Overview: Bottle refill stations have been installed in place of water fountains in select locations since fall, 2010. The units have been installed by local maintenance, Zone maintenance, Plumbing Services and Construction Services. In an effort to streamline the process the following guide has been developed. Individuals that are considering the purchase of a Bottle Refill Station should read this document.

How to select the right style for your location: Gooseneck or Glass Filler Kits can be attached to some water fountains. Non bowl style water fountains must have a ‘punch-out’ on the top surface.

The newer bowl style water fountains can also have goosenecks attached. A hole is drilled in the ‘arm’ of the unit. (see the Ross School example on right)

Gooseneck style faucets can also be installed in restrooms. (See Walgreens example on right)

Retrofit: If your water fountain is working and is one of the following styles, it could have a retrofit placed on it. This converts your water fountain to a water refill station.

<table>
<thead>
<tr>
<th>Brand</th>
<th>Water fountain model</th>
<th>Retrofit model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elkay</td>
<td>EZ and LZ water coolers</td>
<td>Retrofit options</td>
</tr>
<tr>
<td>Halsey Taylor</td>
<td>HAC model water cooler</td>
<td>HAC Retrofit options</td>
</tr>
</tbody>
</table>

Hopefully one of these options will work for your proposed location. If so, proceed to your work order and indicate the style you would like. If these won’t work for you, proceed with the following steps.

Step One: Evaluate ADA compliance by determining the following.

1. Evaluate the current water fountains installed at the facility.
   - There should be at least one sitting height (36” maximum spout height)
   - and one standing height (38” min - 43” spout height) fountain on the floor

   The one you are replacing should be installed to meet this requirement. For instance; if you have 2 water fountains and they are both currently sitting height, the replacement fountain should be installed at standing height.

2. Evaluate the profile of the fountain you want to replace to the hallway. If the fountain will protrude into the hallway more than 4 inches the front lower edge that protrudes must be 27 inches or lower to allow for cane detection. The
sitting height can be installed to meet this requirement. If you are installing at standing height, an apron will need to be purchased.

NOTE: Document the findings with photographs of the current water fountains, the measurements and number of fountains on the floor.

If you can satisfy the requirements, move to selecting the water refill station (step two) that you would like to have installed. If the conditions do not satisfy the requirements, contact AEC for suggestions for building code and ADA compliance.

Step Two: Determine the style that is right for your application.

Standard equipment
We have special pricing on Elkay LZS8WSSP or LZS8WSLP. This is the standard that is being used on campus but not exclusively. This combination kit combines the water refill portion with a traditional water fountain or “bubbler”.

Wall or Surface mounted: These can be installed as additional water locations but cannot be used to replace existing drinking fountains. These designs do not provide a ‘bubbler’ or what is commonly referred to as the water fountain.

- In wall design or surface mounted
  - Elkay
  - Brita hydration station
  - Halsey Taylor

Filter and Chiller choices

1. Our university plumbers recommend the filtered model. This will extend the life expectancy of the unit. Filters need to be changed based on usage. A high usage location might need a filter change every 3-6 months. NOTE: Your location may have high levels of sediment in the water. If the existing water fountain had a separate filter attached, chances are the new fountain should contain a filter.

2. The units come with or without a chiller. Chillers make the water colder but also contribute to the energy cost for the fountain. If your location has high volume of usage, the water will generally be cold from constant use.

Step Three: Prepare your work order to Plant Operations.

Work Order estimate request: https://services.plantops.umich.edu/Default.aspx?form=estimate

NOTE: Be very specific regarding the location, your research of other fountains on the floor, the style you would like to have and why. wtrrfi-2016 project. This information will help Plant provide the most accurate estimate and will get your water refill station on the Sustainability Map.

Within 5 days you should receive a budget estimate or within 30 days a Fixed Priced estimate for installation of the water refill station requested.

Once you have accepted the estimate a representative will contact you to schedule the installation of this new equipment. Ferguson is the Plumbing vendor for the university for these water refill stations and will provide bulk pricing.
FAQ

Why is there a variable cost for installation? Aren’t all water fountains replacements the same?

The installation cost will vary based on conditions. The cost could be as low as $1500 or in some cases exceed $5000. With any new water fountain additional items beyond removing the old unit and installing the new one might add to the cost. There may be an additional charge for the preparation of the area for the installation of the bottle refill station and drinking fountains. The electrical may need to be moved (older units have the electric outside of the water fountain space-newer units are within the footprint of the fountain), or there might be a very small window for the plumbing. The change in height of a fountain to accommodate code/ADA requirements might require movement of the stack or drain.