

## FEATURES & BENEFITS

### MOUNTING

Surface wall mounting either above or below existing fountains. 2 Side and 2 bottom punchouts as well as an open back to allow for easy water line access.

### POWER

No external power required, filter monitor is powered by 2 AA batteries.

### RETROFIT-COMPATIBLE DESIGN

Upgrade most existing fountains and bottle fillers without replacing the full unit.

### VANDAL-RESISTANT CABINET

20 gauge 304 Stainless steel cabinet built for high-traffic environments such as schools, offices, and public facilities.

### FILTER LIFECYCLE MONITOR

Tracks installation date and water volume for timely, compliant filter replacements. Front facing monitor window to easily track filter life. Audible alarm to notify user of filter expiration.

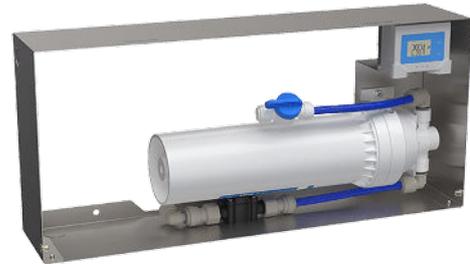
### ANSI/CSA CERTIFIED FILTRATION

3000 gallon capacity filter removes lead, microplastics, and taste/odor contaminants for improved water quality.

## OPTIONS

- 6445 - PFOA/PFOS (PFAS) Drinking Water Filter

For more information, visit [www.hawscow.com](http://www.hawscow.com) or call (888) 640-4297.



## SPECIFICATIONS

Model 6478 Water Filter Cabinet retrofits existing fountains and bottle fillers without filtration. Includes **Model 6428 NSF/ANSI certified filter** for chlorine, lead, and microplastic reduction, plus a **lifecycle monitor (2 AA batteries included)** for compliance tracking. Upgrade-ready for PFAS/PFOA protection with Model 6445 filter.

- **Installation:** Wall mounted above or below existing unit
- **Dimensions:** 20" w x 9.16" h x 4.25" d
- **Filter Lifecycle Monitor:** Tracks installation date and water volume; includes 2 AA batteries
- **Included Filter:** Model 6428 Water Filter
  - Certified by CSA against:
    - NSF/ANSI 42: Chlorine (taste & odor)
    - NSF/ANSI 53: Lead
    - NSF/ANSI 401: Microplastics
    - Flow Rate: 1.5 gpm
    - Operating Pressure: 10 – 125 psig (69 – 862 kPa)

## APPLICATIONS

Model 6478 is an ideal retrofit solution for facilities seeking to enhance water quality without replacing existing drinking fountains or bottle fillers. It's perfectly suited for schools, corporate offices, manufacturing environments, and public buildings where reliable, compliant, and great-tasting drinking water is essential. The cabinet's NSF/ANSI certified filtration and smart lifecycle monitoring make it especially valuable in locations with strict water safety requirements or evolving regulatory standards. From high-traffic hallways to employee breakrooms, Model 6478 provides a dependable upgrade that improves water quality, supports sustainability goals, and elevates user confidence across a wide range of facility types. Haws manufactures drinking fountains, faucets and electric water coolers to be lead-free by all known definitions including NSF/ANSI/CAN 61- Section 9, NSF/ANSI/CAN 372.





# INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS

1455 Kleppe Lane ♦ Sparks, NV 89431-6467 ♦ (775) 359-4712 ♦ Fax (775) 359-7424  
E-mail: [haws@hawsco.com](mailto:haws@hawsco.com) ♦ website: [www.hawsco.com](http://www.hawsco.com)

No. 0510002336 (1)

## MODEL 6478 FILTER CABINET WITH MONITOR

**NOTE TO INSTALLER: Please leave this information with the Maintenance Department.**

### LIMITED WARRANTY

*HAWS* warrants that all of its products are guaranteed against defective material or poor workmanship for a period of **one year from the date of shipment**. The foregoing notwithstanding, *HAWS* warrants certain specific products or components thereof for an adjusted period. A list of these excepted products and components and a description of their respective warranty terms may be found here: [www.hawsco.com/warranty](http://www.hawsco.com/warranty). *HAWS'* liability under this warranty shall be discharged by furnishing without charge F.O.B. *HAWS* factory any goods, or part thereof, which shall appear to the Company upon inspection to be of defective material or not of first-class workmanship, provided that a claim is made in writing to Company within a reasonable period after receipt of the product. Where claims for defects are made, the defective part or parts shall be delivered to the Company, prepaid, for inspection. *HAWS* shall not be liable for the cost of repairs, alterations or replacements, or the labor required to implement them, or for any expense connected therewith made by the owner or owner's agents, except upon written authority from *HAWS*. *HAWS* shall not be liable for any damages caused by defective materials or poor workmanship, except for replacements, as provided above. Buyer agrees that *HAWS* has made no other warranties either express or implied in addition to those above stated, except that of title with respect to any of the products or equipment sold hereunder and that *HAWS* shall not be liable for general, special, incidental, or consequential damages claimed to arise under the contract of sale.

Equipment manufactured by *HAWS* is warranted to function if installation and maintenance instructions provided are adhered to. The units also must be used for the purpose for which they were intended. Any *HAWS* emergency equipment is intended to supplement first-aid treatment. Due to widely varying conditions, *HAWS* cannot guarantee that the use of this emergency equipment will prevent serious injury or the aggravation of existing or prior injuries.

**EXCEPT AS EXPRESSLY STATED HEREIN, HAWS HEREBY DISCLAIMS ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, ARISING BY LAW OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY MAY NOT BE MODIFIED OR EXTENDED WITHOUT THE WRITTEN CONSENT OF HAWS. REMEDIES AND REPLACEMENTS STATED HEREIN ARE EXCLUSIVE. IN NO EVENT SHALL HAWS BE LIABLE FOR ANY SPECIAL, PUNITIVE, CONSEQUENTIAL OR INCIDENTAL DAMAGES TO ANY PERSON INCLUDING BUT NOT LIMITED TO DAMAGES FOR LOSS OF USE OR PROFITS, SUBSTITUTE PRODUCTS OR COSTS, PROPERTY DAMAGE, OR OTHER MONETARY LOSS.**

**SHOULD YOU EXPERIENCE DIFFICULTY WITH THE INSTALLATION OF THIS MODEL PLEASE CALL:**

**TECHNICAL SUPPORT: 1-800-766-5612**  
**FOR CUSTOMER SERVICE: 1-888-640-4297**

## SAFETY PRECAUTIONS

**CAUTION:** Shut off water and disconnect power to the water dispenser before installing or servicing filter cabinet.

### REQUIRED TOOLS (OR EQUIVALENT):

- Adjustable Wrench
- 1/4" Bit-holding screwdriver
- T20 Torx Bit (supplied)
- Small bubble level
- Tape measure and tools for properly marking and measuring wall
- Clean cloth or paper towels
- Tubing cutter for polyethylene tubing
- Permanent marker

### REQUIRED PARTS (NOT SUPPLIED):

- Suitable supply stop valve with 3/8" compression outlet
- (4) #10 or larger fasteners suitable for fastening filter cabinet to structural material in wall.

**LOCATION OF UNIT:** The Model 6478 Filter Cabinet is suitable for indoor use and cold-water supply only. All installation location/height must be compliant with ADA Regulations. Installation into a location not meeting these limitations will void the warranty.

**SUPPLY LINE:** The minimum recommended size is 3/8" polyethylene or copper tubing with 20-105 psig (1.4-7.1 ATM) flowing pressure. Where sediment or mineral content is a problem, an upstream water pre-filter is recommended.

**NOTE:** If Model 6478 Filter Cabinet is to be used with an auxiliary chiller device (not included) this unit should be plumbed in the waterway ***before*** the chiller.

**PLUMBING CONNECTIONS:** The inlet and outlet connections are 3/8" OD push-to-connect fittings suitable for polyethylene or copper tubing. A suitable plastic ferrule and brass insert are provided to allow direct connection to a 3/8" compression water stop valve and supplied 3/8" OD poly tubing. (see Page 9)

**FLOW RATE:** The water flow rate must be limited, depending on the filter model installed:  
Included Filter Model 6428 LEAD/CYST/CTO: 1.67 GPM max  
Optional Filter Model 6445 PFOA/PFOS: 1.0 GPM max

**ELECTRICAL:** Model 6478 Filter Cabinet is powered by two AA batteries (supplied) which may last up to 3 years with average daily consumption of 5 gallons per day. It is recommended to replace batteries annually or with every filter change.

### GENERAL NOTES:

- For all plastic push-in type fitting connections, only connect NSF-61 soft-copper or plastic tubing. These instructions must be followed to ensure a watertight connection:
  - a. If tubing needs to be shortened, cut tubing square and clean.
  - b. Mark from end of tube the depth of insertion (See table below).
  - c. Push tube into the fitting until it bottoms out.
  - d. To remove, depress collet and pull tubing out.

| Tube OD Size | OD Tolerance | Insertion Depth |
|--------------|--------------|-----------------|
| 3/8"         | ±.004"       | 3/4"            |

## **INSTALLATION PROCEDURE**

### **A. INSTALLATION**

Follow the instructions outlined in the installation drawing (see pages 8-9) to install the unit.

NOTE: All installations must be compliant with ADA regulations. Consult the ADA regulations regarding your specific installation requirements and clearances.

### **B. START-UP**

1. Remove the filter monitor display from the filter cabinet and install the supplied AA batteries. The monitor is pre-programmed to alert filter expiration after 3000 gallons or 1 year of use, whichever occurs first. Replace filter monitor display.
  - a. For optional filter Model 6445 (not included), see Section E for Programming Details.
2. Open the water supply valve(s) and check the system for leaks. Repair as necessary.
3. Flush the system by activating the water dispenser for 10 minutes to properly flush the filter and supply lines of carbon media and purge all air bubbles.
4. Replace cover panel and install (2) cover panel screws (T20 Torx).

### **C. GENERAL OPERATING INSTRUCTIONS**

The filter monitor will automatically turn on when water is flowing and automatically go into standby mode after 10 seconds of inactivity.

#### **C.1. DISPLAY INDICATION**

- Press the DISPLAY button to view the status of three modes:
  - a. Filter Remaining Capacity
  - b. Filter Remaining Time
  - c. Flow Rate in Gallons per Minute (g/m)

#### **C.2. NEAR END-OF-LIFE ALERT**

- When the Remaining Capacity is less than 26 gallons (100 liters) or Remaining Time is less than 7 days, a repeated single beep will be audible during activation, and the digits will blink to notify the user that the filter cartridge is near its end of life.

#### **C.3. END-OF-LIFE ALERT**

- When the Remaining Capacity or Remaining Time reaches zero, a repeated double beep will be audible during activation, and the digits will blink to notify the user that the filter cartridge is expired and needs replacement.

#### **C.4. LOW BATTERY ALERT**

- When the battery is lower than normal working level, a repeated single beep will be audible during activation, and the battery symbol will blink to notify the user to change the battery. The settings and data will be kept in memory and restored once the batteries are replaced.

#### **C.5. RESET MONITOR**

- After changing the filter, press and hold the RESET button for 3 seconds. The filter monitor will be reset to the original Remaining Capacity and Remaining Time values and restart filter monitoring.

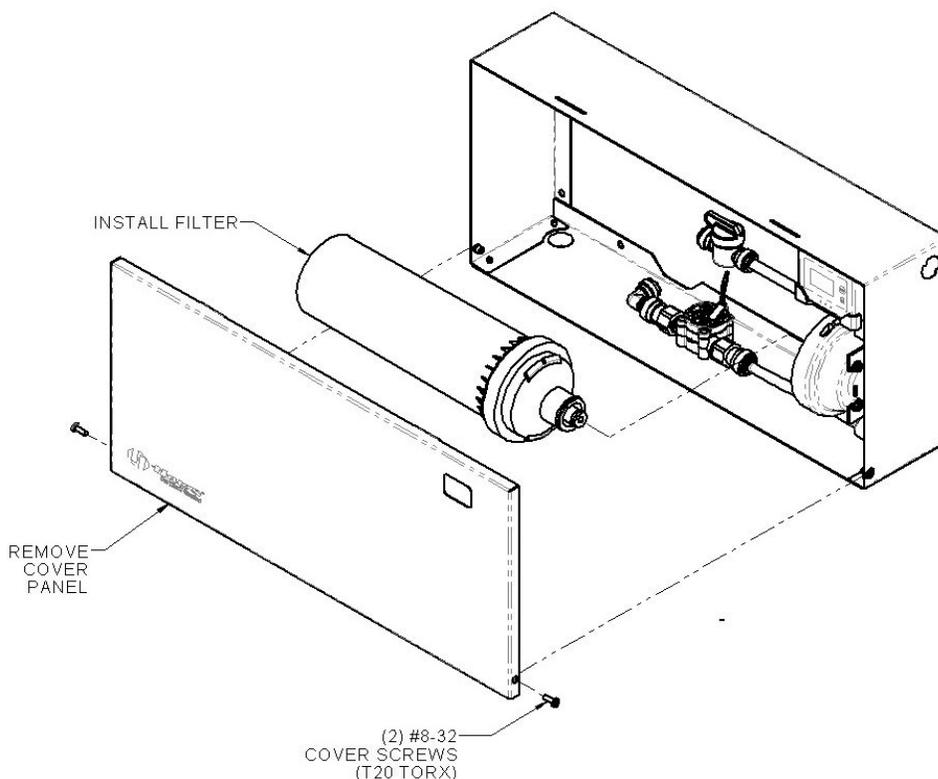
## D. MAINTENANCE

### D.1. CLEANING

- Metal parts can be cleaned with either of the following:
  - A clean towel, dampened by warm water with or without a small amount of mild hand dishwashing detergent.
  - Stainless steel cleaning wipes. Buff off excess with a clean cloth or paper towel. Do not allow the cleaning fluid to touch the plastic parts.
- Plastic parts (including acrylic window and monitor display):
  - A clean microfiber towel, dampened by warm water with or without a small amount of mild hand dishwashing detergent.

### D.2. FILTER REPLACEMENT

1. Remove the (2) cover panel screws (T20 Torx). Then remove the cover panel by sliding up and away from the unit.
2. Place a towel below the filter head to collect the small amount of water that may drip from the filter head or filter during the next steps.
3. **Recommendation:** Turn the water supply valve to the off position and bleed pressure from the system by activating the water dispenser. This will improve the ease of replacing the filter.
4. Remove filter by turning about  $\frac{1}{4}$  turn counterclockwise and pulling outwards.
  - a. NOTE: There is no need to shut off the supply valve, as the filter head has a built-in valve. If you are planning to leave the unit without a filter cartridge for an extended period-of-time, shut off the supply valve.
5. Install the new filter by keying the alignment tabs, pushing inwards and turning clockwise.
6. Replace filter monitor batteries.
7. Press and hold the RESET button for 3 seconds to reset the filter monitor.
8. Flush the system by activating the water dispenser for 10 minutes to properly flush the filter and supply lines of carbon media and purge all air bubbles.
9. Replace cover panel and install (2) cover panel screws (T20 Torx).



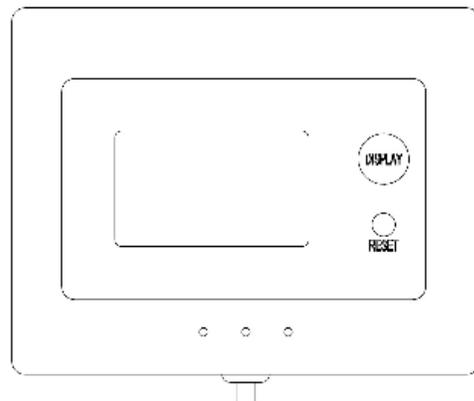
## E. OPTIONAL PROGRAMMING DETAILS

If desired, install optional Filter Model 6445 PFOA/PFOS (2500 gallon / 1 yr capacity) for filtration of PFOA/PFOS (PFAS). Programming is required to update filter capacity expiration from 3000 gallons to 2500 gallons.

To enter programming mode, press and hold the DISPLAY button on the filter monitor display and simultaneously press the RESET button.

### Setting Filter Capacity:

1. Press the DISPLAY button to choose the capacity value.  
(The sequence is OFF - 100 - 200 ... 99500 - OFF)
2. Set the value depending on the filter model installed:
  - a. Filter Model 6428 LEAD/CYST/CTO: 3000 gallons
  - b. Filter Model 6445 PFOA/PFOS: 2500 gallons
3. Press the RESET button to save the Filter Capacity value and proceed to Filter Remaining Time setting.



### Setting Filter Remaining Time:

1. Press the DISPLAY button to choose the elapsed time value.  
(The sequence is OFF - 30 - 60 - 90 ... 720 - OFF)
2. Set the value to 360 Days.
3. Press the RESET button to save the Filter Remaining Time value and exit programming mode.

## F. TROUBLESHOOTING

| <b>TROUBLESHOOTING</b>   |  |
|--|--|
| <p>Note: If the suggested items in the checklist fail to solve the problem, contact Haws Technical Support at 1-800-766-5612. Please have available the model number, serial number, detailed description of the problem, bottle count, and specific error messages (if applicable).</p> |  |
| <b>PROBLEM</b>   | <b>REPAIR CHECKLIST</b>  |
| 1. No water flows from filter cabinet  | <ol style="list-style-type: none"> <li>a. Check if filter has expired or clogged.</li> <li>b. Verify supply valve(s) are fully open and there is water pressure to the unit.</li> </ol>  |
| 3. Low water flows from filter cabinet   | <ol style="list-style-type: none"> <li>a. Replace filter.</li> <li>b. Verify minimum 20 psig flowing supply pressure.</li> <li>c. Verify supply valve(s) are fully open.</li> <li>d. Unscrew water dispenser aerator/nozzle/flow control and flush with clean water.</li> <li>e. Replace water dispenser aerator/nozzle/flow control.</li> </ol> |
| 4. Water leaking from filter cabinet   | <ol style="list-style-type: none"> <li>a. Shut off water supply.</li> <li>b. Ensure threaded connections are tight and supply lines are fully inserted into push-to-connect fittings.</li> <li>c. Contact Haws Technical Support.</li> </ol>   |

\*For more information about Haws products, see our website: [www.hawSCO.com](http://www.hawSCO.com)

# HAWS Model 6478 | Filter Cabinet with Monitor

Replace Filter yearly or at designated intervals (whichever occurs first):  
 Model 6428 LEAD/CYST/CTO: Every 3,000 gallons  
 Model 6445 PFOA/PFOS: Every 2,500 gallons

| Install Date | Filter Model | Service Person | Install Date | Filter Model | Service Person |
|--------------|--------------|----------------|--------------|--------------|----------------|
|              |              |                |              |              |                |
|              |              |                |              |              |                |
|              |              |                |              |              |                |
|              |              |                |              |              |                |
|              |              |                |              |              |                |
|              |              |                |              |              |                |
|              |              |                |              |              |                |
|              |              |                |              |              |                |
|              |              |                |              |              |                |



Order Filters

1455 Kleppe Lane ♦ Sparks, NV 89431-6467 ♦ (775) 359-4712  
[www.hawSCO.com](http://www.hawSCO.com)