

Installation Technical Warning for BW1000A Flojet Units When Used with Home Refrigerators with External Filters

Use of Flojet BW Series with Filtration for Home Refrigerators

Flojet BW series bottled water dispensers can be plumbed directly to consumer refrigerator models with water dispensing and/or ice-making functions, and thousands are currently used for this purpose. However, occasional calls from customers using Flojet BW units for this application have resulted in the identification of the following:

If an **external filter unit** is installed in-line to your refrigerator, such a device can cause water-line restriction to the extent that it causes the Flojet BW unit to over-cycle. In this condition, numerous clicking sounds can be heard while the unit is supplying water to the refrigerator. This is an indication of the filter unit being unable to accept the volume of water being supplied by the BW unit, and will result in the premature failure of the BW unit. Under normal conditions, the BW unit turns on to supply water, and one click can be heard. When the BW unit turns off, one more click can be heard.

When using bottled water from a reliable source, there is no need for an **external in-line filter device**, and its use with the Flojet BW unit can not be endorsed or advised by Flojet. If the filter unit was previously required for use with municipal water, simply remove the filter unit prior to installing the Flojet BW unit and bottled water supply.

Many consumer refrigerator models now feature an **internal filter unit** built into the refrigerator. Such a device will cause the same problem as an external filter unit. However, it is not usually possible to operate the water dispenser and ice-making functions without the internal filter in place. If your refrigerator has an **internal filter unit**, consult the manufacturer to determine if the filter unit can be easily bypassed, or if a "dummy" filter unit can be installed in its place. This would be an empty filter unit without any filter material, allowing unrestricted flow of water.

If you have no choice but to use your refrigerator with the supplied **internal filtration unit**, be advised that it may cause excessive cycling of the Flojet BW unit. In this situation, you may greatly reduce excessive cycling of the Flojet BW unit by installing an external accumulator tank within twelve inches of the Flojet BW unit's discharge port. Flojet offers p/n 30573-0002, mini-accumulator tank, and p/n 20381-064, tank fittings that allow quick and easy connection of ¼" O.D. tubing supplied with your Flojet BW unit.

The Flojet BW series bottled water dispenser will generate a maximum pressure of 40 psi, and a flow rate of .25-.85 gpm, depending on the amount of restriction caused by the filtration design. It is the responsibility of the user to determine if the filtration design unit can accept the water flow and water pressure provided by the Flojet BW unit, without causing the failure of the Flojet BW unit.