



**cavagna group**

Advanced solutions for gas control

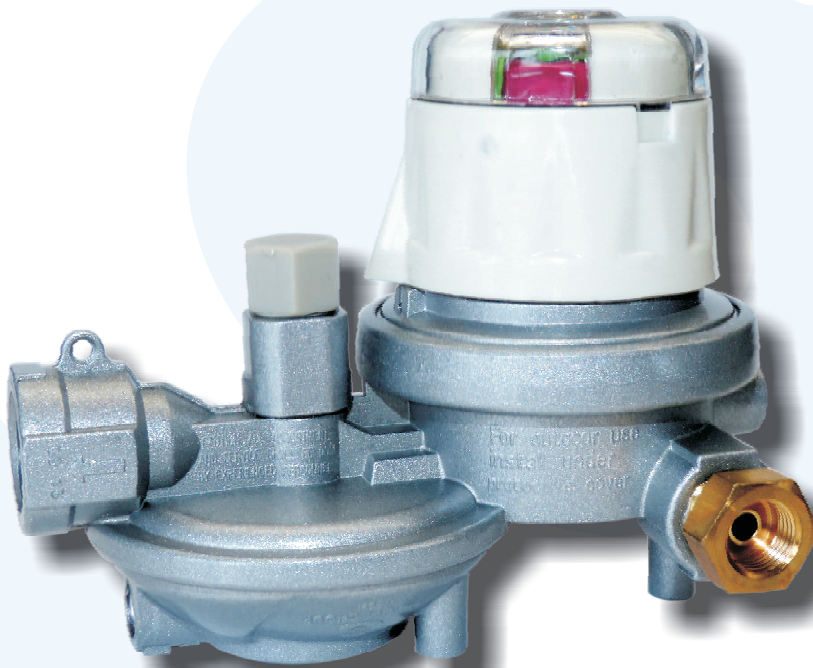
# Easymatic<sup>+</sup>

## Type 924N

### Automatic Changeover

### Double Stage

### Compact Regulator



## The perfect simplicity

The **Easymatic<sup>+</sup>** is a Double Stage Automatic Changeover regulator, consisting of a first stage coupled to a second stage regulator.

The Automatic Changeover's 1st stage reduces the outlet pressure from cylinder to a value of 10 PSI max; The 2nd stage regulator further reduces the gas pressure to the utilization pressure value of 11" w.c.

The **Easymatic<sup>+</sup>** ensures continuous gas flow, automatically changing the gas withdrawal from the exhausted "service" cylinder to the full "reserve" cylinder. The color combination assembled into the changeover hand-wheel indicates the withdrawal direction and the exhaustion status of the "service" cylinder.

The **Easymatic<sup>+</sup>** can be wall mounted or rack mounted with the appropriate mounting brackets. The regulator is connected to the cylinders with high pressure hoses, or pigtailed. Connection to the appliances is carried through a high pressure hose connected to the regulator outlet.

## Start up and usage

### How to turn it on

- Make sure that the Automatic Changeover is connected to the two cylinder valves with high pressure hoses or pigtailed. Open the two cylinder valves at the same time. This is fundamental step to allow the Automatic Changeover to ensure continuous gas flow from the full reserve cylinder when the service cylinder goes empty. The Automatic Changeover cannot withdraw from reserve cylinder if the cylinder valve is closed.

### How to read the Automatic Changeover indicator with full cylinders

- When both cylinders are full the changeover indicator displays green, provided that the valves on both cylinders A and B are open.  
- The arrow on the hand-wheel indicates which of the two cylinders is used first; this becomes the "service" cylinder. The other cylinder is referred to as the "reserve" cylinder. See figure 1.

### How to read the Automatic Changeover indicator with empty cylinders

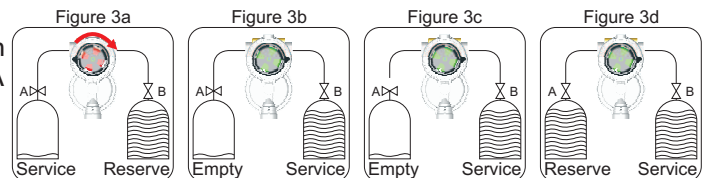
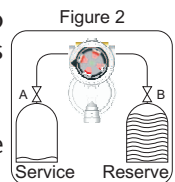
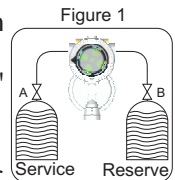
- When the "service" cylinder becomes empty the Automatic Changeover senses negative pressure (cylinder pressure less than 5 PSI), and automatically switches to the "reserve" cylinder ensuring continuous gas supply to the appliances. The end user can confirm that the "service" cylinder is now empty because the indicator is displaying red. See figure 2.

### How to substitute the empty cylinder with a full cylinder

- Close cylinder valve A and rotate the Automatic Changeover hand-wheel 180°(figure 3a). If the reserve cylinder is full the indicator will display green (figure 3b).

- Remove the empty cylinder (figure 3c).

- Install a full cylinder and connect to Automatic Changeover with high pressure hoses or pigtailed. Then open the cylinder valve A (figure 3d).



## Advantages of the Automatic changeover - Easymatic<sup>+</sup>

### Easy-to-read changeover indicator

The hand-wheel displays red or green indicating if the service and reserve cylinders are full or empty. This is fundamental because it lets the user know when to refill the empty service or reserve cylinders.

The indicator is designed to guarantee the best reading possible:

- \* Far away visibility
- \* Frontal visibility
- \* Lateral visibility

### Integrated "Back-check valves"

Back-check valves are integrated in both inlets of the Automatic Changeover, Type 924 NRV. This allows the user to remove empty cylinder for refill while the system remains operational with no disruption of gas flow from full cylinder. This ensures safety and convenience to the user.

