

# ELKAY® SPECIFICATIONS

## Soft Sides® Water Cooler With WaterSentry® VII Filter System Barrier-Free Access Model LNFEM8K

### GENERAL

Single station barrier-free stainless steel water cooler has recessed in-the-wall refrigeration system and stainless steel grill. All stainless steel polished to a satin finish.

Fountain has contoured basin to minimize splashing. Flexi-Guard® safety bubbler and easy to operate, fully functional, vandal-resistant front push button. Flow regulator provides constant stream from 20 to 105 psi water pressure. Vandal-resistant bottom cover plate included.

Energy efficient refrigeration system utilizes a combination tank continuous-tube type evaporator, refrigerant drier, and capillary tube.

**THIS WATER COOLER COMPLIES WITH THE REQUIREMENTS OF A.D.A. (AMERICANS WITH DISABILITIES ACT) WHEN PROPERLY INSTALLED.**

### NO LEAD DESIGN

**THIS WATER COOLER COMPLIES WITH THE LEAD-FREE DEFINITION IN THE SAFE DRINKING WATER ACT OF 1986 AND LEAD CONTAMINATION CONTROL ACT OF 1988.**

Elkay LNFEM8K Water Coolers are manufactured with a water-way system utilizing copper components and completely lead-free material. These waterways have no lead because all lead materials, such as leaded brass, have been removed. All joints are brazed using silver solder only. No lead solder is permitted.

### WATERSENTRY® FILTER SYSTEM

Elkay LNFEM8K Water Coolers are equipped with the WaterSentry VII Filter System. Tested to ANSI/NSF Standard 53 yields a reduction of soluble and in-soluble lead content to less than 0.015mg/l. This translates to lead reduction levels of 93% to 99%. Class 1 particulate reduction as tested per ANSI/NSF 42. Removes over 97.5% of free available chlorine which provides Class 1 performance as tested to ANSI/NSF 42. Provides taste and odor improvement.

### CAPACITIES CHART

| Model Number | *GPH of 50°F Drinking Water |      |      | Rated Watts | Full Load Amps | Glass† Filler Option | Pre-Cooler | Ship. Wt. Lbs. |
|--------------|-----------------------------|------|------|-------------|----------------|----------------------|------------|----------------|
|              | Room Temperature °F         |      |      |             |                |                      |            |                |
|              | 70°F                        | 80°F | 90°F |             |                |                      |            |                |
| LNFEM8K      | 8.6                         | 8.1  | 7.5  | 325         | 4.5            | Yes                  | No         | 104            |

\*Based on 80°F inlet water temperature.

†Glass filler available at extra cost. Requires factory preparation to receive glass filler. Order Model LNFEM8K. Glass filler LK1110 or LK1114 sold separately.

Rated watts shown are based on operational (run) time, in accordance with A.R.I. Standard 1010 conditions. Specific applications will determine the actual watts consumed per hour. Watts consumed will be based on number of people served per hour (usage), ambient temperatures, and inlet water temperature.

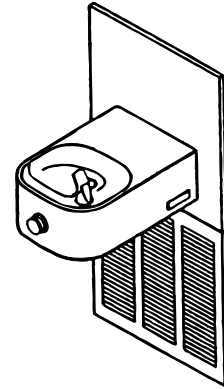
### COOLING SYSTEM

**Motor Compressor:** Hermetically sealed, reciprocating type, 115V, 60 Hz single phase. Sealed-in lifetime oil supply.

**Condenser:** Fan cooled, copper tube with aluminum fins. Fan motor is permanently lubricated.

**Cooling Unit:** Combination tube-tank type. Self cleansing. Tube portion is continuous coil of copper tubing. Tank is stainless steel. Fully insulated with EPS foam which meets Underwriters Laboratories Inc. requirements for self extinguishing material.

**Temperature Control:** Enclosed adjustable thermostat is factory preset. Requires no adjustment other than for altitude requirements.



Model LNFEM8K

**Refrigerant Control:** Refrigerant HFC-134a is controlled by accurately calibrated capillary tube for positively trouble-free performance.

### CONSTRUCTION

**Fountain Body:** #18 gauge, type 304 nickel bearing stainless steel polished to a lustrous satin finish with high shined outer edge. Contoured basin offers large strike area to minimize splashing. Fully functional front push button is easy to operate.

**Exclusive Flexi-Guard® Safety Bubbler:** Innovative design utilizes an infused anti-microbial pliable polyester elastomer to prevent accidental mouth injuries. Flexes on impact, then returns to original position. Strong. Abrasion-resistant. Anti-sweat. Keyed in location to prevent rotation.

**Front Panel Grill:** Made of type 304 stainless steel, polished to a uniform Elkay satin finish. Removable louvered ventilating grill encloses refrigeration unit and plumbing.

**Wall Mounting Frame:** MF100 frame furnished with each unit. Frame allows flush mounting to finished wall.

**Drain:** LK464 drain and trap assembly included.

**Protected by Elkay's 5 Year Limited Warranty** on the refrigeration system of the unit.

Elkay Pressure-Type Water Coolers are designed to operate on 20 psi to 105 psi supply line pressure. If inlet pressure is above 105 psi, a pressure regulator must be installed in the supply line. Any damage caused by reason of connecting this product to supply line pressures lower than 20 psi or higher than 105 psi is not covered by the warranty.

### STANDARDS

Elkay Electric Air Cooled Water Coolers are listed by Underwriters Laboratories Inc. and comply with both Canadian and U.S. requirements.

These units comply with A.R.I. Standard 1010.

This cooler is certified by WQA to lead-free compliance including NSF/ANSI 61-ANNEX G, AB 1953.

In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice. Please visit [elkayusa.com](http://elkayusa.com) for 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

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**Soft Sides® Water Cooler  
With WaterSentry® VII Filter System  
Barrier-Free Access  
Model LNFEM8K**

**ELKAY®  
ROUGH-IN DIMENSIONS**

**IMPORTANT!  
INSTALLER PLEASE NOTE:**

The grounding of electrical equipment such as telephone, computers, etc., to water lines is a common procedure. This grounding may be in the building or may occur away from the building. This grounding can cause electrical feedback into a water cooler, creating an electrolysis which causes a metallic taste or an increase in the metal content of the water. This condition is avoidable by using the proper materials as indicated below.

To minimize electrically induced corrosion, all water coolers should be connected to the water supply using an electrically isolating coupling. This cooler is furnished with non-metallic filter which meets this requirement.

The drain fittings which are provided by the installer should also be plastic to electrically isolate the cooler from the building plumbing system.

**LNFEM8K MOUNTING FRAME INSTRUCTIONS**

**1. Cut a square rectangular wall opening 18-3/4" (476mm) W x 37-3/4" (959mm) H and 4-1/2" (114mm) above the floor line. These dimensions are required to obtain proper rim and bubbler heights for compliance with ANSI standard A117.1. (See Figure 2)**

**2. Reinforce the wall opening** on all sides so that it will adequately support the water fountain. This reinforcement must support up to 150 lbs static load and provide a means for securing the frame assembly in place.

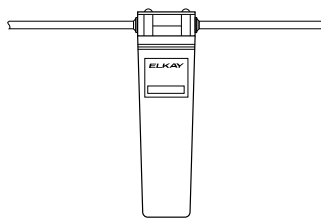
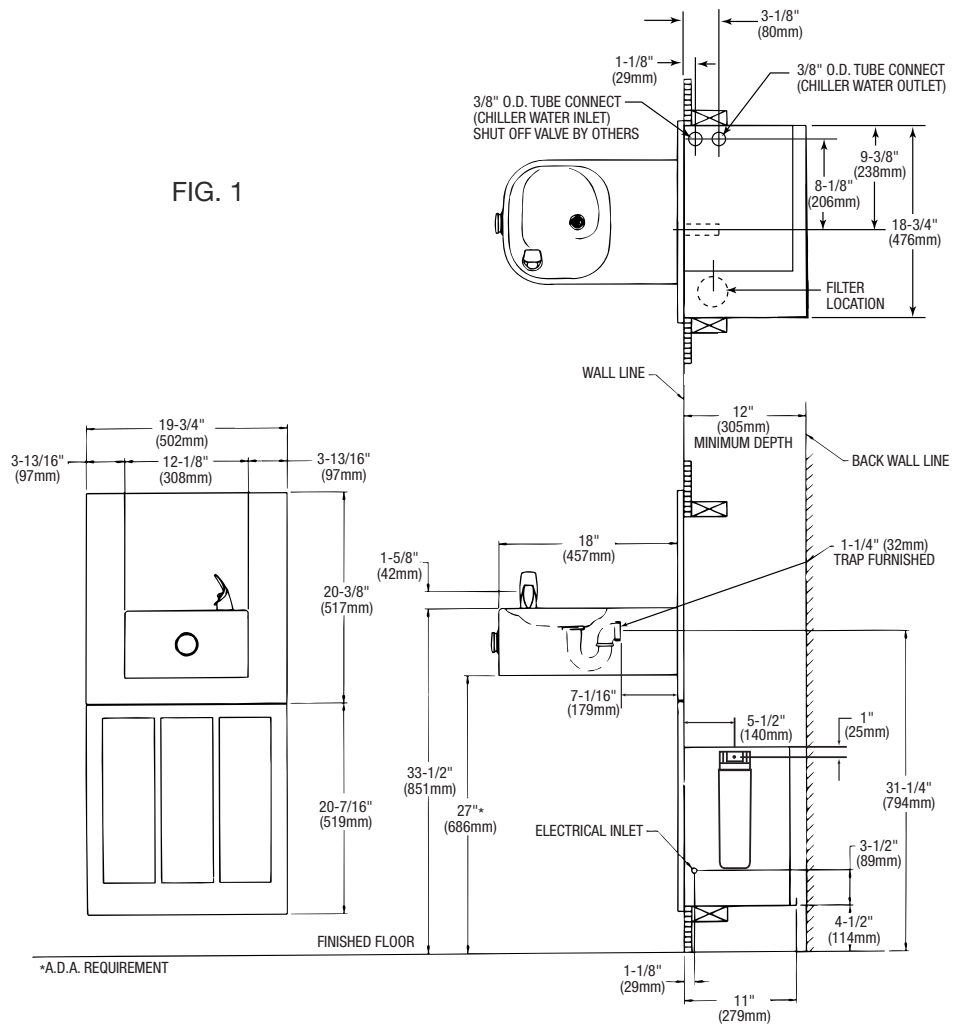
**NOTE:** Building construction must allow for adequate air flow on both sides and top of remote chiller unit. Minimum of 4" (102mm) is required. (See Figures 1 & 2)

**3. Install plumbing and electrical rough-ins.** See Figure 1 for location of the supply water inlet to chiller and for the location of the waste water outlet. A junction box for a (3) wire, 10 amp branch circuit is provided on the inside of the chiller. (Standard 120 Volts, 60 Hz and single phase) See Figure 2 for the electrical inlet location.

**4. Remove frame and related hardware** from packaging. Release the two shelf rods by cutting cable ties. Install the frame squarely in wall opening with frame upright edges flush with the finished wall face. (See Figure 2) Place shelf inside frame and line up the (2) holes on each. Insert loose ends of rods into holes on sides of shelf panel. Using appropriately sized wood screws (not provided), fasten the shelf and frame to bottom of wall opening. (See Figure 2) Secure the frame sides and top to the wall using (10) 5/16" x 2" lag bolts or screws (not provided).

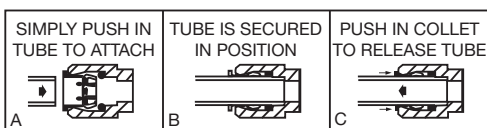
**NOTE:** Be sure that frame is squared in location. Do not use less than the required screw quantity and size.

FIG. 1



WaterSentry® VII Filter System

**OPERATION OF QUICK CONNECT FITTINGS**



PUSHING TUBE IN BEFORE PULLING IT OUT HELPS TO RELEASE TUBE

FIG. 2

