

H₂O SYSTEM INSTALLATION GUIDE

UNDER COUNTER DISPENSER UNIT (UCD)

Pre-Placement Inspection List

- 1. PLACEMENT** The placement of the H₂O "under counter dispensing" (UCD) unit must be on a dry, level supported surface. This surface must support a minimum weight of 120 LBS on four legs. The UCD requires at least 6 inches surrounding the unit on all sides. It is not recommended to install the UCD in an enclosed cabinet. If installation in an enclosed cabinet is required the cabinet must be vented and a small fan is required to remove heat. The more space allocated around the UCD and the more heat removed from the space the better the performance of the UCD. Note; that the unit can be sideways or reverse if required to make it fit in the cabinet space available.
- 2. POWER** The wall plug for the UCD must be a minimum 15amp dedicated standard 3 prong 5-15P wall plug. The plug needs to be within 4 feet of the UCD.
- 3. WATER** The UCD operates most effectively with a minimum of constant 60psi cold water pressure. The UCD requires a direct water connection, no exceptions. The water supply can not be connected to other devices or appliances. The UCD can run at a "constant" lower pressure (minimum 35psi constant inlet pressure) but lower water pressure will dramatically effect performance. Low pressure can cause the UCD to pour slower and have lower carbonation levels. If the water pressure is not "constant" the flow rate will be effected. If fluctuations in water pressure occur this will effect the speed & balance between H₂O & CO₂. If the balance between the CO₂ pressure to H₂O pressure (8psi) are not maintained and constant the UCD can start to spit gas and not fill the carbonator with water. If low water pressure exists and affects UCD performance the use of a water booster system is recommended. A water booster guarantees constant water pressure to the UCD greatly improving performance. The cold water connection must be accessible to the UCD system and have a ¾ – 11.5 NH male garden hose thread with shutoff installed. The water connects to the UCD with the supplied ¼ x ¾ water approved tubing. The UCD internal bath must be filled with water prior to unit operation. This water bath is used to chill and carbonate water.
- 4. GAS** The UCD requires CO₂ gas to carbonate the sparkling water. A constant supply of CO₂ that is 8 LBS higher than the supplied water pressure is required. It is recommended that the UCD be supplied with 60psi water pressure and 68 LBS CO₂ pressure. If using bottled CO₂ the tank must be stored in the upright position. Use food grade CO₂ gas only from a trusted local gas provider.
- 5. FILTRATION** The UCD unit comes with a H₂O regulator, shutoff, check valve & filter head assembly. This filter head assembly needs to be fastened and supported in a vertical position in an area that is accessible. The Micro Matic identified H₂O filter will be attached to the filter head on the H₂O regulator assembly. The Micro Matic Water filter will require changing at a minimum every 6 months in a small volume account and every 3 to 4 months on a medium volume account. The H₂O regulator assembly must be placed minimum 17" above any base or floor for filter changes.

The UCD unit comes with an H₂O regulator, shutoff, check valve & filter head assembly. This filter head assembly needs to be fastened and supported in a vertical position in an area that is accessible. The Micro Matic identified H₂O filter will be attached to the filter head on the H₂O regulator assembly and will require change out at a minimum every 6 months in a small volume account and every 3 to 4 months on a medium sized volume account. The H₂O regulator assembly must be placed minimum 17" above any base or floor for filter changes.
- 6. TOWER & TRAY** The UCD kit comes with either a Xenia (small space tower) or Magic (large space tower). The Xenia with dump tray requires 11.9" of width & 13.6" of depth. The Xenia requires one 1.1" mounting pipe hole to secure it to the counter top. The Magic with dump tray requires 11.9" of width & 16.6" of depth. The Magic requires one 2" mounting pipe hole to secure it to the counter top. *NOTE; The Magic tower is illuminated and requires 115v 15amp standard wall plug. The Magic tower is supplied with a low voltage transformer to attach to.*
- 7. SERVICE & MAINTENANCE** The UCD requires regular scheduled maintenance of the condenser (cleaning), the bath (adding water), the filter (replacement) and CO₂ (bottle change). These changes will be required minimum every 6 months or when necessary by a technician or trained staff.

