



# H<sub>2</sub>O SYSTEM INSTALLATION GUIDE

## COUNTER TOP DISPENSER UNIT (CTD)

### Pre-Placement Inspection List

- 1. PLACEMENT** The placement of the H<sub>2</sub>O "Counter Top Dispenser" (CTD) unit must be on a dry, level supported surface. This surface must support a minimum weight of 120 LBS on four legs. The CTD requires at least 6 inches surrounding the unit on all sides. The more space allocated around the CTD and the more heat removed from the space the better the performance of the CTD.
- 2. POWER** The wall plug for the CTD must be a minimum 15 amp dedicated standard 3 prong 5-15P wall plug. The plug needs to be within 4 feet of the CTD.
- 3. WATER** The CTD operates most effectively with a minimum of constant 60psi cold water pressure. The CTD requires a direct water connection, no exceptions. The water supply can not be connected to other devices or appliances. The CTD 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 CTD 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 H<sub>2</sub>O & CO<sub>2</sub>. If the balance between the CO<sub>2</sub> pressure to H<sub>2</sub>O pressure (8psi) are not maintained and constant the CTD 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 CTD greatly improving performance. The cold water connection must be accessible to the CTD system and have a  $\frac{3}{4}$  - 11.5 NH male garden hose thread with shutoff installed. The water connects to the CTD with the supplied  $\frac{1}{4}$  x  $\frac{3}{8}$  water approved tubing. The CTD internal bath must be filled with water prior to unit operation. This water bath is used to chill and carbonate water.
- 4. GAS** The CTD requires CO<sub>2</sub> gas to carbonate the sparkling water. A constant supply of CO<sub>2</sub> 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 CO<sub>2</sub> pressure. If using bottled CO<sub>2</sub> the tank must be stored in the upright position. Use food grade CO<sub>2</sub> gas only from a trusted local gas provider.
- 5. FILTRATION** The CTD unit comes with a H<sub>2</sub>O 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 H<sub>2</sub>O filter will be attached to the filter head on the H<sub>2</sub>O 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 H<sub>2</sub>O regulator assembly must be placed minimum 17" above any base or floor for filter changes.
- 6. SERVICE & MAINTENANCE** The CTD requires regular scheduled maintenance of the condenser (cleaning), the bath (adding water), the filter (replacement) and CO<sub>2</sub> (bottle change). These changes will be required minimum every 6 months or when necessary by a technician or trained staff.

