

Testing Equipment

ASCO CO₂ Carbonation Tester Type III

part no. 900900



The **ASCO** CO₂ Carbonation Tester is used to identify any strange odour and/or taste in CO₂. With this simple, easy to use kit you can check the quality of your liquid or gaseous CO₂ from bulk tanks or CO₂ cylinders.

The set includes a CO₂ carbonation unit, CO₂ cartridge with special inner coating, adaptors made of stainless steel and emptying device for CO₂ cartridge and easy instructions.

Following the easy, laminated an coloured step-by-step instructions with pictures, a sample of water carbonated is tested. The carbonated water is compared for taste and smell with a non-carbonated sample of the same water.

Advantages of a ASCO CO₂ Carbonation Tester:

- easy handling
- no calibration required
- ready for immediate use
- quick and cheap testing method
- for gaseous and liquid CO₂

Step 1  Arrange all parts of the complete carbonation tester.	Step 2  Empty the CO ₂ sampling cylinder completely by turning it vertically upside down into the throat of the waste (the waste must be lead to a water). After emptying, unscrew the cylinder.	Step 3  A sample of the CO ₂ to be tested is withdrawn from the liquid or gaseous phase of a storage tank or a cylinder using a flow into the CO ₂ testing cylinder which is a general purpose cylinder with a neutral taste. The connection to the valve of the storage tank or cylinder is made with the special adaptors supplied by ASCO. Then open the outlet valve and let CO ₂ flow into the sampling cylinder for 10 seconds. Then close the outlet valve.	Step 4  Repeat steps 2 and 3 twice to ensure that CO ₂ from earlier tests is left in the cylinder.	Step 5  Filling the carbonating bottle Turn the back lever to the right, to the unlocked position. The machine head will rise automatically. Return glass bottle back to upright position, push and hold the machine head down and turn the back lever left, to the locked position. Press the cover release button downwards and remove back cover. The gas inside can hit the edge of the bottle opening. Slowly lower the device head, making sure that the nozzle enters into the bottle opening.
Step 6  Replacing the gas cylinder Place the new cylinder in an upright position on a flat surface. Press the cover release button downwards and remove back cover. Remove the valve seal and plastic cap from the new cylinder valve. Screw the new cylinder firmly into the cylinder holder. Do not use any tools for this. Replace the back cover. Fill the bottle with clear, cold or heated, uncarbonated drinking water up to the lowest mark.	Step 7  Carbonation Press the carbonating lever downwards, as shown, using firm pressure of 2 to 3 seconds. This will heat the gas entering the bottle. Release the lever after each press. 3 presses will make a standard sparkling drink.	Step 8  Removing the bottle after carbonation Turn the back lever right to the unlocked position until the machine head starts to rise. Excess gas in the bottle will be heard escaping from the machine as you turn the lever right. To glass bottle back forward and remove glass bottle.	Step 9  Now pour the carbonated water into a clean glass and test for colour and taste. Another glass of the same uncarbonated water should be used as a control sample against which the odour and taste can be compared.	
 CAUTION While handling liquid CO ₂ and cylinders under pressure make sure the above mentioned steps are followed exactly. Under no circumstances disconnect the sampling cylinder while the CO ₂ valve of the tank or cylinder is open!				

Easy step by step instruction

ASCO CO₂ Carbonation Tester: Standard scope of supply

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Complete kit comprises:

- CO₂ aluminium cylinder with special hard inner coating for neutral taste
- unit to carbonate water
- 2 glass bottles 0.615l
- device to empty CO₂ cylinder
- four adaptors:
 - 1 1/2" female
 - 1" female
 - 1/4" male
 - CO₂ female (W21.8 × 1/14")

