

### Dispenser Installation to Water Systems:

It is essential that Streamline air gap dispensers be connected to water supply systems in accord with local regulations. Such regulations are often specific about the materials used to convey water from the supply system to the dispenser and about the effect of the installation on atmospheric vacuum breakers built into a supply source.

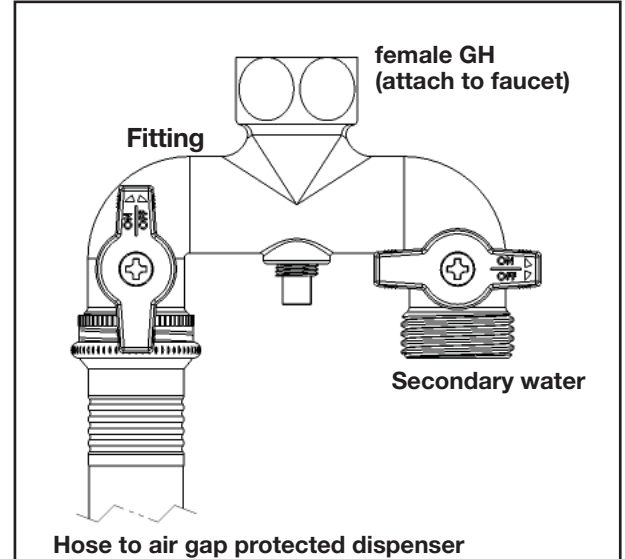
#### **1. Connection materials**

Rigid or flexible pipe and tubing can be used successfully. Since such materials are ahead of the air gap protection dispenser, they are generally required to be approved for potable water contact. In some jurisdictions there are flexible rubber hoses which are acceptable. Water connection by soft copper tubing with compression fittings, "hard plumbing" such as in-building construction, and use of IAPMO listed flexible hose assemblies are generally acceptable. Aqua-Flo is a major brand of IAPMO listed flexible hose assemblies. It is important to know the requirements which apply to the area of intended installation so that they can be properly met.

#### **2. Pressure Relieving Connection Valve**

There are installation challenges where the desired water source is a faucet with a built-in atmospheric vacuum breaker. Permanent connection to such a faucet prevents other uses of the faucet, and it will probably compromise the effectiveness of the built-in vacuum breaker, since atmospheric vacuum breakers are not to be held under constant pressure. These installations can be successfully achieved by connecting a device which allows a small discharge of water from a venting port. Hydro's **Model 1951** (illustrated at right), is such a device. This device is a fitting that connects to a faucet outlet. The one side of the valve is fitted to a flexible tubing assembly to convey water to the dispenser, and this is attached as a permanent part of the dispenser. The casting between valves is equipped with a small orifice such that water always runs from the orifice. The other side of the valve can allow for other uses. The regular discharge from the orifice serves as a reminder to shut off water when dispenser use is complete. When the supply is shut off, the orifice relieves pressure in the supply line to prevent the vacuum breaker in the faucet from being held under pressure.

**Hydro Model 1951**



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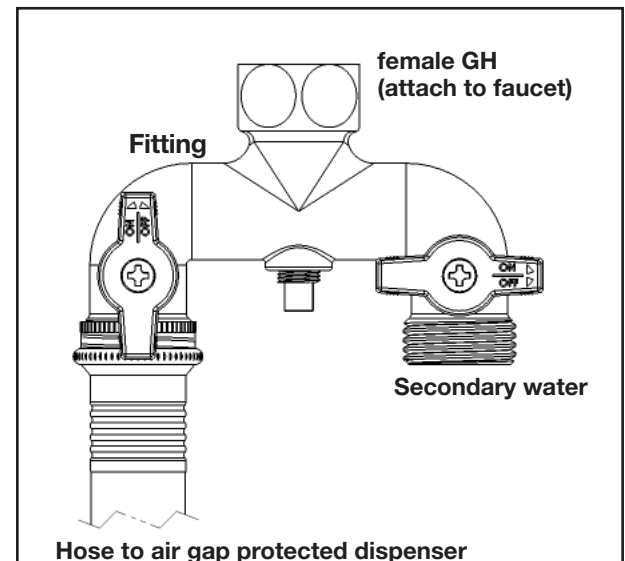
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