



SYMMONS®

WHOLE FOODS - FERGUSON EVOLUTION ON-SITE OVERVIEW

April 2026



FERGUSON

CONTENTS

INTRODUCTION	3
Arrival at the Store	3
Parking and Signing In	3
Meet the Store Manager and Gain Access to Mechanical Rooms	3
Site Assessment, Sensors, and Locations	4
Sensor Location Checklist	4
Service Point Access	5
Gateway and Sensor Installation	6
Gateways	6
Utility Meter Sensor	7
Temperature Sensors	7
Leak Sensors	8
Clamp-On Flow Sensors	9
Electrical Power for Clamp-On Flow Sensors	9
Prior to Leaving the Store	9
Support	9
Appendix A – Trademarks	10
Symmons Trademarks	10
External Trademarks	10
Appendix B – Sensor Location Checklist	11
Appendix C – Evolution Printable Measurement Tool	12

INTRODUCTION

This document serves as a quick-start guide for installers representing Ferguson® when installing Symmons Evolution® Building Management Systems in Whole Foods Market® locations. It details the start-to-finish processes for installers and includes specific information on each sensor type and their recommended locations.

Arrival at the Store

Parking and Signing In

When you arrive at the store, park near the building, but avoid taking up key customer spots near the entrances or exits. You'll need to bring in tools and equipment, so parking a few rows out or on the side of the building are good options.

Once inside the store, go directly to the Customer Service desk, ask to speak to the store manager, and let them know you're there to install Symmons Evolution. Store managers should have been notified in advance of the Evolution installation.

While waiting for the manager to arrive, sign in on the store's Visitors Logbook and get temporary name tags for each member of your installation team.

Meet the Store Manager and Gain Access to Mechanical Rooms

Once the store manager arrives, introduce yourself and members of your team, and give the manager a brief overview of the work involved and a rough timeline of how long you'll be in the store.

Let the manager know that all work will be performed in backroom areas, and that no work is needed on the sales floor.

In most stores, the mechanical room and the water meter/sprinkler room are locked areas, so ask the manager to show you where those areas are and to unlock the doors for you. Prop the doors open until you're finished working in those areas.

Note: Use this opportunity to ask the Store Manager if they're aware of any water issues or leaks in the store.

At this point, the store manager is no longer needed and can return to their role. Thank them for access and let them know that you'll check in with them once the installation is complete.

Site Assessment, Sensors, and Locations

Walk around the backroom and mechanical rooms to locate the areas and equipment in the following Sensor Location Checklist.

Sensor Location Checklist

See [Appendix B - Sensor Location Checklist](#) for larger image, if needed:

Sensor Type	Sensor Name	Sensor Location	Contingency / Alternates	Needs Power?
Gateway	Gateway 1	Closer to the Mechanical Room		Yes
	Gateway 2	Closer to the furthest Sensor from Mechanical Room		Yes
Utility Meter	Utility Meter	DCW Water Main Meter	<i>If not compatible, prioritize a flow sensor for DCW Main</i>	Yes
Temp Sensor	Temp 1	DHW TMV Outlet	Priority List:	No
	Temp 2	DHW Tempered Return	(1) Cold Water Inlet at TMV	No
	Temp 3	Storage Tank #1 Outlet	(2) HVAC Loop Temp	No
	Temp 4	Storage Tank #2 Outlet	(3) 2nd Return Line (if applicable)	No
	Temp 5	Storage Tank #3 Outlet	(4) Boiler Temp	No
	Temp 6	Hot Water Inlet to TMV	(5) Heat Exchanger Loop	No
			(6) Hot Water Drop into a Department Furthest from Mechanical Room	No
			(7) Reclaim Tank Outlet	No
			(8) Employee Wash Station (DHW to Bathrooms)	No
			(9) DHW to Department	No
Leak Sensor	Leak 1	Next to/Under Storage Tanks	(10) AHU (Air Handling Unit) Inlet	No
	Leak 2	Refrigerant Racks	(1) DCW Main Drain	No
				No
				No
Flow Sensor	Flow 1	DCW to Heaters	Priority List:	Yes
	Flow 2	Chilling Tower/Cooling Makeup Line	(1) Replacement for Utility Meter (if necessary)	Yes
	Flow 3	DCW to Produce	(2) Alternate Departments (see Chart 'Department Priority')	Yes
	Flow 4	DHW to Prepared Foods	(3) Recirculating Pump	Yes
	Flow 5	DHW to Seafood	(4) DCW Public Restrooms	Yes
			(5) DHW to Departments	Yes
			(6) Irrigation	Yes
			(7) DCW to Bar/Restaurant	Yes
			(8) DHW Service Sink/Slop Sink/Mop Closet	Yes
			(9) Water Softener Outlet	Yes
			(10) Condenser Cold Water Supply	Yes
			(11) DCW to Employee Bathroom	Yes
			(12) Ice Maker	Yes
* If can't meet Temp or Flow Sensors counts, add an additional leak detector if the location makes sense from alert				
* For support or questions during installation call your Customer Success Manager jake Liguori 781-562-5714				

Figure 1. Sensor Location Checklist, which indicates sensor types, locations, and alternate locations.

Each store layout is unique, and the equipment within will be unique as well. For example, some stores may have multiple individual water heaters while other stores may have one main water heater with multiple storage tanks.

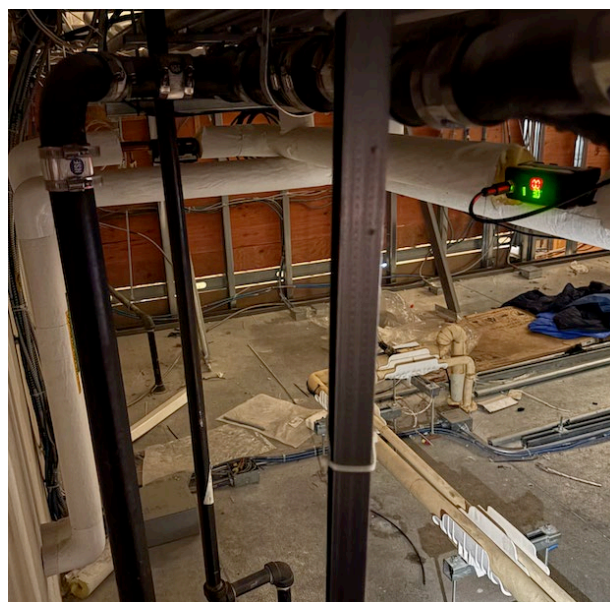
A thorough walkthrough of the store is the first step to identify what primary sensor locations are available, and to determine any alternate sensor locations if the primary locations are not present.



Figures 2 and 3. Evolution Temperature Sensors on domestic hot water (DHW) piping.

Service Point Access

During the initial pilot program in 30+ Whole Foods properties, site surveys revealed that many of the service points for the Clamp-On Flow Sensors are located above walk-in coolers, as shown below:



Figures 4 and 5. Access to mechanical service points on top of walk-in cooler, with flow sensor on DHW piping.

Note: All Whole Foods locations have ladders for use within the store, and you may use them to survey and work in elevated areas. Be wary of suspended ceilings when walking in elevated areas and make sure any power cords installed do not present a tripping hazard for anyone accessing those spaces.

Gateway and Sensor Installation

Gateways

Gateways should be the first devices installed since they are needed to install all other Evolution devices. Gateways enable the sensors to communicate with the Evolution platform, and each store will require two (2) gateways.

One of the gateways assigned to the store will include a Whole Foods-issued decal with a serial number. Take a clear picture of this label with the serial number clearly readable and email it to evolution@symmons.com with the store location and information:



Figure 6. Gateway installed in the manager's office near the mechanical room.



Figure 7. Whole Foods gateway decal with QR Code and serial number

Always start by installing the first gateway as close to the general area near the mechanical or water heater room. The second gateway should be near the furthest sensor to the first gateway, usually at the far end of the store:



Figure 8. Suggested gateway locations in a typical store layout.

Utility Meter Sensor

Next, locate the domestic cold water (DCW) supply to the building and install the Evolution Utility Meter Sensor.

Contact your assigned Evolution CSM with a picture of the water/utility meter to determine if the model is compatible with the Evolution Utility Meter Sensor.

Note: If the store's water meter is NOT compatible with the Evolution Utility Meter Sensor, install an Ultrasonic Flow Sensor on the DCW Main water line. The DCW Main is a critical monitoring point that must have an Evolution sensor installed for accurate system readings in each store.



Figure 9. Domestic cold water (DCW) supply to the store with the Evolution Utility Meter Sensor attached.

Temperature Sensors

Most of the temperature sensors will be installed in the general vicinity of the domestic hot water heaters and are the least time-consuming to install. Refer to [Appendix B – Sensor Location Checklist](#) for the service points.

A good plan is to first find the main DHW tempered water mixing valve (if there is one) or the main storage tank outlet. From there, trace the water lines to get a clear picture of the cold, hot, and tempered water distribution to the store.

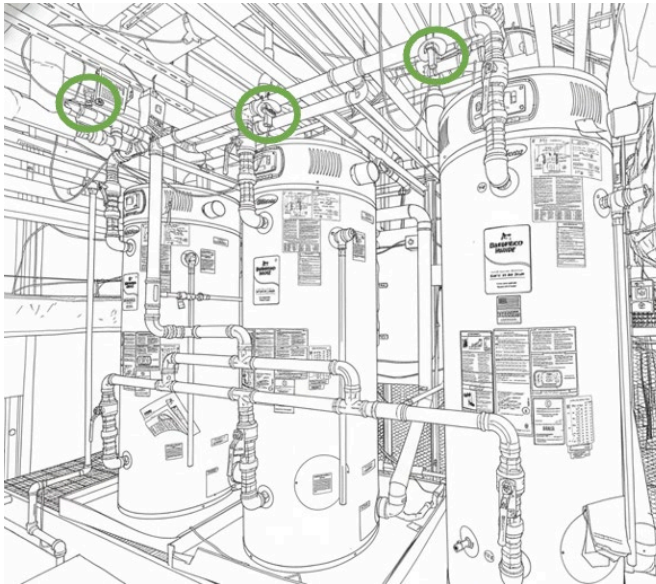


Figure 10.. Temperature Sensors on water heater outlets.

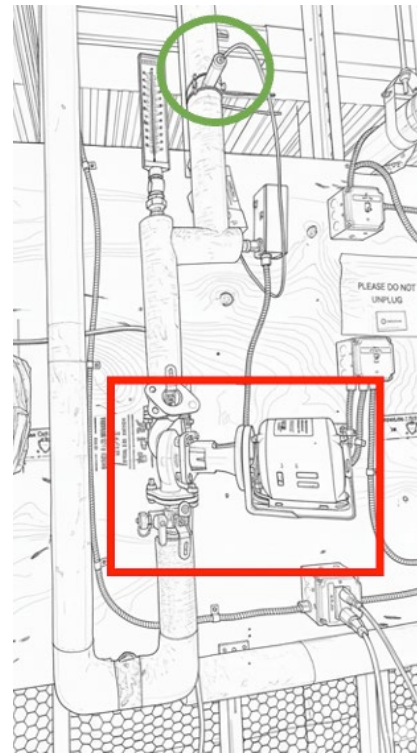


Figure 11. Temperature Sensor on recirculation line.

Leak Sensors

Similar to temperature sensors, Evolution Leak Sensors should be installed at service points near hot water assets, such as water heaters and storage tanks. These leak sensors can easily be installed right after temperature sensors installation is complete.



Figure 12. Evolution puck and rope leak sensors near water heater tanks.

Clamp-On Flow Sensors

When preparing for Evolution Flow Sensor installation, bring the Symmons-issued measuring tool to identify the proper pipe size and material for the clamp-on flow sensors. Be sure to note which model number you'll need.

The most efficient method for installing flow sensors is to measure the service points first, collect the appropriate sensors, and then install them in a logical order according to access.

Electrical Power for Clamp-On Flow Sensors

Evolution Clamp-On Flow Sensors are the only sensors that require electrical power from a standard 120-volt outlet. If you encounter a situation where you have a service point identified, but there are no power outlets in the area, locate the flow sensor on the water line closer to an area where there is an outlet, or use the extension cords provided in the Evolution package.

If you use extension cords, be sure to run cords in a manner that enables safe access for employees and freight. Use the cable wire ties where possible to keep the extension cord secured and out of the way of employees and freight traffic.

Prior to Leaving the Store

1. Log in to the Symmons Evolution app and ensure all sensors are online and connected to the gateway.
2. Review [Appendix B - Sensor Location Checklist](#) and verify that the correct number of sensors have been installed at the service points indicated.
3. Pack up your tools and any Evolution-related product and return it to your vehicle.
4. Consolidate and remove all Evolution-related packaging and trash and leave the mechanical room and installation areas clean. Return any ladders to their storage locations.
5. Locate the store manager and let them know that the installation is complete and thank them for their cooperation.
6. Go to the Customer Service desk and sign out of the Visitor's Logbook.

Support

The Symmons team has organized this Evolution rollout into regions, and a representative from the Customer Success team has been assigned as your point of contact for any questions during the installation. If you do not have this team member's contact information, contact 1-800-SYMMONS (1-800-796-6667).

Appendix A – Trademarks

The following appendix lists the trademark and copyright information for Symmons products and external products referenced within this document.

Symmons Trademarks

Symmons®

Symmons® is a registered trademark of Symmons, LLC.

Symmons Evolution®

Symmons Evolution® is a registered trademark of Symmons, LLC.

External Trademarks

Ferguson®

Ferguson is a registered trademark of Ferguson Enterprises, LLC.

Whole Foods Market®

Whole Foods Market is a trademark of Whole Foods Market IP, Inc.

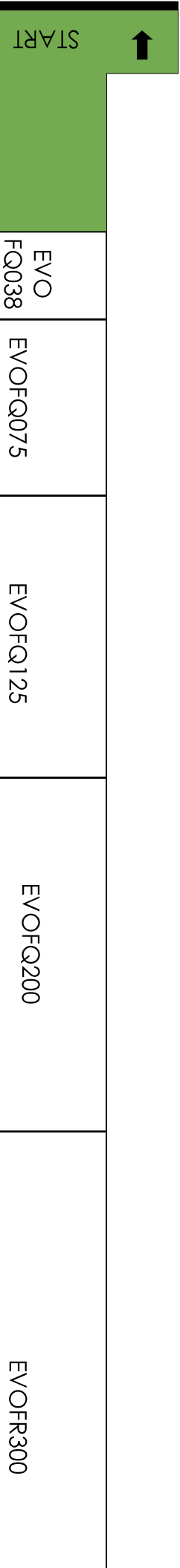
Appendix B – Sensor Location Checklist

Sensor Type	Sensor Name	Sensor Location	Contingency / Alternates	Needs Power?
Gateway	Gateway 1	Closer to the Mechanical Room		Yes
	Gateway 2	Closer to the furthest Sensor from Mechanical Room		Yes
Utility Meter	Utility Meter	DCW Water Main Meter	<i>If not compatible, prioritize a flow sensor for DCW Main</i>	Yes
Temp Sensor	Temp 1	DHW TMV Outlet	Priority List:	No
	Temp 2	DHW Tempered Return	(1) Cold Water Inlet at TMV	No
	Temp 3	Storage Tank #1 Outlet	(2) HVAC Loop Temp	No
	Temp 4	Storage Tank #2 Outlet	(3) 2nd Return Line (if applicable)	No
	Temp 5	Storage Tank #3 Outlet	(4) Boiler Temp	No
	Temp 6	Hot Water Inlet to TMV	(5) Heat Exchanger Loop	No
			(6) Hot Water Drop into a Department Furthest from Mechanical Room	No
			(7) Reclaim Tank Outlet	No
			(8) Employee Wash Station (DHW to Bathrooms)	No
			(9) DHW to Department	No
			(10) AHU (Air Handling Unit) Inlet	No
Leak Sensor	Leak 1	Next to/Under Storage Tanks	(1) DCW Main Drain	No
	Leak 2	Refrigerant Racks		No
				No
Flow Sensor	Flow 1	DCW to Heaters	Priority List:	Yes
	Flow 2	Chilling Tower/Cooling Makeup Line	(1) Replacement for Utility Meter (if necessary)	Yes
	Flow 3	DCW to Produce	(2) Alternate Departments (see Chart 'Department Priority')	Yes
	Flow 4	DHW to Prepared Foods	(3) Recirculating Pump	Yes
	Flow 5	DHW to Seafood	(4) DCW Public Restrooms	Yes
			(5) DHW to Departments	Yes
			(6) Irrigation	Yes
			(7) DCW to Bar/Restaurant	Yes
			(8) DHW Service Sink/Slop Sink/Mop Closet	Yes
			(9) Water Softener Outlet	Yes
			(10) Condenser Cold Water Supply	Yes
			(11) DCW to Employee Bathroom	Yes
			(12) Ice Maker	Yes
*If can't meet Temp or Flow Sensors counts, add an additional leak detector if the location makes sense from alert				
* For support or questions during installation call your Customer Success Manager Jake Liguori 781-562-5714				

Appendix C – Evolution Printable Measurement Tool

Print the following pages and use it as a measurement tool to determine pipe size for Evolution Flow Sensors.

The pipe size range for each model is clearly indicated on the measuring tool.



	EVOFR500	EVOFR800

