

iARM

## WIRELESS GAS SHUT-OFF VALVE

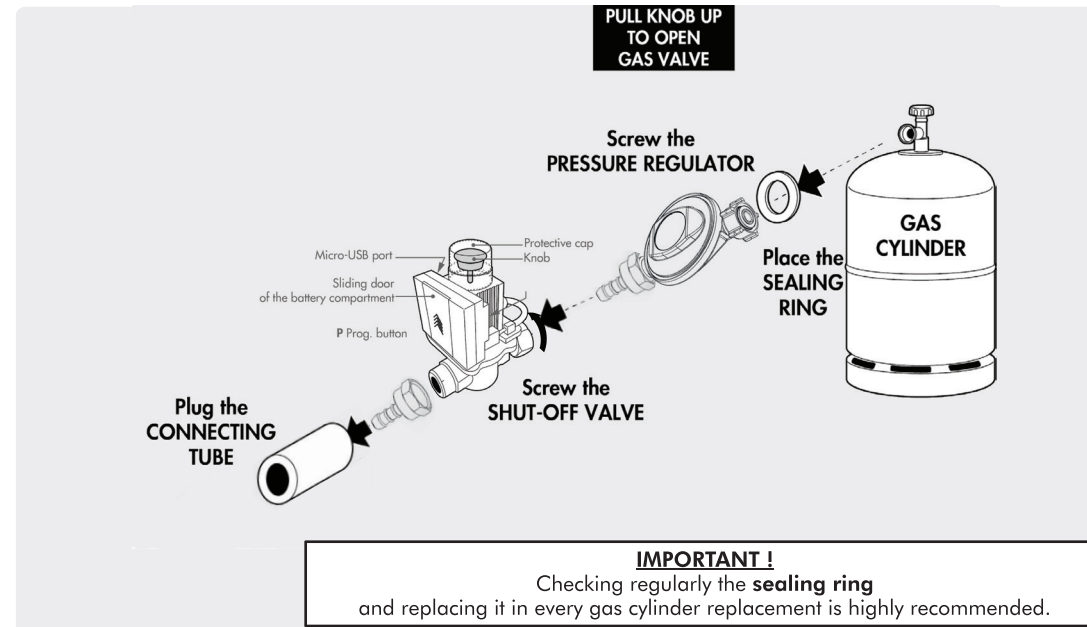
BUTANE &amp; PROPANE

This product allows you to automatically avoid a leak of butane or propane in the room where the detector is installed. This gas shut-off valve guarantees you a higher safety to reduce the risks of asphyxiation, faint and explosion due to the gas in the room.



IC:22062-GD1

Make sure you have all of the parts listed below before proceeding to the installation:



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with the Industry Canada Radio Standards Specification RSS 210. Its use is authorized only on a no-interference, no-protection basis; in other words, this device must not be used if it is determined that it causes harmful interferences to services authorized by IC. In addition, the user of this device must accept any radio interference that may be received, even if this interference could affect the operation of the device.

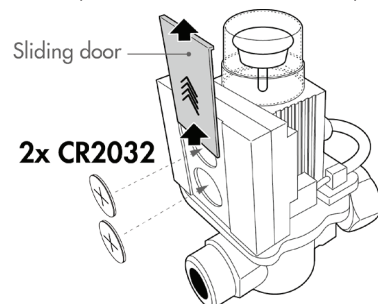
**WARNING!** Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

## A. INSTALLING THE BATTERY

Two (2) **CR2032** batteries are required to power the valve. iARM strongly recommends alkaline high quality batteries from well-known brands (ex. Duracell) to get the best of your system. The optimal lifetime of these batteries is estimated to 3 years.

## To install or replace batteries

1. Locate the sliding door of the electronic case.
2. Slide the door upward to access to the batteries.
3. Place the new batteries by respecting the polarity rules: once inserted, the (+) mark engraved on the battery should be visible in front of you.



The valve also has a **micro-usb port** to be powered by a mobile phone charger (except Iphone) connected in a wall socket.

## B. SETTING UP THE VALVE

## Manual opening

1. Unscrew the **protective clear cap**.
2. Pull manually the red **knob** upwards.
3. Replace the cap.

The valve is now opened and ready.

## First installation

In case of first installation, please proceed to the following programming steps to command automatically the valve by a detector.

## C. PAIRING

## To pair a valve with a detector

**ATTENTION!** Make sure an iARM detector is already installed prior to the valve pairing. Please refer to the installation guide of the iARM detector to install it.

1. Press simultaneously the **P** button on the valve and the **STOP** button on the detector until the system plays a melody to confirm the operation.
  2. Then, release both buttons.
- The valve and the detector are now paired.

**Notes:** - A valve can be paired with 4 detectors maximum.  
- A detector can control an unlimited quantity of valves.  
To add a detector or a valve, repeat the programming steps.  
- The control range extends over all the surface of the house and the garden within a radius of approximately 200m without any obstacles.

## D. TESTS

## To trigger and stop the alarm

1. Approach a gas lighter close to the sensing area of the detector (see the installation guide of the iARM detector) and let some gas leak.
2. The detector emits an alarm sound and commands the valve to close. Within 3 seconds, the knob pulls down: the gas supply is shut off.
3. Press the **STOP** button on the detector to deactivate the alarm. The DEL of the detector continues to flash until the gas is scattered.

The valve will remain closed (knob down) until reopening it manually. Refer to the section «**Manual Opening**» of this guide.

## TECHNICAL SPECIFICATIONS

- Suitable gas types: town gas, butane, propane
- Body: wrought aluminium alloy
- Sealing material: NBR rubber
- Operation temperature: -10~50°C
- Pressure max: 0-200kpa
- Connection: G1/2", G3/4", G1"
- Turn on: manual
- Closing modes: current impulse or manual
- Driving Voltage: DC 9-12V
- Close time: <1sec.
- Explosion proof mark: Exmb | |T4

## TROUBLESHOOTING

- Inspect all parts of the product to detect any visible anomaly.
- Check the connections of the detector and the valve, then repeat the programming steps and tests procedures.
- Contact your retailer to get additional information and technical support.

## 1-YEAR LIMITED WARRANTY

During one (1) year from the date of purchase, iARM promised to repair or replace with a reconditioned similar device, a part which presents an anomaly of material or a manufacturing defect if the product has been installed and used in normal conditions.

This warranty is non-transferable and is automatically void if a part of the product has been modified or used in a manner contrary to its intended purpose or if it has been damaged by causes not arising out of defect in materials or manufacturing.

iARM rejects any responsibility and cannot be held responsible on account for any direct or indirect damage resulting from a wrong installation, wrong use or lack of maintenance of the device.