of an activated and stable system
- Visual evidence of variable/unstable pressure

E. AUTOMATIC SHUT-OFF MECHANISM

📄 The GasStop automatic shut-off mechanism has limitations.

- GasStop will shut-off the supply of gas in the event of a major leak ($\geq 125\% \dot{m}$). The mechanical shut-off seal is 100% and can only be reset by the user - once the problem has been solved.
- GasStop will not shut-off the system in the event of a minor leak (e.g. if the flame/burner goes out or if the leak is not big enough to activate the GasStop).

- GasStop will provide up to 19 feet (6 metres) of automatic major leak shut-off protection at 90 psig (6 bar) of supply pressure.
- The GasStop shut-off performance may be interfered with by flow limiters and Excess Flow Valves (EFV). Always check your system prior to use.
- GasStop may shut-off the supply of gas in the following scenarios: at low temperatures (see *Useful Tips*), if the GasStop is not installed as prescribed, if the gas appliance is on during installation, if the gas level is low, or if the consumption of the gas exceeds the recommended capacity (refer to 'Capacity' on the *Technical Data* table).

F. USEFUL TIPS

- Make sure that any unburnt or residual gas can always be extracted safely via appropriate ventilation. Make sure that any ventilation remains uncovered. Never ventilate or disconnect your system near a naked flame (minimum distance: 32 feet radius).
- To prevent premature weathering of the GasStop, do not leave the device exposed to variable weather conditions for a prolonged period of time.
- GasStop may shut-off the gas supply if the temperature drops to around freezing. In such cases, try to restore the gas flow by pumping the device 4 to 6 times.

- In humid, cool or changeable weather conditions, condensation may appear on the inside surface of the transparent gauge face. This happens as the air trapped inside the gauge condenses, forming small surface water droplets on the plastic casing. Although this is not common, it will not affect the operation of the GasStop. To rectify the problem, remove your GasStop from the gas system and leave the product in a dry and ambient location. After a while the condensed water will evaporate and the visual appearance of the gauge will return to normal.

⚠️ ⚠️ If you suspect your GasStop may be damaged or faulty, do not use the device and contact the GasStop support team or a qualified gas professional immediately.

G. FAQ

For a comprehensive list of up-to-date FAQ's please visit gasstopusa.com. Alternatively please contact our team using the below details.

H. CONTACT

For further information, or if you have any questions, please visit our website for more details. Alternatively please contact our support team directly.

info@gasstopusa.com | www.gasstopusa.com

I. MANUFACTURER'S WARRANTY AND DISCLAIMER (USA ONLY)

The Manufacturer warrants your GasStop to be free from construction and material defects. This warranty is provided to the first Purchaser, purchasing the product for consumer use, valid for five (5) years from the date of purchase. The warranty covers replacement of the GasStop if it is defective. The warranty does not cover defects due to improper use or installation of the product. If a defect arises during the warranty period and the Purchaser wants a replacement product, then the Purchaser is to send a clear description and photograph of the defect in question, along with a copy of the original proof of purchase to the Distributor (DPS LLC). If the warranty claim is recognized by the Manufacturer, then the transport expenses shall be borne by the Manufacturer. If no warranty claim is applicable, the Purchaser will be notified accordingly and any repair and transport expenses shall then become the Purchaser's liability. Our goods are supplied with warranties which cannot be excluded pursuant to national consumer legislation. In the case of a major defect, you are entitled to a replacement or a refund and to compensation for any other reasonable costs due to loss or damage.

You are entitled to have goods repaired or replaced if they are not of acceptable quality and the defect is not serious. The Purchaser benefits from this warranty in addition to his/her other rights pursuant to legislation relating to goods or services which are covered by the warranty.

The Manufacturer disclaims liability for any damage or injuries as a result of the following:

- Not using the device as is intended
- Installation of non-original spare parts

- Unauthorized modification without written approval by the manufacturer
- Use of unauthorized equipment
- Ignoring important information listed in these instructions

MAKING A WARRANTY CLAIM (USA ONLY)

📄 Before returning your defective product, please ensure that you have proof of purchase and that your item was bought from one of our authorized resellers (please refer to our website for a full list of authorized resellers). Please also provide the Distributor (DPS LLC) with the following:

- Detailed description and photograph of the defect
- Serial number of the unit (the serial number is clearly marked on all devices)

Once you have all of the relevant documentation and are ready to return your defective product is covered by our warranty, you can contact our support team online. Our team will advise you further on how to proceed. To avoid transport damage, the affected unit must only be shipped by prior arrangement. We ask you not to send the unit without prior arrangement.

DISTRIBUTOR INFORMATION

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