Worcester Public Schools:
Dept. of Facilities Management

Bid Specifications to Furnish & Install Drinking Water Fixtures with Bottle Filling Stations

Section 1 - Project Scope of Work (SOW):

The Worcester Public Schools (WPS) is seeking a vendor to procure and install 91 drinking water fixtures in 30 different school buildings across the District (City of Worcester). In addition, WPS is also seeking that one set of replacement filters be provided with all 91 fixtures. All fixtures will be replacing existing drinking water fountains or water coolers, constituting a one-to-one swap of existing units for new code compliant fixtures.

- Details regarding the school locations, and number of fixtures to be installed, can be found in the drawing set/bid documents provided, "*District-Wide Drinking Fountain Replacement Project*" dated March 1, 2024.
- Photographs of the locations for the installation of the fixtures can be found in the drawing set/bid documents provided, "*District-Wide Drinking Fountain Replacement Project*" dated March 1, 2024.
- Full architectural floor plans of each school location may be furnished to winning bidder. MEP Drawings do not exist for all locations; WPS will furnish known valve and shutoff locations to the awarded bidder where possible. Plumbing connections must be field verified for each site and unit location by the awarded bidder as part of SOW ahead of installation of units. Any incompatibilities shall be brought to the attention of the Owner before final installation is scheduled.
- Electrical service disconnects and reconnects for all units will be by Owner's in-house electrical trades staff, in coordination with the awarded vendor.
- Abatement and hazardous materials mitigation, if necessary, will be conducted under separate contract by Owner, in coordination with WPS Environmental Health and Safety Division of the Facilities Department.

Awardee will be responsible for engaging all trades disciplines necessary to complete specified SOW, which includes demolition, storage, and disposal of existing units, as well as architectural modifications if required. The WPS will make all reasonable efforts to ensure that locations of shutoff valves are provided to winning bidder, but the awardee must field verify before performing any plumbing shutdowns that impact other building systems. All shutdowns must be scheduled in advance and approved by the WPS Facilities Department in writing.

Section 2 - Fixture Specifications:

Furnish (91) identical brand fixtures meeting the required specifications in *Figure 1.0* (on following page) at a minimum, as well as the additional requirements listed below. (80) units will be included in the base bid, with an additional (11) defined as "*Alternate #1*".

Acceptable manufacturers include **Elkay, Murdock/Morris Group, HAWS, Oasis, Halsey Taylor** or approved equivalent.

- Fixtures must include a bottle filler with one or two, depending on location, drinking fountain(s). Fixture types include:

1WC1BF = (1) water drinking fountain, (1) bottle filler
2WC1BF = (2) water drinking fountains, (1) bottle filler

  - Fixture types are specified in listing found in the bid drawings and also in *Section 4* of this document, "*Location Listing.*"
- Fixtures must be refrigerated/cooler units.
- Fixtures must be commercial-grade and approved for use by the Mass. Plumbing Code.
- Fixtures must be ADA compliant.
- Furnish one (1) replacement filter per the required filter specifications listed in *Figure 1.0* for each fixture. Replacement filter stock to be delivered to the WPS Facilities Department located at 115 NE Cutoff – Building 2, Worcester, MA 01606.

Figure 1.0 – Fixture minimum required technical specifications:

1) Bottle Filling Stations, Filter Additions and Retrofit Units, must be:

a) constructed of a durable anti-microbial, anti-corrosion material or stainless steel;
b) certified to National Sanitation Foundation International (NSF) and American National Standards Institute (ANSI) standards for the number of contaminants that leach from the products into the drinking water (NSF/ANSI 61) and a maximum lead content by weight (NSF/ANSI 372);
c) contain a visible LED indicator for filter maintenance;
d) meet Americans with Disabilities Act (ADA) guidelines for reach range and wheelchair access.

2) Filters and Replacement Filters, must be:

a) certified to NSF International/ANSI standards 42 and 53 for the removal of lead and other contaminants with documented evidence that the filters reduce lead below 1 ppb and;
b) have at least a 3,000-gallon capacity.

3) Additional Recommendations from MassDEP:

Particulate Filters
Utilizing a particulate filter in addition to the onboard filter could extend the useful life of fixtures and filters while decreasing the risk of filters being compromised by particulates.

Vandal-Resistant
For locations with heavy traffic or high-fixture-usage, consider the more durable construction found in vandal-resistant fixtures.

Filter Shut Off
MassDEP recommends the use of fixtures that will shut-off when the filter has reached the end of its service life.

Note: Eligible fixtures and filters must be certified by NSF/ANSI and must be listed on nsf.org

Section 3 - Installation:

Installation procedures shall follow all manufacturers guidelines and protocols, and the additional guidance provided in *Figure 2.0, "Mass DEP Point of Use (POU) Device Installation Guidance"*

- Fixtures shall be stored by contractor and brought to each school location immediately prior to installation, as on-site storage of materials outside of active work will not be permitted without prior approval by Owner.
- Awardee to pull all necessary permits for unit removal and installation.
- Awardee to attend all required inspections at no additional cost to the Owner.
- While school is not in session, all work to be conducted between the hours of 7:00 am - 3:00 pm, unless granted prior authorization by the WPS Facilities Department Management Team. When School is in session, work hours are second shift, 3:00 pm – 10:00 pm, with advanced coordination, dependent on specific building location.
- Installation may commence on Monday, June 24, 2024.
- Installation shall be completed by Friday, October 4, 2024.
- Remove any identified existing drinking water fixtures and properly dispose of fixtures off-site.
- Identify any suspected hazardous materials to the WPS Facilities Department, for coordination and removal by Owner. Owner will furnish listing of known hazardous materials to the awarded vendor for their records and planning, as applicable.
- Area of work must be broom-clean and organized at the close of each shift. Floor and wall protection is required where the demo and install may damage the surrounding areas and must be provided at the discretion of the Owner.
- Behind each new fixture, as required, in-wall bracing and structural support must be installed per fixture manufacturer specifications.
- Finish wall with a PVC composite backing sheet, minimum ½" thick. All wall backers to be light gray or white in color and to have beveled edges, cut on site as needed to conform to each specific installation. Backer must be securely fastened to the existing wall using physical connections. Provide caulking where necessary to ensure backer panel is sealed around the perimeter. Product data sheet and proposed material to be provided to and approved by the WPS Facilities Department before installation.
- Follow all guidance shown in *Figures 3.0 - 3.2* with regarding to mounting heights and clearances around fixtures. All fixtures must be installed in compliance with federal ADA/ and state MAAB guidelines.
- Follow all protocols in *Figure 2.0*, including flushing units prior to installation of filters.
- Follow any manufacturer's recommendations for flushing units after installation of filters.
- Date of installation to be written in permanent marker on each filter.
- Units to be turned off (no water or power) upon completion of installation so that necessary post-installation testing can be conducted.

A proposed schedule and timeline shall be furnished to the WPS for approval prior to commencement of work. The Owner reserves the right to schedule work at specific locations with input from the awardee as required, to accommodate ongoing school programs and events that may take place over the duration of the project.

Figure 2.0 – Mass DEP Point of Use (POU) Device Installation Guidance:

Installation

All parties installing, repairing or maintaining these devices should wash their hands and use clean sanitary tools and practices.

Devices should be located where they are protected from tampering and vandalism.

Flushing: Prior to installation of the POU device, the water line needs to be flushed (for at least 10 minutes) in order to remove sediment from the pipe, which could clog the device filter.

Certified Devices: Use only POU treatment devices and filter replacements that are certified to NSF International /ANSI standards for the removal of lead and copper. Current organizations certifying to these standards include NSF International, Water Quality Association (WQA), Underwriters Laboratory (UL), and the International Association of Plumbers and Mechanical Officials (IAPMO). Always verify with the organization that the device has been tested and certified for the removal of lead and/or copper.

Follow State and Local Requirements: Installation of POU devices must be done by a licensed plumber in accordance with the Massachusetts Board of State Examiners of Plumbers and Gas Fitters - 248 CMR 1.00 - 11.00.

Install on Cold Water Lines Only: Install POU devices on the cold water supply lines of the facility's plumbing. Do not attach devices to hot water supply line to the filter.

Shut off Valve: Install a water shutoff valve on the incoming cold water supply line to aid in future servicing of POU device filter.

Check for Leaks: After installing new POU devices, open the water supply valve and check for leaks. Flush the system sufficiently (approximately three minutes) to effectively remove residue before putting the outlet back into use.

Cross Connections and Local Public Water Supplier: Inform your local PWS when the installation of a POU device is complete. They may wish to conduct a cross connection control survey.

Figure 3.0 – Typical Unit Elevation & Clearances:

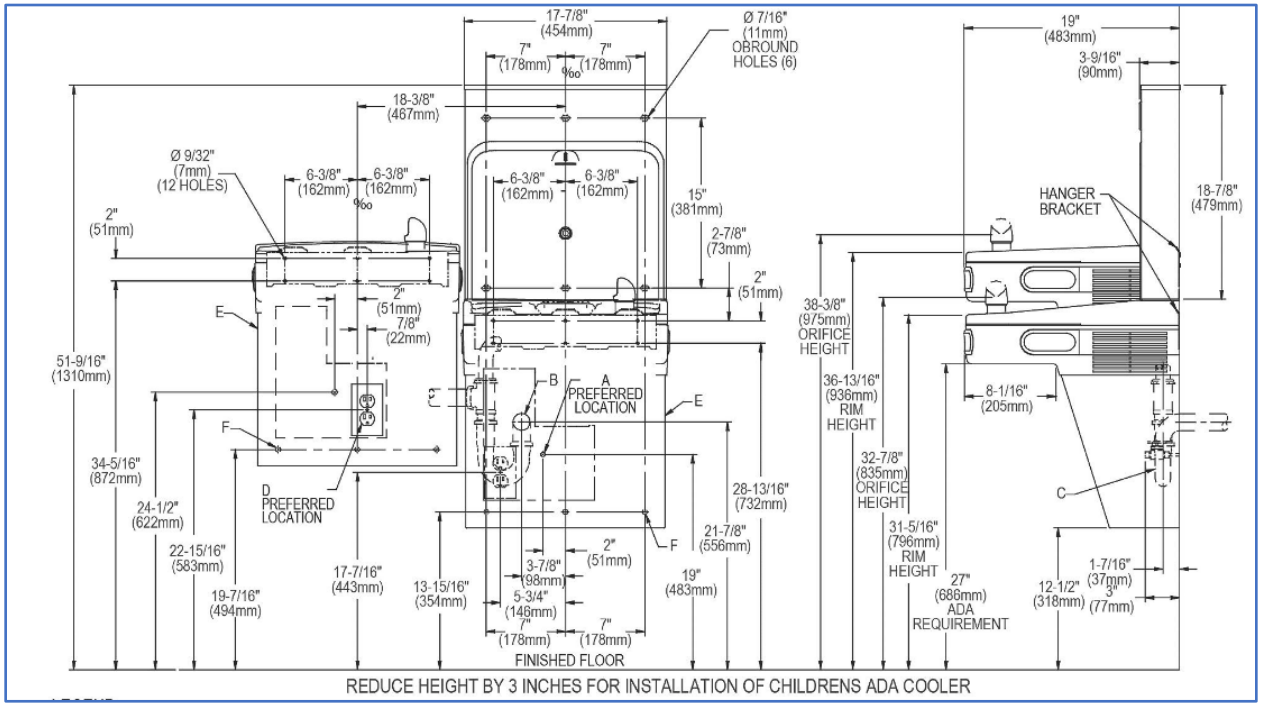


Figure 3.1 – Typical Unit Elevation & Clearances:

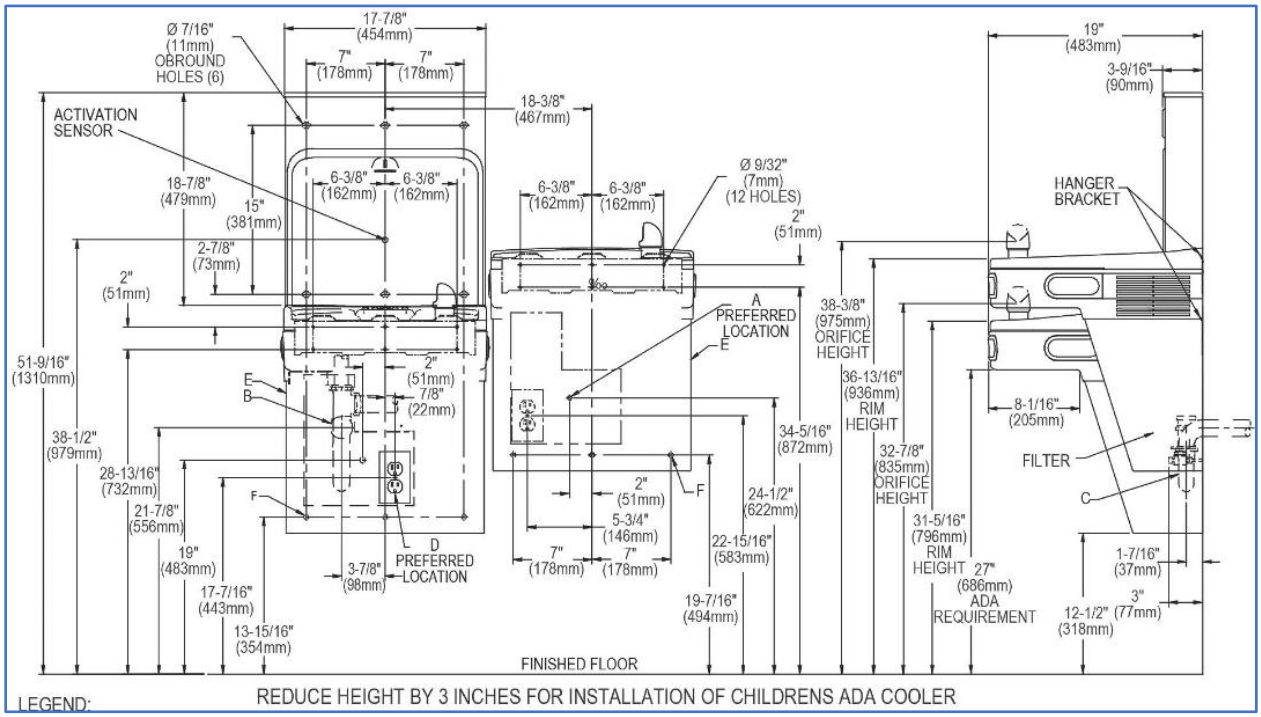
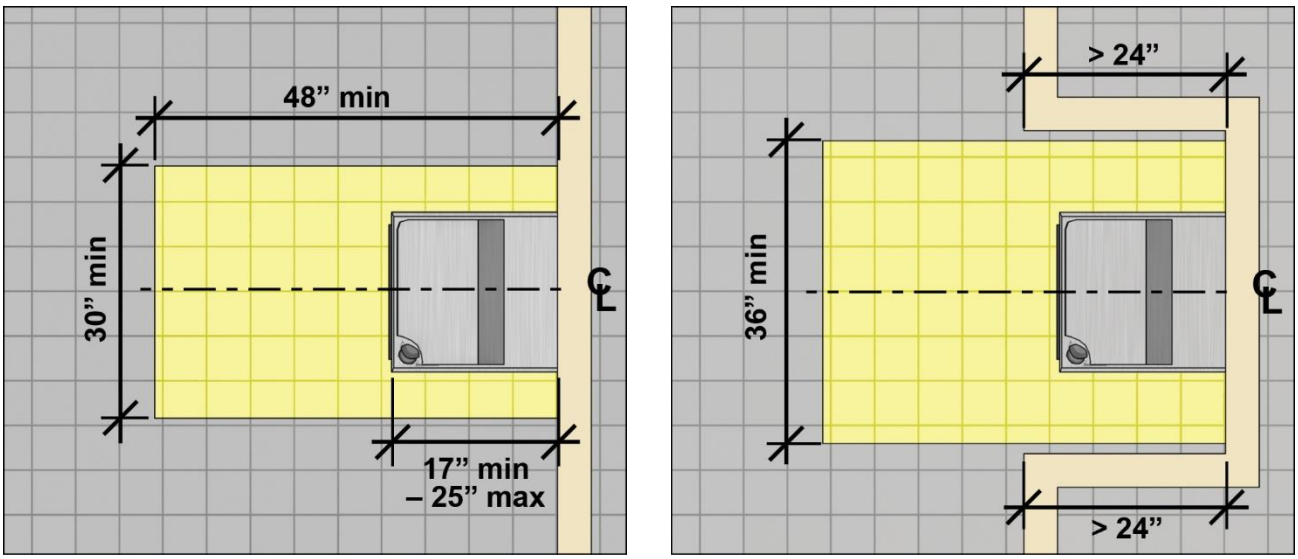


Figure 3.2 – Typical Unit Plan Clearances:



Section 4 – Location Listing:

Sheet #	School Name	Loc. ID	Fixture code	Bldg. Level	Location Description	Fixture Type	Alt #1
A01	Burncoat High School	O36	DW	Basement	Gym - Near far exterior doors	1WC1BF	
A02	Canterbury Elem. School	OO6	DW	1st floor	Hallway outside girls room - right	2WC1BF	
A02	Canterbury Elem. School	O27	DW	2nd floor	Outside Room 205 - right	2WC1BF	
A03	Canterbury Elem. School	O37	DW	3rd floor	Outside Room 305 - right	2WC1BF	
A04	Chandler Magnet Elem. School	O33	DW	C-Wing 1st floor	Main Lobby	1WC1BF	
A04	Chandler Magnet Elem. School	OO8	DW	A-Wing 1st floor	Hallway across from Room 107	1WC1BF	
A05	Chandler Magnet Elem. School	O12	DW	A-Wing 2nd floor	Hallway across from Room 203 - left	1WC1BF	
A06	City View Elem. School	OO1	DW	1st floor	Hallway across from Room 101	1WC1BF	Yes
A06	City View Elem. School	O19	WC	2nd floor	Outside Gym - high	2WC1BF	
A07	City View Elem. School	O29	DW	3rd floor	Hallway across from room 302	1WC1BF	
A07	City View Elem. School	O40	DW	4th floor	Hallway outside Library	1WC1BF	
A08	Claremont	OO2	WC	3rd floor	Outside custodial office - right	2WC1BF	
A08	Claremont	O13	WC	1st floor	Outside custodial office - right	2WC1BF	
A09	Claremont	OO7	WC	2nd floor	Outside custodial office - right	2WC1BF	
A10	Elm Park Comm. Elem. School	O13	DW	1st floor	Hallway across from Room 124	1WC1BF	
A10	Elm Park Comm. Elem. School	O24	DW	2nd floor	Lobby outside Mens & Womens bathrooms	1WC1BF	
A11	Fanning	OO7	WC	Basement	Hallway outside Custodian Office	1WC1BF	
A11	Fanning	OO6	WC	1st floor	Hallway outside Room 105	1WC1BF	
A12	Fanning	OO4	WC	2nd floor	Hallway between Rooms 205 & 207	1WC1BF	
A12	Fanning	OO1	WC	3rd floor	Hallway outside Room	1WC1BF	Yes
A13	Foley	OO2	DW	Ground	Home team locker room	1WC1BF	
A13	Foley	OO3	DW	Ground	Away team locker room	1WC1BF	

A14	**Forest Grove Middle**	O25	WC	1st floor	Hallway across from Main Office - right	2WC1BF	
A14	**Forest Grove Middle**	O44	WC	1st floor	Hallway outside Room 123 - left upper	2WC1BF	
A15	**Forest Grove Middle**	O49	WC	2nd floor	Hallway outside Room 205 - right lower	2WC1BF	
A16	**Gates Lane Elem. School**	OO6	WC	1st floor	Across from elevator	1WC1BF	
A16	**Gates Lane Elem. School**	OO8	WC	1st floor	Hallway outside Room 118 bathrooms	1WC1BF	Yes
A17	**Gates Lane Elem. School**	O14	WC	2nd floor	Hallway across from Room 202 Library	1WC1BF	
A17	**Gates Lane Elem. School**	O18	WC	3rd floor	Hallway across from Room 302	1WC1BF	
A18	**Gates Lane Elem. School**	O39	WC	4th floor	Hallway across from Room 402	1WC1BF	
A19	**Grafton Street Elem. School**	O16	WC	Basement	Bldg 1 - Outside boys room - right	2WC1BF	
A20	**Greendale**	OO5	DW	Basement	Outside girls room - left	2WC1BF	
A21	**Jacob Hiatt Magnet Elem. Scl**	O13	DW	1st floor	1st Floor hallway next to stairs	1WC1BF	
A21	**Jacob Hiatt Magnet Elem. Scl**	O21	DW	2nd floor	Hallway across from Room 210	1WC1BF	
A22	**Jacob Hiatt Magnet Elem. Scl**	O22	WC	3rd floor	Hallway across from Room 308	1WC1BF	
A23	**Lake View Elem. School**	OO5	DW	1st floor	Outside girls room - right	2WC1BF	
A23	**Lake View Elem. School**	O1O	DW	1st floor	Outside boys room - right	2WC1BF	
A24	**May Street Elem. School**	OO7	DW	Basement	Cafeteria	1WC1BF	
A24	**May Street Elem. School**	OO6	DW	1st floor	Hallway outside Room 3	1WC1BF	
A25	**May Street Elem. School**	OO1	DW	2nd floor	Hallway across from boys room	1WC1BF	
A26	**Mill Swan Elem. School**			A-side	Central main office area	1WC1BF	
A27	**Millbury Street**	OO2	OT	1st floor	Next to the sink by classroom	1WC1BF	
A27	**Millbury Street**	OO1	OT	2nd floor	Next to sink by classroom	1WC1BF	
A28	**New Citizen Center**	OO5	DW	1st floor	Hallway between bathrooms - right	2WC1BF	
A29	**Norrback Ave. Elem. School**	O37	WC	2nd floor	Between boys & girls room	2WC1BF	

A30	**Quinsigamond Elem. School**	OO5	WC	1st floor	1st floor between boys & girls room	2WC1BF	
A30	**Quinsigamond Elem. School**	O21	WC	2nd floor	2nd flr hall across from girls room	2WC1BF	
A31	**Quinsigamond Elem. School**	O41	WC	3rd floor	3rd floor hall across from girls room	2WC1BF	
A32	**Roosevelt Elem. School**	O16	WC	1st floor	Hallway outside mens room and Room 131	1WC1BF	
A32	**Roosevelt Elem. School**	O27	WC	2nd floor	Hallway across from Room 208	1WC1BF	
A33	**Roosevelt Elem. School**	O4O	WC	3rd floor	Hallway across from Room 308	1WC1BF	
A33	**Roosevelt Elem. School**	O53	WC	4th floor	Hallway across from Room 408	1WC1BF	
A34	**Sullivan Middle School**	O14	DW	1st floor	Hallway across from elevator	1WC1BF	Yes
A34	**Sullivan Middle School**	O18	WC	1st floor	Hallway outside Room 110 bathrooms - right	2WC1BF	
A35	**Sullivan Middle School**	O2O	WC	1st floor	Hallway outside Room 130 bathrooms - right	2WC1BF	Yes
A35	**Sullivan Middle School**	O11	WC	2nd floor	Hallway outside Room 210 bathrooms - right	2WC1BF	
A36	**Sullivan Middle School**	OO7	WC	3rd floor	Hallway outside Room 310 bathrooms - right	2WC1BF	
A37	**Thorndyke Rd. Elem. School**	O13	DW	1st floor	Back wing hallway outside bathrooms	1WC1BF	
A38	**Union Hill Elem. School**	OO2	DW	1st floor	Hallway outside main office	1WC1BF	
A38	**Union Hill Elem. School**	O22	DW	1st floor	Bldg 2 - Hallway across from Room 7	1WC1BF	
A39	**Vernon Hill Elem. School**	O23	DW	3rd floor	Hallway across from Grey Cafeteria - right	2WC1BF	
A40	**West Tatnuck Elem. School**	OO5	DW	1st floor	Hallway between Rooms 11 & 12	1WC1BF	
A40	**West Tatnuck Elem. School**	O33	DW	1st floor	Hallway across from Room 8	1WC1BF	
A41	**Woodland Academy**	O25	WC	1st floor	Outside custodial room - right	2WC1BF	
A41	**Woodland Academy**	O27	WC	2nd floor	Outside custodial room - right	2WC1BF	
A42	**Woodland Academy**	O61	WC	3rd floor	Outside custodial room - right	2WC1BF	
A43	**Worcester Arts Magnet School**	O49	WC	1st floor	Main lobby - right	2WC1BF	
A44	**Worcester East Middle School**	O43	DW	2nd floor	Hallway outside Room 207	1WC1BF	Yes

A45	**Worcester Technical H.S.**	1OO	WC	Bldg A - Ground floor	Cafeteria Room A001 - right	2WC1BF	
A45	**Worcester Technical H.S.**	12O	WC	Bldg B - Ground floor	Outside Room B010 - low WC	2WC1BF	Yes
A46	**Worcester Technical H.S.**	O97	WC	Bldg A - 1st floor	Hallway outside girls bathroom A115 across from office	2WC1BF	
A46	**Worcester Technical H.S.**	1O3	WC	Bldg B- 1st floor	Outside Room B105 bathrooms near salon - lower WC	2WC1BF	
A47	**Worcester Technical H.S.**	O49	WC	Bldg C - 1st floor	Room C120 - outside bathrooms	1WC1BF	
A47	**Worcester Technical H.S.**	O50	WC	Bldg C - 1st floor	Room C128 Carpentry - outside bathrooms	1WC1BF	
A48	**Worcester Technical H.S.**	1O7	WC	Bldg C - 1st floor	Room C109 Plumbing - middle of room	1WC1BF	
A48	**Worcester Technical H.S.**	O52	WC	Bldg D - 1st floor	Room D108 Auto - left	1WC1BF	Yes
A49	**Worcester Technical H.S.**	O53	WC	Bldg D - 1st floor	Room D120 Auto Tech - middle of room	1WC1BF	
A49	**Worcester Technical H.S.**	11O	WC	Bldg D - 1st floor	Across from Room D106 - right	2WC1BF	
A50	**Worcester Technical H.S.**	O88	WC	Bldg E - 1st floor	Outside Room E123 - lower WC	2WC1BF	
A50	**Worcester Technical H.S.**	O80	WC	Bldg B - 2nd floor	Room B239 outside bathrooms Room B231	1WC1BF	Yes
A51	**Worcester Technical H.S.**	O82	WC	Bldg B - 2nd floor	Outside Room B210 - low WC	2WC1BF	
A51	**Worcester Technical H.S.**	O84	WC	Bldg E - 2nd floor	Outside Room E202 - low WC	2WC1BF	
A52	**Worcester Technical H.S.**	O91	WC	Bldg E - 2nd floor	Outside Room E210 storage near stairs - lower WC	2WC1BF	
A52	**Worcester Technical H.S.**	O68	WC	Bldg B - 3rd floor	Hallway near Room B310 - low WC	2WC1BF	
A53	**Worcester Technical H.S.**	O57	WC	Bldg C - 3rd floor	Outside Room C345 bathrooms - low WC	2WC1BF	
A53	**Worcester Technical H.S.**	O58	WC	Bldg C - 3rd floor	Room C325 Electrical	1WC1BF	Yes
A54	**Worcester Technical H.S.**	O59	WC	Bldg C - 3rd floor	Room C312/C311 - Painting & Decorating	1WC1BF	
A54	**Worcester Technical H.S.**	O60	WC	Bldg C - 3rd floor	Room C304/C305 HVAC	1WC1BF	
A55	**Worcester Technical H.S.**	O55	WC	Bldg D - 3rd floor	Room D325 Welding outside bathrooms	1WC1BF	Yes

A55	**Worcester Technical H.S.**	O92	WC	Bldg D - 3rd floor	Room D317 Machine Shop near bathrooms	1WC1BF	
A56	**Worcester Technical H.S.**	O73	WC	Bldg B - 4th floor	Outside Room B407 - low WC	2WC1BF	
A56	**Worcester Technical H.S.**	O77	WC	Bldg C - 4th floor	Outside Room C422 bathrooms - low WC	2WC1BF	
Total Units	**[91]**	**[80] Base Bid, [11] Alt #1**					
				Fixture Type Key:	***1WC1BF = (1) water drinking fountain, (1) bottle filler***		
					2WC1BF = (2) water drinking fountains, (1) bottle filler		

Section 5 – Bid Pricing:

Sheet #	School Name	Loc. ID	Fixture code	Fixture Type	Cost Per School (fixtures, replacement filters, all other parts & labor)
A01	**Burncoat High School**	O36	DW	1WC1BF	**$_____.00**
A02	**Canterbury Elem. School**	OO6	DW	2WC1BF	**$_____.00**
A02	**Canterbury Elem. School**	O27	DW	2WC1BF	
A03	**Canterbury Elem. School**	O37	DW	2WC1BF	
A04	**Chandler Magnet Elem. School**	O33	DW	1WC1BF	**$_____.00**
A04	**Chandler Magnet Elem. School**	OO8	DW	1WC1BF	
A05	**Chandler Magnet Elem. School**	O12	DW	1WC1BF	
A06	**City View Elem. School**	OO1	DW	1WC1BF	**$_____.00**
A06	**City View Elem. School**	O19	WC	2WC1BF	
A07	**City View Elem. School**	O29	DW	1WC1BF	
A07	**City View Elem. School**	O40	DW	1WC1BF	
A08	**Claremont**	OO2	WC	2WC1BF	**$_____.00**
A08	**Claremont**	O13	WC	2WC1BF	
A09	**Claremont**	OO7	WC	2WC1BF	
A10	**Elm Park Comm. Elem. School**	O13	DW	1WC1BF	**$_____.00**
A10	**Elm Park Comm. Elem. School**	O24	DW	1WC1BF	
A11	**Fanning**	OO7	WC	1WC1BF	**$_____.00**
A11	**Fanning**	OO6	WC	1WC1BF	
A12	**Fanning**	OO4	WC	1WC1BF	
A12	**Fanning**	OO1	WC	1WC1BF	
A13	**Foley**	OO2	DW	1WC1BF	**$_____.00**
A13	**Foley**	OO3	DW	1WC1BF	
A14	**Forest Grove Middle**	O25	WC	2WC1BF	**$_____.00**
A14	**Forest Grove Middle**	O44	WC	2WC1BF	
A15	**Forest Grove Middle**	O49	WC	2WC1BF	

A16	**Gates Lane Elem. School**	OO6	WC	1WC1BF	**$_____.00**
A16	**Gates Lane Elem. School**	OO8	WC	1WC1BF	
A17	**Gates Lane Elem. School**	O14	WC	1WC1BF	
A17	**Gates Lane Elem. School**	O18	WC	1WC1BF	
A18	**Gates Lane Elem. School**	O39	WC	1WC1BF	
A19	**Grafton Street Elem. School**	O16	WC	2WC1BF	**$_____.00**
A20	**Greendale**	OO5	DW	2WC1BF	**$_____.00**
A21	**Jacob Hiatt Magnet Elem. Scl**	O13	DW	1WC1BF	**$_____.00**
A21	**Jacob Hiatt Magnet Elem. Scl**	O21	DW	1WC1BF	
A22	**Jacob Hiatt Magnet Elem. Scl**	O22	WC	1WC1BF	
A23	**Lake View Elem. School**	OO5	DW	2WC1BF	**$_____.00**
A23	**Lake View Elem. School**	O1O	DW	2WC1BF	
A24	**May Street Elem. School**	OO7	DW	1WC1BF	**$_____.00**
A24	**May Street Elem. School**	OO6	DW	1WC1BF	
A25	**May Street Elem. School**	OO1	DW	1WC1BF	
A26	**Mill Swan Elem. School**			1WC1BF	**$_____.00**
A27	**Millbury Street**	OO2	OT	1WC1BF	**$_____.00**
A27	**Millbury Street**	OO1	OT	1WC1BF	
A28	**New Citizen Center**	OO5	DW	2WC1BF	**$_____.00**
A29	**Norrback Ave. Elem. School**	O37	WC	2WC1BF	**$_____.00**
A30	**Quinsigamond Elem. School**	OO5	WC	2WC1BF	**$_____.00**
A30	**Quinsigamond Elem. School**	O21	WC	2WC1BF	
A31	**Quinsigamond Elem. School**	O41	WC	2WC1BF	
A32	**Roosevelt Elem. School**	O16	WC	1WC1BF	**$_____.00**
A32	**Roosevelt Elem. School**	O27	WC	1WC1BF	
A33	**Roosevelt Elem. School**	O4O	WC	1WC1BF	
A33	**Roosevelt Elem. School**	O53	WC	1WC1BF	
A34	**Sullivan Middle School**	O14	DW	1WC1BF	**$_____.00**

A34	**Sullivan Middle School**	O18	WC	2WC1BF	
A35	**Sullivan Middle School**	O2O	WC	2WC1BF	
A35	**Sullivan Middle School**	O11	WC	2WC1BF	
A36	**Sullivan Middle School**	OO7	WC	2WC1BF	
A37	**Thorndyke Rd. Elem. School**	O13	DW	1WC1BF	**$_____.00**
A38	**Union Hill Elem. School**	OO2	DW	1WC1BF	**$_____.00**
A38	**Union Hill Elem. School**	O22	DW	1WC1BF	
A39	**Vernon Hill Elem. School**	O23	DW	2WC1BF	**$_____.00**
A40	**West Tatnuck Elem. School**	OO5	DW	1WC1BF	**$_____.00**
A40	**West Tatnuck Elem. School**	O33	DW	1WC1BF	
A41	**Woodland Academy**	O25	WC	2WC1BF	
A41	**Woodland Academy**	O27	WC	2WC1BF	**$_____.00**
A42	**Woodland Academy**	O61	WC	2WC1BF	
A43	**Worcester Arts Magnet School**	O49	WC	2WC1BF	**$_____.00**
A44	**Worcester East Middle School**	O43	DW	1WC1BF	**$_____.00**
A45	**Worcester Technical H.S.**	1OO	WC	2WC1BF	
A45	**Worcester Technical H.S.**	12O	WC	2WC1BF	
A46	**Worcester Technical H.S.**	O97	WC	2WC1BF	
A46	**Worcester Technical H.S.**	1O3	WC	2WC1BF	
A47	**Worcester Technical H.S.**	O49	WC	1WC1BF	
A47	**Worcester Technical H.S.**	O50	WC	1WC1BF	
A48	**Worcester Technical H.S.**	1O7	WC	1WC1BF	
A48	**Worcester Technical H.S.**	O52	WC	1WC1BF	**$_____.00**
A49	**Worcester Technical H.S.**	O53	WC	1WC1BF	
A49	**Worcester Technical H.S.**	11O	WC	2WC1BF	
A50	**Worcester Technical H.S.**	O88	WC	2WC1BF	
A50	**Worcester Technical H.S.**	O80	WC	1WC1BF	
A51	**Worcester Technical H.S.**	O82	WC	2WC1BF	
A51	**Worcester Technical H.S.**	O84	WC	2WC1BF	
A52	**Worcester Technical H.S.**	O91	WC	2WC1BF	

A52	**Worcester Technical H.S.**	O68	WC	2WC1BF	
A53	**Worcester Technical H.S.**	O57	WC	2WC1BF	
A53	**Worcester Technical H.S.**	O58	WC	1WC1BF	
A54	**Worcester Technical H.S.**	O59	WC	1WC1BF	
A54	**Worcester Technical H.S.**	O60	WC	1WC1BF	
A55	**Worcester Technical H.S.**	O55	WC	1WC1BF	
A55	**Worcester Technical H.S.**	O92	WC	1WC1BF	
A56	**Worcester Technical H.S.**	O73	WC	2WC1BF	
A56	**Worcester Technical H.S.**	O77	WC	2WC1BF	
Subtotal, base bid		**[80] Units @ various schools**			**$_____.00**
Alt. #1		**[11] Units @ various schools**			**$_____.00**
Total Units	**[91] [80] Base Bid + [11] Alt #1**			**Total Project Cost**	**$_____.00**

ELKAY®
SPECIFICATIONS

Elkay ezH2O® Bottle Filling Station with Single ADA Cooler Filtered Refrigerated Light Gray
Model LZS8WSLK

PRODUCT SPECIFICATIONS

Elkay ezH2O® Bottle Filling Station with Single ADA Cooler Filtered Refrigerated Light Gray. Chilling Capacity of 8.0 GPH (gallons per hour) of 50° F drinking water, based on 80° F inlet water and 90° F ambient, per ASHRAE 18 testing. Features shall include Antimicrobial*, Filtered, Green Ticker™, Hands Free, Laminar Flow, Real Drain, Visual Filter Monitor. Furnished with Flexi-Guard ® Safety Bubbler. Electronic Bottle Filler Sensor with Electronic Front and Side Bubbler Pushbar activation. Product shall be Wall Mount (On Wall), for Indoor applications, serving 1 station(s). Unit shall be certified to UL 399 and CAN/CSA C22.2 No. 120.

Special Features:	Antimicrobial, Filtered, Green Ticker™, Hands Free, Laminar Flow, Real Drain, Visual Filter Monitor
Finish:	Light Gray Granite
Power:	115V/60Hz
Bubbler Style:	Flexi-Guard ® Safety Bubbler
Activation by:	Electronic Bottle Filler Sensor with Electronic Front and Side Bubbler Pushbar
Mounting Type:	Wall Mount (On Wall)
Chilling Capacity*:	8.0 GPH
Full Load Amps	6
Rated Watts:	370
Dimensions (L x W x H):	18-3/8" x 19" x 39-1/16"
Approx. Shipping Weight:	85 lbs.
Installation Location:	Indoor
No. of Stations Served:	1
*Based on 80° F inlet water & 90° F ambient air temp for 50° F chilled drinking water.	

Special Note: Installs with stainless steel back panel (1000004833); accessory to enhance design & ease of installation.

- Visual Filter Monitor: LED Filter Status Indicator for when filter change is necessary.
- Filter is certified to NSF 42 and 53 for lead, cyst, particulate, chlorine, taste and odor reduction. 3,000 gal. capacity.
- Green Ticker: Informs user of number of 20 oz. plastic water bottles saved from waste.
- Laminar flow provides clean fill with minimal splash.
- Key plastic components are manufactured with silver ion antimicrobial agent helping to provide clean, stain- and odor-free surfaces.
- Real Drain System eliminates standing water.

PART:_____QTY: _____

PROJECT:_____

CONTACT:_____

DATE:_____

NOTES:_____

APPROVAL:_____

Included with Product: **Water Cooler (LZS8WSL), Bottle Filler (LZWSR), Filter**

▼ Ships in multiple boxes.

A Century of Tradition and Quality.
For more than 100 years, Elkay has been making innovative products and providing exceptional customer care. We take pride in offering plumbing products that make life easier, inspire change and leave the world a better place.

PRODUCT COMPLIANCE

ADA & ICC A117.1

ASME A112.19.3/CSA B45.4

CAN/CSA C22.2 No. 120

GreenSpec®

NSF/ANSI 42, 53, 61 (Q≤1), & 372 (lead free)

UL 399

Complies with ADA & ICC A117.1 accessibility requirements when installed according to the requirements outlined in these standards. Installation may require additional components and/or construction features to be fully compliant. Consult the local Authority Having Jurisdiction if necessary.

Installation Instructions (PDF) - 1000002207

5 Year Limited Warranty on the refrigeration system of the unit. Electrical components and water system are warranted for 12 months from date of installation. **Warranty pertains to drinking water applications only. Non-drinking water applications are not covered under warranty.**

Warranty (PDF)

BASIS OF DESIGN

In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit elkay.com for the most current version of Elkay product specification sheets. This specification describes an Elkay product with design, quality, and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked.

*Antimicrobial claims are in refence to components manufactured antimicrobial agents, helping to provide clean, stain- and odor-free surfaces.

COOLING SYSTEM

- Compressor: Hermetically-sealed, reciprocating type, single phase. Sealed-in lifetime lubrication.
- Condenser: Fan cooled, copper tube with aluminum fins. Fan motor is permanently lubricated.
- Cooling Unit: Combination tube-tank type. Continuous copper tubing with is fully insulated with EPS foam that meets UL requirements for self-extinguishing material.
- Refrigerant Control: Refrigerant R-134a is controlled by accurately calibrated capillary tube.
- Temperature Control: Easily accessible enclosed adjustable thermostat is factory preset. Requires no adjustment other than for altitude requirements.

Optional Accessories		
51300C	Elkay WaterSentry® Replacement Filter (Bottle Fillers & ezH2O Liv® Pro) Spec Sheet (PDF)	
LKAPREZL	Elkay Cane Apron for EZ Gray Spec Sheet (PDF)	
MLP100	In-wall Carrier for Single-station On-wall Bottle Fillers Coolers & Fountains Spec Sheet (PDF)	
98551C	WaterSentry Filter Mounting Cover (Gray Granite) Spec Sheet (PDF)	

BASIS OF DESIGN

In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit elkay.com for the most current version of Elkay product specification sheets. This specification describes an Elkay product with design, quality, and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked.

Elkay ezH2O® Bottle Filling Station with Single ADA Cooler Filtered Refrigerated Light Gray
Model LZS8WSLK

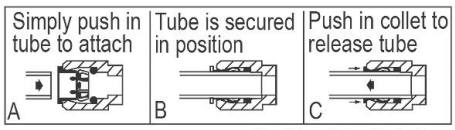
IMPORTANT!
INSTALLER PLEASE NOTE :

This water cooler has been designed and built to provide water to the user which has not been altered by materials in the cooler waterways. The grounding of electrical equipment such as telephone, computer, etc. to water lines is a common procedure. The grounding may be in the building but may also occur away from the building. This grounding can cause electrical feedback into a water cooler creating an electrolysis which creates a metallic taste or causes an increase in the metal content of the water. This condition is avoidable by installing the cooler using the proper materials as shown below.

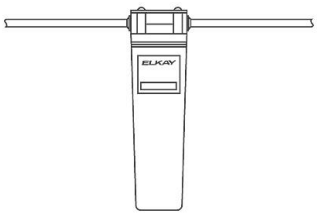
NOTICE

This water cooler must be connected to the water supply using a dielectric coupling. The cooler is furnished with a non-metallic strainer which meets this requirement. The drain trap which is provided by the installer should also be plastic to completely isolate the cooler from the building plumbing system.
Bottle filler unit on bracket attached to wall by 6 holes (as shown). Water and electrical will connect through pre-punched hole in basin.

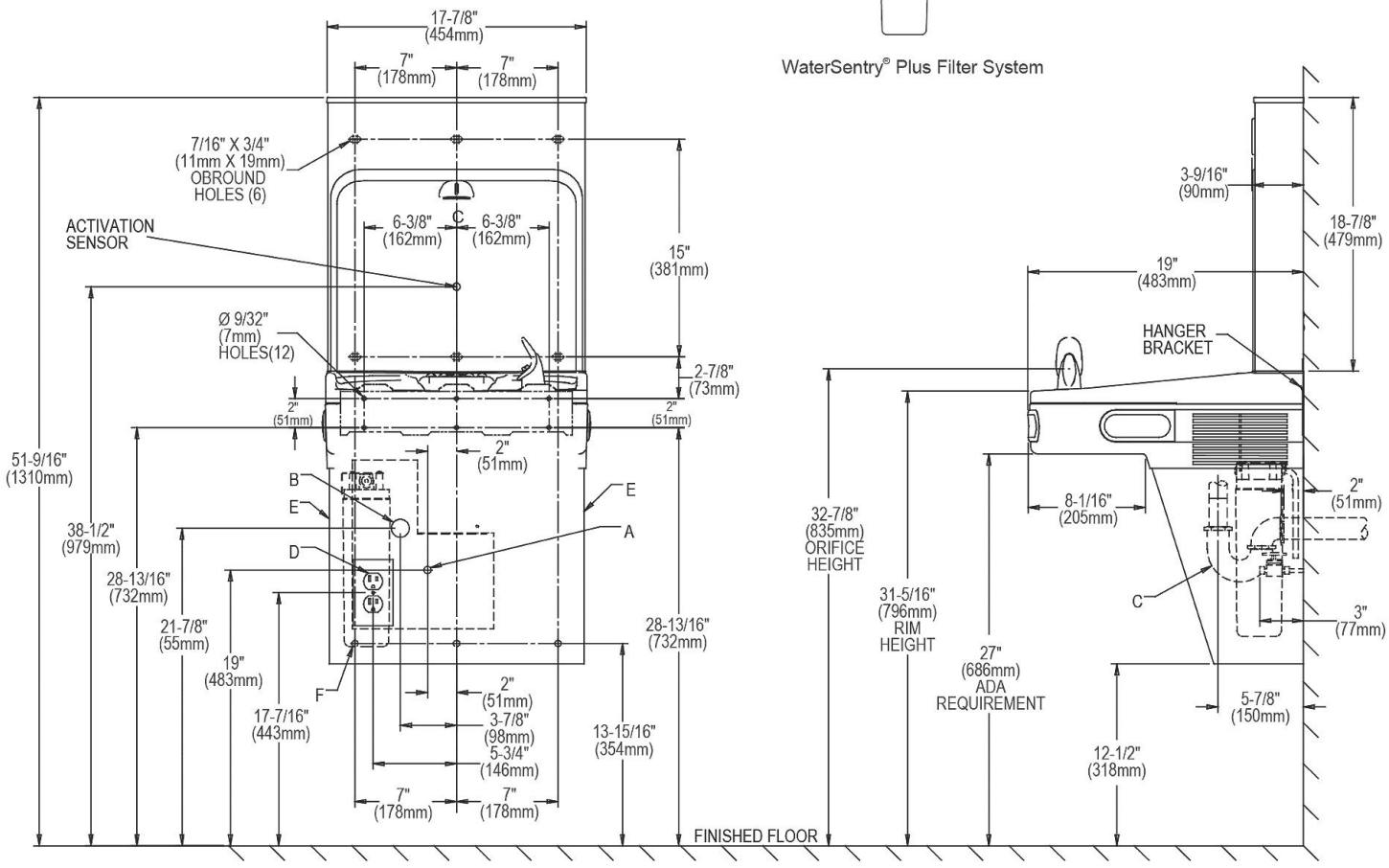
OPERATION OF QUICK CONNECT FITTINGS



Pushing tube in before pulling it out helps to release tube



WaterSentry® Plus Filter System



REDUCE HEIGHT BY 3 INCHES FOR INSTALLATION OF CHILDRENS ADA COOLER

LEGEND:
A = Recommended Water Supply location. Shut-off Valve (not furnished) to accept 3/8" O.D. unplated copper tube. Up to 3" (76mm) maximum out from wall.
B = Recommended Waste Outlet location. To accommodate 1-1/4" nominal drain.
C = 1-1/4" Trap (not furnished).
D = Electrical Supply (3) Wire Recessed Box Duplex Outlet.
E = Insure proper ventilation by maintaining 6" (152mm) minimum clearance from cabinet
F = 7/16" (11mm) Bolt Holes for fastening to wall.
Note : New Installations Must Use Ground Fault Circuit Interrupter (GFCI).

BASIS OF DESIGN

In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit elkay.com for the most current version of Elkay product specification sheets. This specification describes an Elkay product with design, quality, and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked.

ELKAY®
SPECIFICATIONS

Elkay Enhanced ezH2O Bottle Filling Station & Versatile Bi-Level ADA Cooler Refrigerated Stainless PFOA/PFOS Reduction Quick Filter Change

Model LZSTL8WSSP-PF

PRODUCT SPECIFICATIONS

Elkay Enhanced ezH2O Bottle Filling Station & Versatile Bi-Level ADA Cooler Refrigerated Stainless PFOA/PFOS Reduction Quick Filter Change. Chilling Capacity of 8.0 GPH (gallons per hour) of 50° F drinking water, based on 80° F inlet water and 90° F ambient, per ASHRAE 18 testing. Features shall include Antimicrobial*, Automatic Filter Status Reset, Energy Savings, Filtered, Green Ticker™, Hands Free, Laminar Flow, Real Drain, Visual Filter Monitor, Quick Filter Change. Furnished with Flexi-Guard ® Safety Bubbler. Electronic Bottle Filler Sensor with Electronic Front and Side Bubbler Pushbar activation. Product shall be Wall Mount (On Wall), for Indoor applications, serving 2 station(s). Unit shall be certified to UL 399 and CAN/CSA C22.2 No. 120.

Special Features:	Antimicrobial, Automatic Filter Status Reset, Energy Savings, Filtered, Green Ticker™, Hands Free, Laminar Flow, Real Drain, Visual Filter Monitor, Quick Filter Change
Finish:	Stainless Steel
Power:	115V/60Hz
Bubbler Style:	Flexi-Guard ® Safety Bubbler
Activation by:	Electronic Bottle Filler Sensor with Electronic Front and Side Bubbler Pushbar
Mounting Type:	Wall Mount (On Wall)
Chilling Capacity*:	8.0 GPH
Full Load Amps	5
Rated Watts:	370
Dimensions (L x W x H):	36-3/4" x 19" x 39-1/2"
Approx. Shipping Weight:	106 lbs.
Installation Location:	Indoor
No. of Stations Served:	2
*Based on 80° F inlet water & 90° F ambient air temp for 50° F chilled drinking water.	

Special Note: One-Box Packaging.

- Visual Filter Monitor: LED filter status indicator alerts to needed filter changes.
- Automatic Filter Recognition: FillSafe™ recognition recognizes new filter and updates LED light back to green.
- PFOA/PFOS Filter Included: 2,250-gallon filter tested and certified to NSF/ANSI 42 and 53 to reduce PFOA and PFOS; prevalent PFAS chemicals, and lead, Class 1 particulates, cysts, chlorine taste and odor.
- Energy-savings mode reduces energy consumption.
- Faster Filter Changes: Quick filter change wrapper provides easy access to filter from the front and side of cooler for efficient filter

PART:_____QTY: _____

PROJECT:_____

CONTACT:_____

DATE:_____

NOTES:_____

APPROVAL:_____

Included with Product: **Bottle Filler, Water Cooler, Filter**

Ships in one box.

A Century of Tradition and Quality.
For more than 100 years, Elkay has been making innovative products and providing exceptional customer care. We take pride in offering plumbing products that make life easier, inspire change and leave the world a better place.

BUILT IN USA OF DOMESTIC AND FOREIGN PARTS

PRODUCT COMPLIANCE

ADA & ICC A117.1

ASME A112.19.3/CSA B45.4

CAN/CSA C22.2 No. 120

GreenSpec®

NSF/ANSI 42, 53, 61 (Q≤1), & 372 (lead free)

UL 399

Complies with ADA & ICC A117.1 accessibility requirements when installed according to the requirements outlined in these standards. Installation may require additional components and/or construction features to be fully compliant. Consult the local Authority Having Jurisdiction if necessary.

Installation Instructions (PDF) - 2000001213

5 Year Limited Warranty on the refrigeration system of the unit. Electrical components and water system are warranted for 12 months from date of installation. **Warranty pertains to drinking water applications only. Non-drinking water applications are not covered under warranty.**

Warranty (PDF)

BASIS OF DESIGN

In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit elkay.com for the most current version of Elkay product specification sheets. This specification describes an Elkay product with design, quality, and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked.

changes in under a minute.

- LED lighting: Low-energy LED light encourages use, assists with filling dark bottles and illuminates in dark hallways.
- Fill rate is 1.1 GPM: Laminar flow provides clean fill with minimal splash. Real drain system eliminates standing water in basin.

*Antimicrobial claims are in refence to components manufactured antimicrobial agents, helping to provide clean, stain- and odor-free surfaces.

COOLING SYSTEM

- Compressor: Hermetically-sealed, reciprocating type, single phase. Sealed-in lifetime lubrication.
- Condenser: Fan cooled, copper tube with aluminum fins. Fan motor is permanently lubricated.
- Cooling Unit: Combination tube-tank type. Continuous copper tubing with is fully insulated with EPS foam that meets UL requirements for self-extinguishing material.
- Refrigerant Control: Refrigerant R-134a is controlled by accurately calibrated capillary tube.
- Temperature Control: Easily accessible enclosed adjustable thermostat is factory preset. Requires no adjustment other than for altitude requirements.

Optional Accessories		
71300C	Elkay WaterSentry® PFAS (PFOA/PFOS Certified Reduction) Replacement Filter (Enhanced Bottle Fillers) Spec Sheet (PDF)	
LKAPREZL	Elkay Cane Apron for EZ Gray Spec Sheet (PDF)	
MLP200	In-wall Carrier for Bi-level On-wall Bottle Fillers Coolers & Fountains Spec Sheet (PDF)	
1000004920	Stainless Steel Back Panel for Bi-Level EZ Bottle Filling Station Spec Sheet (PDF)	

BASIS OF DESIGN

Elkay Enhanced ezH2O Bottle Filling Station & Versatile Bi-Level ADA Cooler Refrigerated Stainless PFOA/PFOS Reduction Quick Filter Change

Model LZSTL8WSSP-PF

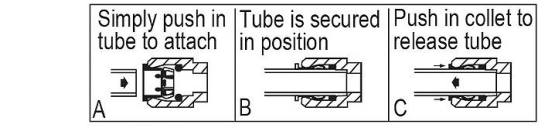
IMPORTANT!
INSTALLER PLEASE NOTE :

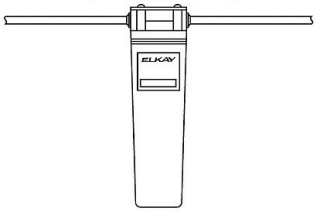
This water cooler has been designed and built to provide water to the user which has not been altered by materials in the cooler waterways. The grounding of electrical equipment such as telephone, computer, etc. to water lines is a common procedure. The grounding may be in the building but may also occur away from the building. This grounding can cause electrical feedback into a water cooler creating an electrolysis which creates a metallic taste or causes an increase in the metal content of the water. This condition is avoidable by installing the cooler using the proper materials as shown below.

NOTICE

This water cooler must be connected to the water supply using a dielectric coupling. The cooler is furnished with a non-metallic strainer which meets this requirement. The drain trap which is provided by the installer should also be plastic to completely isolate the cooler from the building plumbing system.
Bottle filler unit on bracket attached to wall by 6 holes (as shown). Water and electrical will connect through pre-punched hole in basin.

OPERATION OF QUICK CONNECT FITTINGS

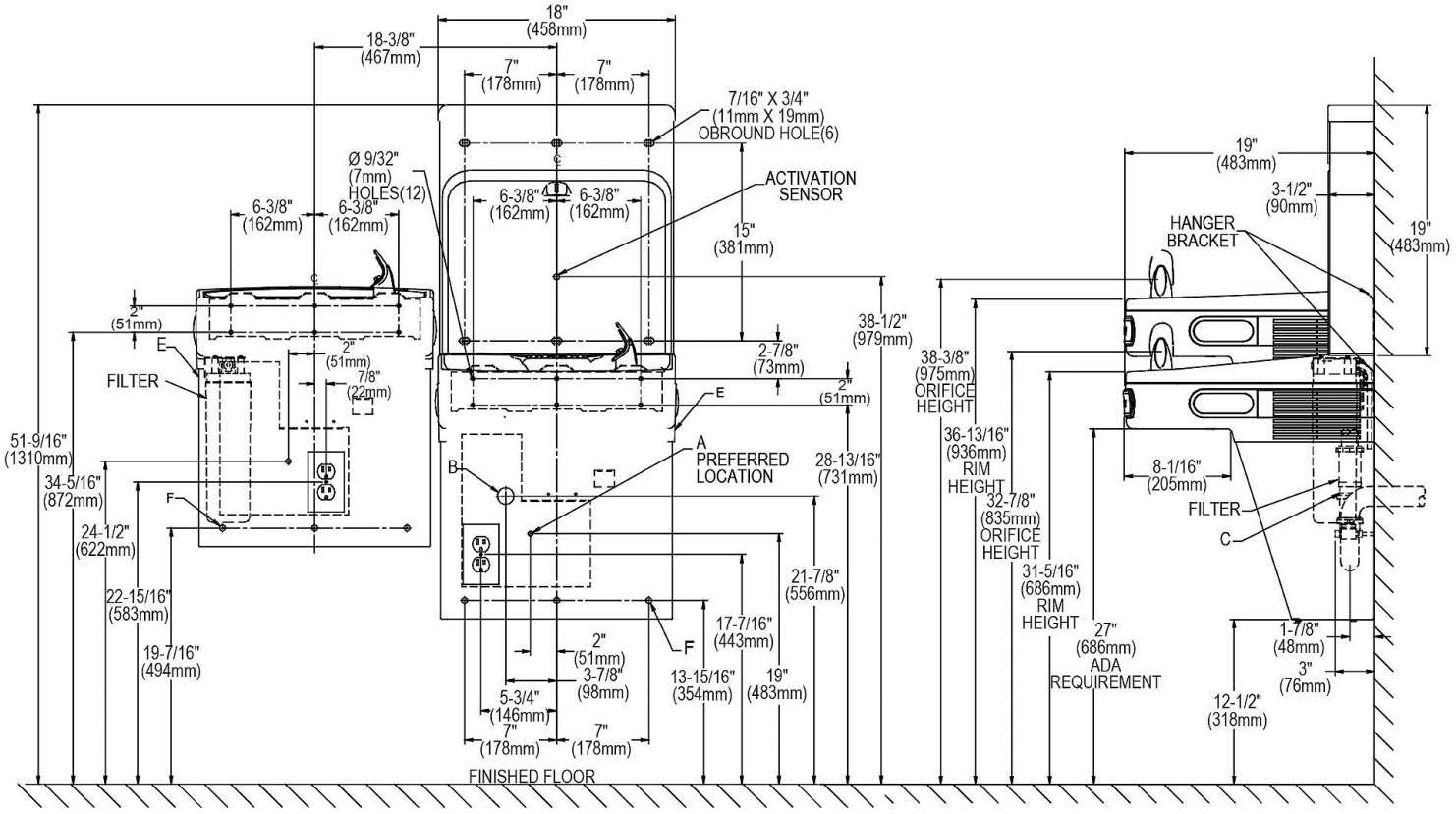




Pushing tube in before pulling it out helps to release tube

WaterSentry® Plus Filter System

Standard Hi-Low Installation Instructions



REDUCE HEIGHT BY 3 INCHES FOR INSTALLATION OF CHILDRENS ADA COOLER

LEGEND:
A = Recommended Water Supply location. Shut-off Valve (not furnished) to accept 3/8" O.D. unplated copper tube. Up to 3" (76mm) maximum out from wall.
B = Recommended Waste Outlet location. To accommodate 1-1/2" nominal drain. Drain stub 2" (51mm) out from wall.
C = 1-1/2" Trap (not furnished).
D = Electrical Supply (3) Wire Recessed Box Duplex Outlet.
E = Insure proper ventilation by maintaining 6" (152mm) minimum clearance from cabinet louvers to wall.
F = 7/16" (11mm) Bolt Holes for fastening to wall.
Note : New Installations Must Use Ground Fault Circuit Interrupter (GFCI).

BASIS OF DESIGN

Elkay Enhanced ezH2O Bottle Filling Station & Versatile Bi-Level ADA Cooler Refrigerated Stainless PFOA/PFOS Reduction Quick Filter Change

Model LZSTL8WSSP-PF

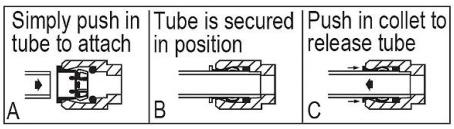
IMPORTANT!
INSTALLER PLEASE NOTE :

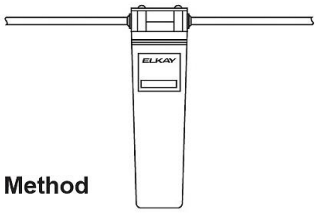
This water cooler has been designed and built to provide water to the user which has not been altered by materials in the cooler waterways. The grounding of electrical equipment such as telephone, computer, etc. to water lines is a common procedure. The grounding may be in the building but may also occur away from the building. This grounding can cause electrical feedback into a water cooler creating an electrolysis which creates a metallic taste or causes an increase in the metal content of the water. This condition is avoidable by installing the cooler using the proper materials as shown below.

NOTICE

This water cooler must be connected to the water supply using a dielectric coupling. The cooler is furnished with a non-metallic strainer which meets this requirement. The drain trap which is provided by the installer should also be plastic to completely isolate the cooler from the building plumbing system.
Bottle filler unit on bracket attached to wall by 6 holes (as shown). Water and electrical will connect through pre-punched hole in basin.

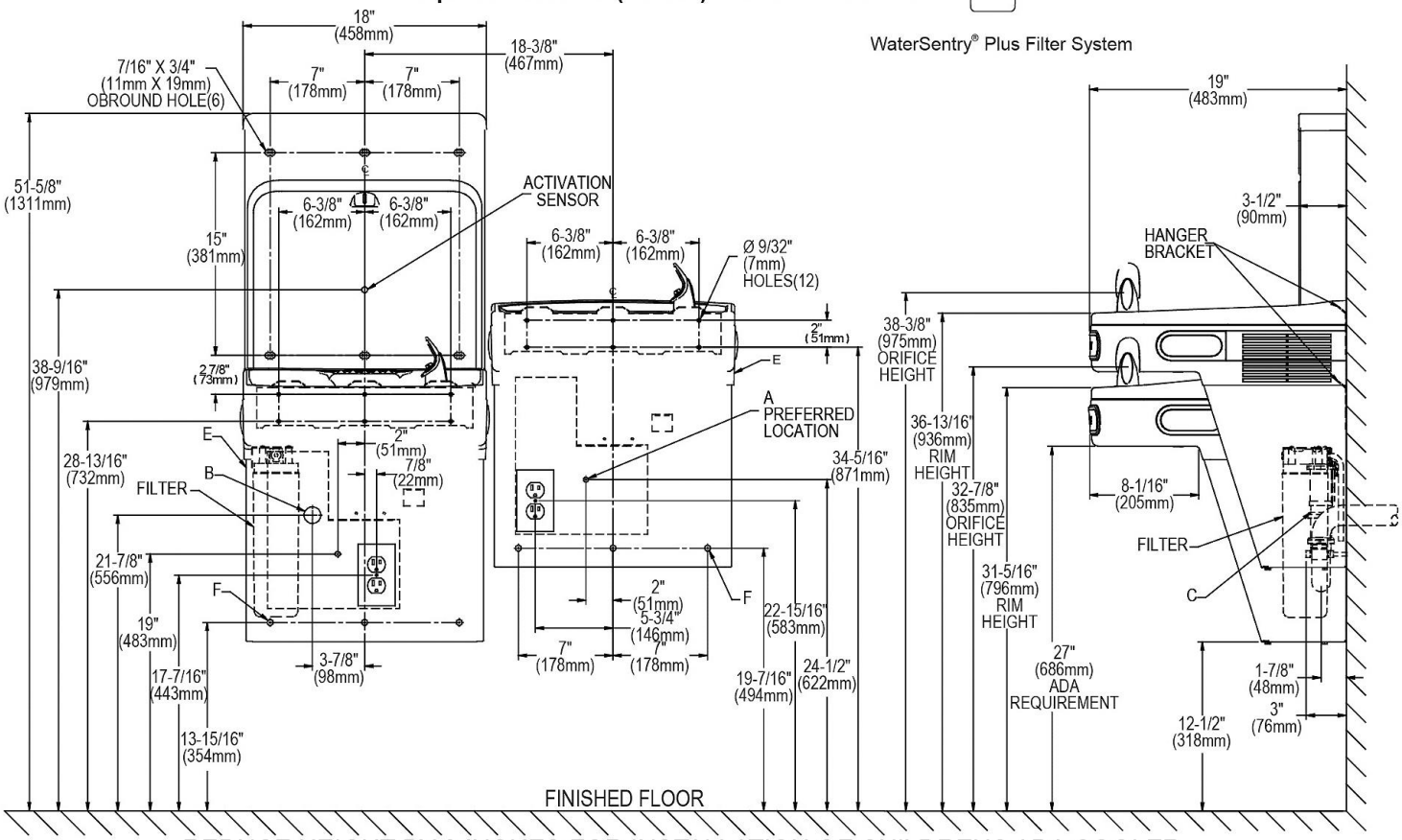
OPERATION OF QUICK CONNECT FITTINGS





Pushing tube in before pulling it out helps to release tube

Optional Reverse (Hi-Low) Installation Method



WaterSentry® Plus Filter System

REDUCE HEIGHT BY 3 INCHES FOR INSTALLATION OF CHILDRENS ADA COOLER

LEGEND:
A = Recommended Water Supply location. Shut-off Valve (not furnished) to accept 3/8" O.D. unplated copper tube. Up to 3" (76mm) maximum out from wall.
B = Recommended Waste Outlet location. To accommodate 1-1/2" nominal drain. Drain stub 2" (51mm) out from wall.
C = 1-1/2" Trap (not furnished).
D = Electrical Supply (3) Wire Recessed Box Duplex Outlet.
E = Insure proper ventilation by maintaining 6" (152mm) minimum clearance from cabinet louvers to wall.
F = 7/16" (11mm) Bolt Holes for fastening to wall.
Note : New Installations Must Use Ground Fault Circuit Interrupter (GFCI).

BASIS OF DESIGN