

# PREVENTION OF DOMESTIC ACCIDENTS

## GAS CYLINDER



## What we need to know

To heat water for preparing food, we use gas in bottles. We usually call the gas cylinders. And when finished, the puzzle you have to go get some.

But this gas cylinder that is there for us "save the life" can become a bomb if you do not use it well.

The security of a gas cylinder is a vital and essential element that we must take into account when buying. Even if the accidents are extremely rare, it is important to follow certain precautions to avoid them.

To reduce the risk, there are not only own security elements to the bottles, as well as rules to know about the environment around your bottle.

**The few slides that follow will allow us to find out what are the specific security bottles and some practical advice.**



## The security elements of a gas cylinder

The gas we use in our kitchens is butane. This gas is generally packaged in bottles of 13 kg.

There are several accessories guaranteeing the security of a gas cylinder and they are checked regularly to ensure their safety when using the gas cylinder:

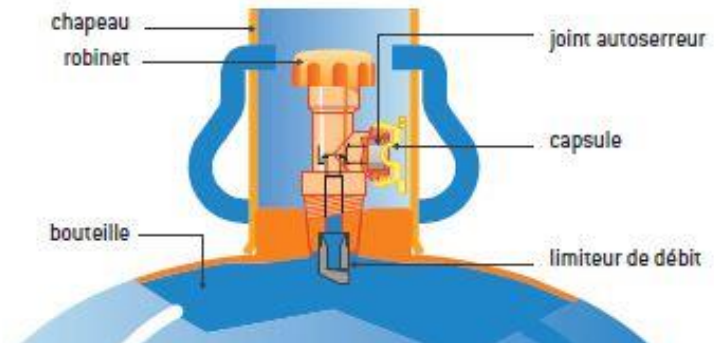
The speed limiter limits the gas flow in case of an incident.

This is a ball mechanism or a neoprene target cylinder in the tail of the gas cylinder valve.

The self-locking seal: It ensures a tight seal of the regulator. Positioned in the nose of the gas valve this seal may be of different diameters, according to a use of propane or butane. These joints must be periodically changed by filling plant, so make sure its good use.

The tamper-evident capsule that provides the owner of the bottle that it has not been used and is full. His presence guarantees the security of the bottle, you must r properly.

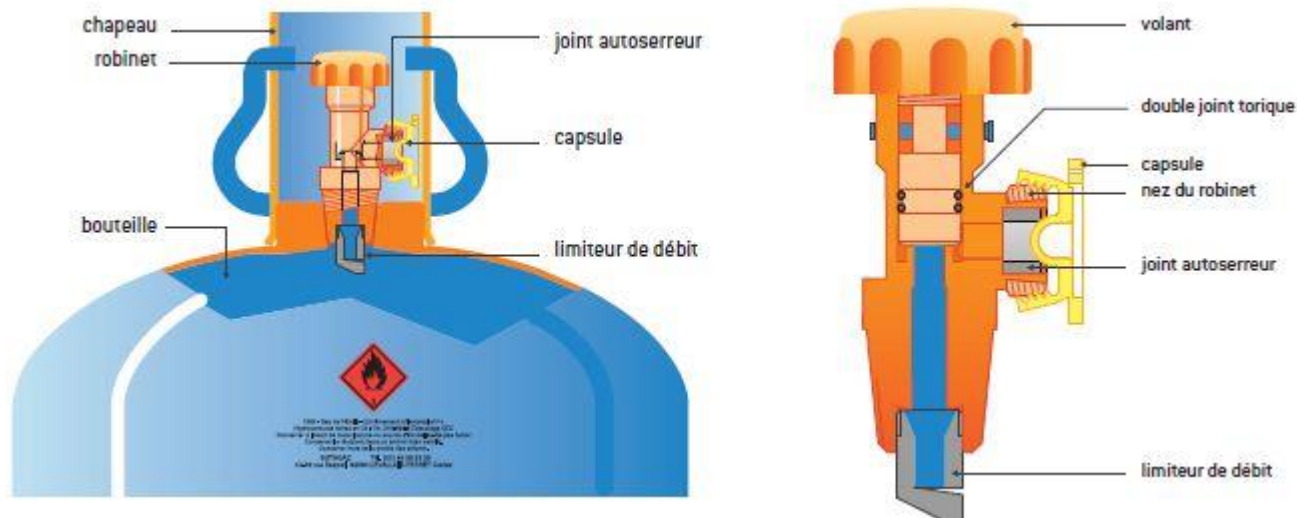
The gasket provides a seal between the bottle and its regulator presence and its condition, there should be no cracks or crazi change verification is essential at each change of bottle to pro deterioration.



## The good actions in case of a gas leak

Gas is an invisible element, colorless, odorless and impossible to detect. For safety reasons an artificial smell was added to it in order to recognize a leak gas odor. It is very important to know the right attitude to adopt in case of gas leakage because it can prevent serious accidents mortals see. Can be decomposed into 3 steps the right thing to do in case of gas leakage is suspected:

- **First, if you have any doubts, immediately open all doors and windows to ventilate the room and let the air go.**
- **Close the valve of the gas cylinder in order to prevent further leakage.**



## The risks

Gas cylinders have several risks:

### Risks related to pressure

- If out of the envelope, cap or tap by a fall or shock, the bottle can be propelled violently
- Flexible becomes whip in case of breakdown
- Hazard from maneuvering a connection under pressure

### The risks associated with handling

- The gas cylinders are heavy equipment, during transport and handling, can cause back pain and / or, if dropped, injuries (bruises or fractures).

### The transport risks

- The bottles must still have their protection screw cap,
- Never transport cylinders with their regulating accessories (pressure reducer) dismantle after closing the bottles.
- Do not drag or lift a large bottle with the cap.
- Do not rotate the bottles on a flat surface and a short distance, otherwise use a carriage adapted bottle.

# Handling Precautions

## For handling:

- Use a means of transportation (bike, wheelbarrow, vehicles) to transport the gas cylinder
- Wear appropriate protective equipment (gloves))
- Never move an unequipped bottle of his safety cap and hat protection.
- Never try to catch a falling bottle. Raise a bottle legs bent, back straight.

## COMMISSIONING AND USE

- Never grease a tap.
- Never tinker a tap and, if defective, never try to repair it.
- Tighten the flexible and secure them to prevent them from whipping.
- Minimize the length of the hoses.
- Regularly check the protective sheaths, joints, threads and seals and respect their replacement date.
- Must maintain upright bottles of liquefied gas.

## The good actions in case of a gas leak

### The behavior to banish if gas leak

In case of gas leakage, there are good gestures to know but also a risky behavior that should not be done to avoid serious injury see a fatal accident. Accidents in case of gas leakage are often poisoning, asphyxiation and explosion, it often causes a fire risk with severe burns. To avoid any accident, gestures to avoid are to know as much as the right moves in case of a gas leak.

Here gestures banish to stay safe despite a gas leak:

- **First, it is very important not to use electrical appliances such as a mobile or telephone, a flashlight but did not turn on the light via a switch. If the lamp is already on do not turn it off. Indeed the risk of spark may light the fuse for an explosion.**
- Secondly, do not smoke, use matches, lighters or candles as flames may have the same effect as a spark that is to say the explosion.

## What we must remember

**The security of a gas cylinder** is a vital and essential element that we must take into account when buying. Even if the accidents are extremely rare, it is important to follow certain precautions to avoid them.

To reduce the risk, there are not only own security elements to the bottles, as well as rules to know about the environment around your bottle.

**Prevention is better than cure**



**THE GROUP ACTIVA  
THANKS YOU  
FOR YOUR ATTENTION**