

Imported and Supplied By:



Address: Unit 1A
107 Carnarvon Street
Silverwater, NSW, 2128

Website: www.tesuco.com.au

Helpline: 1800 631 511



Gas Stop Regulator Type SOGS38 / SOGSPOL (MD-LGS)

With Integrated Medium Pressure Regulator according to DIN 4811-3



According to VBG D34, Gas Stop regulators are classified as safety devices. The regulator protects the integrity of the system in the event of leakage or damage to the hose and/or its connections up to the place where connection is made to the consuming device.

Safety functions of the Gas Stop regulator:

- Leak test of the Gas Stop hose before start up of the gas system**
 By pressing the safety button, testing for leaks of the Gas Stop hose and its connectors, is started
- Testing the Gas Stop hose for leaks during operation**
 During operation of the gas system (also during short interruptions from work), the monitoring function of the Gas Stop regulator checks the Gas Stop hose and its connectors for leaks. If there is the smallest leak, the gas flow is reliably cut off
- Protection from damaged Gas Stop hose**
 If a Gas Stop hose is severely damaged, e.g. broken, the membrane controlled shut-off function of the Gas Stop regulator automatically prevents any continuation of the gas flow, similar to a hose breakage safety device.



DESIGN

The Gas Stop system is a mechanism which cuts off gas supply in the presence of even minute Gas Stop hose damages (leak gas quantities). It consists of the actual Gas Stop regulator comprising monitoring, control and cut-off functions, together with a Gas Stop hose and the respective connectors. The leak gas safety function works independently of the pressure controller of an intermediate pressure grade and cuts off the flow of gas to the consuming device in the presence of any leak in the connected Gas Stop hose and/or its connectors.

Assembly and Operating Manual

Version: AUS 12.12

The set working pressure of the pressure regulator is also the control pressure for the leak gas safety function. By pressing the push button, the regulator is connected to the monitoring chamber of the Gas Stop hose through a valve and the hose is filled with gas. The control opens the cut-off mechanism and releases the gas flow.

In the case of any leak of the Gas Stop hose and/or its connectors, however small, the pressure within the monitoring device falls. The control activates the trigger of the cut-off mechanism within the Gas Stop regulator. This prevents any continued flow of gas and thus the release of gas to atmosphere. The gas system can only be recommissioned after the leak of the Gas Stop hose and/or its connectors has been repaired.

It should be noted that with the standard 2, 4 or 6 metre Gas Stop hose a maximum flow rate of 7 kg/h can be achieved. Up to 14 kg/h can be achieved by the use of a different model Gas Stop and hose. When selecting equipment, the permanent pressure loss of the connected Gas Stop hose must be taken into consideration.

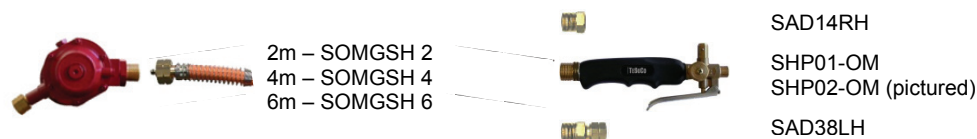
The Gas Stop regulator provides no protection for the connections located before and after the Gas Stop hose and its connectors.

INLET CONNECTIONS TO GAS STOP REGULATORS TO SUIT AUSTRALIAN GAS CYLINDER VALVES

Model	Connection	Model	Connection
SOGS38	G 3/8 L/H	SOGSPOL	Type 21

CONNECTION OF THE GAS STOP HOSE and ACCESSORIES

Gas Stop Regulator – Gas Stop Hose – Adaptor / Handle



Gas Stop Hose – Hose Connector – Gas Stop Hose

Joining two hoses	Joining two hoses / Using two appliances	
SOGSDHC	SOGSTP	
Replacement Part	Gas Stop hose	Handle / Adaptor
O Ring	S-HCOR	S-HCOR-EQ

A full range of adaptors are available from your supplier

Assembly and Operating Manual

Version: AUS 12.12

ASSEMBLY

- The integrity of the system relies upon all of the equipment in the system being free from defect. Please ensure that all of the equipment to be installed is not visually damaged in any way.
- Check the connections for metal chips or other impurities as this may affect the ability of the system to seal. This is especially true for the conical nipples of the Gas Stop hose and the outlet of the Gas Stop regulator.
- Ensure that the Gas Stop hose is free from tension (no bending stress or torsion)
- In tightening the connections use only the appropriately sized open ended spanner

After tightening the union nuts, the Gas Stop hose must not be twisted in any way as this may cause the connections to loosen, creating a leak in the system.

IMPORTANT NOTES ON INSTALLATION

For safety reasons, only trained personnel may install and use this system. The following steps must be performed in the order specified below:

- Connect any adaptors to the Gas Stop hose and tighten
- Attach the Gas Stop hose to the Gas Stop regulator
- Connect the consuming device to the Gas Stop hose or adaptor (if fitted)

The Gas Stop hose connection need only be tightened by hand due to the o ring seals, however it is recommended that the connection be further tightened to prevent any unintended loosening of the connections. **High torques are not required!** (Nut M22x1.5 = SW 27)

LEAK TEST

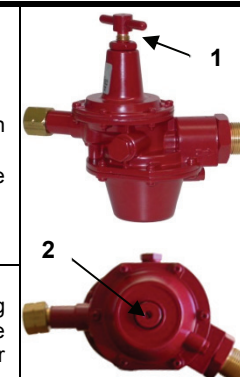
Do not use open flames to check for leaks!

Before startup, check the connection between the gas cylinder and Gas Stop regulator for leaks, by:

- Opening the cylinder valve
- Checking the connection for leaks by means of a leak detector spray or suitable foaming agent
- The leak check is considered to be successfully completed ONLY if the result is 'No Leaks'

START UP

- Close the control valve on the equipment and open the cylinder valve
 - Adjust the pressure adjustment screw (1) to the required pressure
 - Press the push button (2) to fill the outer chamber of the Gas Stop hose
- Note:** The length of time that the button must be depressed depends on the length of the hose (approximately 5 seconds per 2 metres)
- All connections installed downstream of the Gas Stop hose should now be tested for leaks using leak detector spray or suitable foaming agent
 - The system is now ready for use
 - Use an approved ignition source (Do **NOT** use a cigarette lighter)



IMPORTANT NOTES ON START UP

After lighting, if the flame is not as desired, adjust the Gas Stop regulator using the pressure adjustment screw (1). At this point, the push button (2) **MUST** be depressed as per the instructions above to reset the pressure in the outer chamber of the Gas Stop hose to the new operating pressure.

OPERATION

All Australian/New Zealand Rules and Regulations concerning the use of LpG and equipment **MUST** be adhered to. It is recommended that the connections be tested for leaks at regular intervals. Close down the system **IMMEDIATELY** if you can smell gas, or if there is a leak or system malfunction and replace the faulty components. Do not move the gas cylinder during operation.

SHUTTING DOWN THE SYSTEM

Once the system has been turned off, turn the cylinder valve off and **in a safe area**, open the control valve on the equipment and press the push button (2) to release the gas in the Gas Stop hose.

REPAIR

If the system does not function as outlined in this Assembly and Operation Manual, please contact your supplier for further instruction. Any unauthorised repair of the system or its components will result in the loss of qualification for repair under warranty.