

# ACR-2 Automatic Changeover Regulator

OPERATING INSTRUCTIONS TO BE RETAINED BY THE USER

Please read carefully before use

## A. Specifications

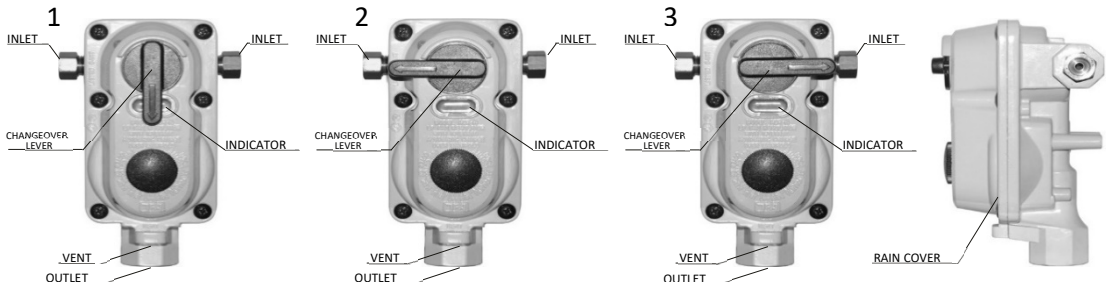
Type of gas:	Propane
Outlet Connector:	3/8-NPT
Inlet Connector:	7/16-24 UNS-2B-RH
Outlet Pressure:	11" WC
Inlet Pressure:	25 – 250 psig
BTU:	345,200 BTU/h
Operating Temperature:	-4°F ~ 122°F

## B. Installation Instructions

1. Place the cylinder on a safe and even surface in a safe location. The cylinders should never be placed in an area that is below ground level, as propane is heavier than air and will pool in such areas.
2. Fix the regulator onto a secure place by means of a wall or rigid post or support column. Make sure the device is always mounted above the height of the tanks.
3. Connect the hoses from the two tanks to the inlet connectors of the regulator. Tighten the connectors sufficiently to ensure a leak-tight joint which can be checked by using a soapy-water solution.
4. Turn on the gas tanks. Rotate the changeover lever left or right to the full tank. The arrow on the changeover lever indicates the tank in use; the other one would serve as the reserve tank.

## C. Operating Instructions

The ACR-2 complies with the standard of UL144, and is a two stage automatic changeover regulator designed to supply propane gas. The window on the regulator shows if a gas tank is empty by showing RED in the indicator window or FULL by showing a Clear Window in the indicator window. If the tank which the changeover lever is pointing to is empty, the indicator window will show red and the device will automatically changeover to the full / reserve cylinder. The changeover lever should then be switched over to the other cylinder (Full cylinder) and the indicator window should show a Clear Window indicating that you have a full cylinder in this position. The empty tank can be removed and filled. If the changeover lever is left in downward position, gas will come out from both tanks simultaneously. When the gas is depleted in both tanks, then you will have not a reserve. In order to fully utilize the automatic feature of the regulator, please make sure the changeover lever always points to either the left hand or right hand tank.



### **D. Supplementary Device**

Rain Cover: Optional rain cover is available for the ACR-2. The rain cover is designed for outdoor use which protects the regulator from being exposed to rain.

### **E. Safety Reminder**

1. Please make sure that the vent of the second stage regulator always points downwards to prevent any entry of water or debris.
2. Please make sure that the changeover lever is rotated to the reserve (full) tank when the indicator window shows red. The gas control valve of the empty tank must be turned off prior to changing the tank.
3. The ACR-2, under normal operation, is designed to have a life span of about 10 years

### **F. Warnings**

If a leak is suspected, turn the gas off at the tanks and extinguish all naked flames. DO NOT disconnect the regulator from tanks. Ensure you are in a safe condition, slowly turn the gas on and brush all the connections with soapy water or liquid detergent. A gas leak will form bubbles. If a leak is found, turn off the gas supply and inform your dealer. NEVER USE A LIT MATCH OR NAKED FLAME TO SEARCH FOR LEAKS.

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