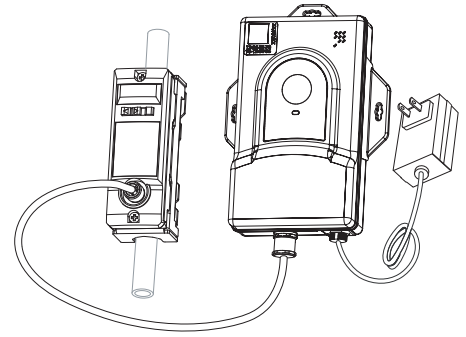
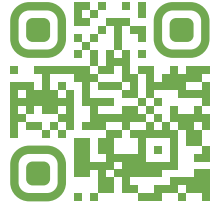


Location:



EVOFQ038KIT, EVOFQ075KIT, EVOFQ125KIT,  
EVOFQ200KIT  
Evolution Flow Sensor Module, Clamp-on Meter  
**Installation Guide**



Model Numbers		Feature Highlights
<input type="checkbox"/> <b>EVOFQ038KIT</b>	FLOW SENSOR, Clamp-on Meter, 1/4" to 3/8"	<ul style="list-style-type: none"><li>• Flow Sensor Meter</li><li>• 24V DC Power Supply 60"</li><li>• 30 Foot M12 Cable</li><li>• Clamp-On Meter - Pipe Sizes ranging from 1/4" to 1-1/2" - Please see "Supported Pipe Diameter" Chart on dimension page for appropriate sizing.</li></ul>
<input type="checkbox"/> <b>EVOFQ075KIT</b>	FLOW SENSOR, Clamp-on Meter, 1/2" to 3/4"	
<input type="checkbox"/> <b>EVOFQ125KIT</b>	FLOW SENSOR, Clamp-on Meter, 1" to 1-1/4"	
<input type="checkbox"/> <b>EVOFQ200KIT</b>	FLOW SENSOR, Clamp-on Meter, 1-1/2" to 2"	
Repair Parts		Warranty
<input type="checkbox"/> <b>EVOAPWR24</b>	Replacement Power Supply 24VDC	<b>Limited Lifetime</b> - to the original end purchaser in consumer/residential installations. <b>10 Years</b> - for commercial/industrial installations. Refer to <a href="http://www.symmons.com/warranty">www.symmons.com/warranty</a> for complete warranty information. 
		Compliance
		<ul style="list-style-type: none"><li>• IC: 24889-WW08189</li><li>• FCC ID: 2ASQP-WW08189</li></ul> <p>This device complies with part 15 of the FCC Rules.</p>

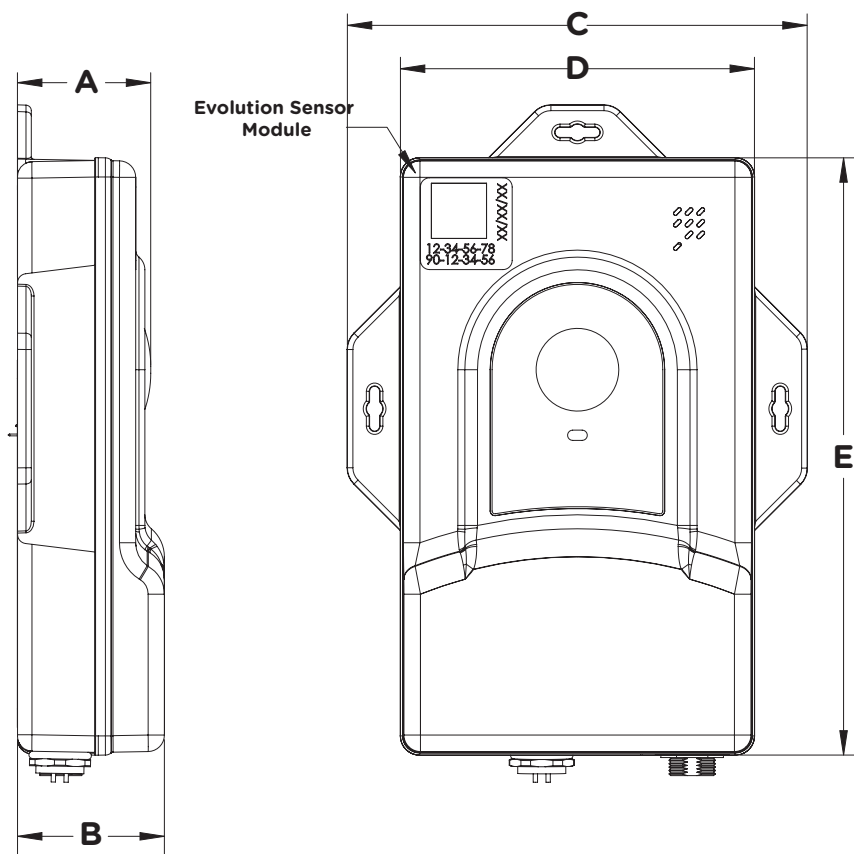
## Architectural/ Engineering Specification

Symmons Evolution EVOFQ038KIT, EVOFQ075KIT, EVOFQ125KIT, EVOFQ200KIT Includes flow sensor module, 24 V DC power supply, 30 foot M12 cable, and clamp-on meter (pipe sizes ranging from 1/4" to 1-1/2"). 10 Year Commercial Warranty. FCC rules compliant.

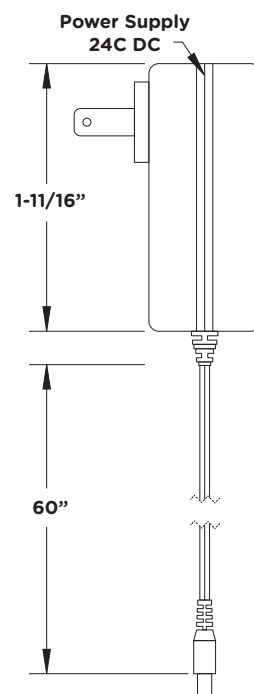
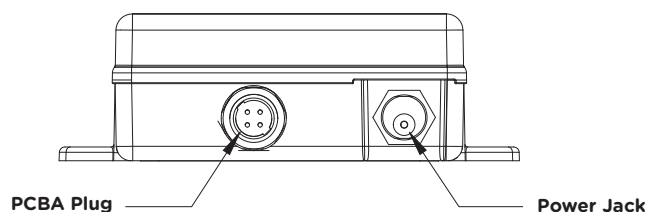
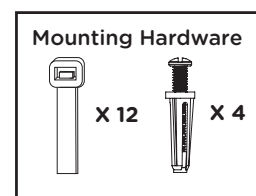


EVOFQ038KIT, EVOFQ075KIT, EVOFQ125KIT,  
EVOFQ200KIT

## Dimensions - Flow Sensor (Included in Kit)



Measurement	
A	1-7/16"
B	1-5/8"
C	5"
D	3-7/8"
E	6-1/2"

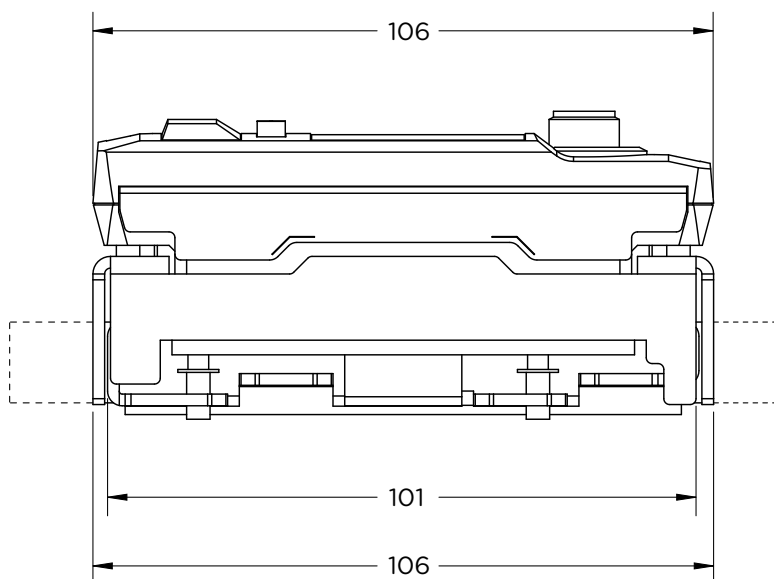
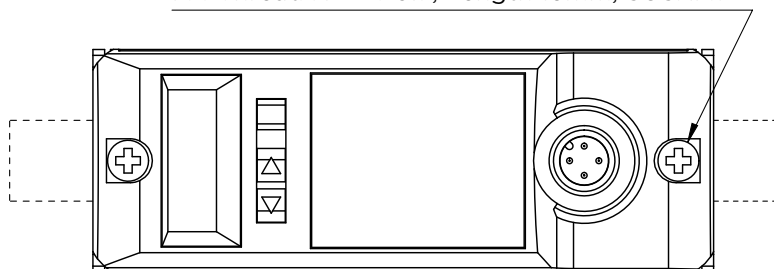




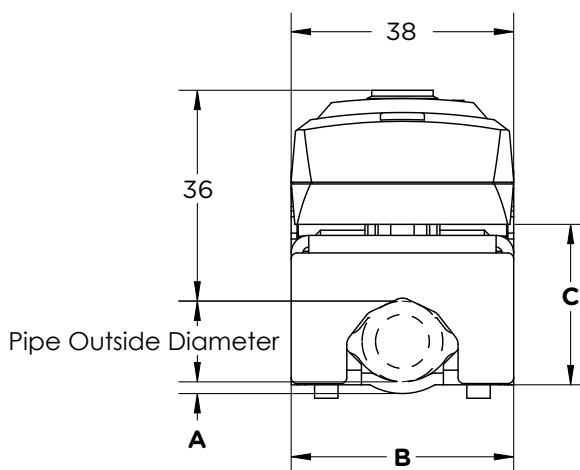
EVOFQ038KIT, EVOFQ075KIT, EVOFQ125KIT,  
EVOFQ200KIT

## Dimensions - Clamp On Meter (Included in Kit)

For securing main body to pipe  
M4 Thread X 2 - P0.7, Length 16mm, SUSXM7



Clamp on Meter Dimensions (mm)			
Model	A	B	C
EVOFQ038KIT	38	38	25.3
EVOFQ075KIT	MAX 2.5	48	30
EVOFQ125KIT	MAX 4.2	67	46.7
EVOFQ200KIT	MAX 3.6	88	56



## Supported Pipe Diameter

Model	EVOFQ038KIT		EVOFQ075KIT		EVOFQ125KIT		EVOFQ200KIT	
Outer Diameter (mm)	Ø12 to Ø16	Ø16 to Ø18	Ø18 to Ø23	Ø23 to Ø28	Ø28 to Ø37	Ø37 to Ø44	Ø44 to Ø52	Ø52 to Ø64
NPS (Nominal Pipe Size)	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
DN (Diameter Nominal)	8 A	10 A	15 A	20 A	25 A	32 A	40 A	50 A



EVOFQ038KIT, EVOFQ075KIT, EVOFQ125KIT,  
EVOFQ200KIT

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## **Installation Training Checklist**

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### **Install Gateway**

1. Open the Box and Find a location to plug in the Gateway
2. Unpack, assemble, and plug Gateway to 120VAC Supply

### **Setup Custom on Evolution App**

3. Creates and Configure Customer Property
4. Creates Customer account and send Email Invitation
5. Customer Logs into water.symmons.com
6. Download the Evolution App for iOS or Android and Sign-In
7. Scan Gateway QR Code and Complete App Steps

### **Install Temperature Sensor**

8. Plug a Temperature Probe into a Sensor Module and Turn ON
9. Install Temperature Sensor
10. Scan Temperature Sensor Module and Complete App Steps

### **Install Pipe Clamp-On Flow Sensor**

11. Plug Clamp-on Keyence Sensor Probe into Sensor Module and plug power supply into a 120VAC outlet
12. Install Clamp-on Flow Sensor onto pipe
13. Scan Sensor Module and Complete App Steps

### **Configure System**

14. Setup Other Users
15. Configure Alerts
16. Set Meeting for System follow-up (1-2 weeks from Training)

EVOFQ038KIT, EVOFQ075KIT, EVOFQ125KIT,  
EVOFQ200KIT

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## Install Gateway

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### 1. Location

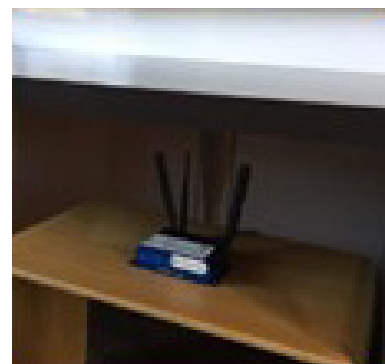
Find a central location for the Gateway. Location should be a secure area not enclosed in metal. Recommended locations include:



**Mechanical Room**



**Admin. Office**



**Front Desk**

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### 1. Connect Gateway Hardware

- A.** Locate Gateway, Power Adapter, (1x) Thin Antenna, (2x) Wide Antennas



- B.** Connect Antennas and Power Adapter to the back of the Gateway



**Note:** After plugging the Gateway power adapter into an outlet, it could take a few minutes to boot up.



EVOFQ038KIT, EVOFQ075KIT, EVOFQ125KIT,  
EVOFQ200KIT

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## Customer App Setup

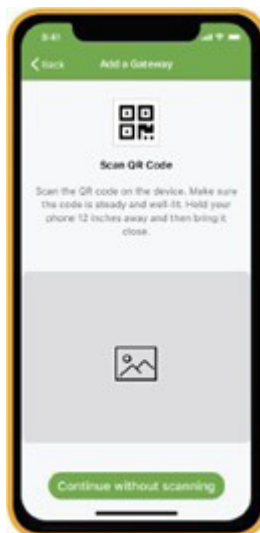
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1. Create and Configure Customer Property
2. Create Customer account & send Email Invitation
3. Customer Logs into [water.symmons.com](https://water.symmons.com)
4. Download the Evolution App for iOS or Android and Sign-In



Scan the Provided QR Code with your Smartphone or camera to download the evolution App.

5. Scan Gateway QR Code and Complete In-app Steps





EVOFQ038KIT, EVOFQ075KIT, EVOFQ125KIT,  
EVOFQ200KIT

## Installation - Pipe Clamp-On Flow Sensor

### Tools Required

- Philips-head screwdriver
- The pipe measuring kit include in welcome pack
- Measuring tape to check mounting clearances

### 1. Setup Custom on Evolution App

- A. Determine which sensor for your pipe size,

Supported Pipe Diameter								
Model	EVOFQ038KIT		EVOFQ075KIT		EVOFQ125KIT		EVOFQ200KIT	
Outer Diameter (mm)	Ø12 to Ø16	Ø16 to Ø18	Ø18 to Ø23	Ø23 to Ø28	Ø28 to Ø37	Ø37 to Ø44	Ø44 to Ø52	Ø52 to Ø64
NPS (Nominal Pipe Size)	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
DN (Diameter Nominal)	8 A	10 A	15 A	20 A	25 A	32 A	40 A	50 A

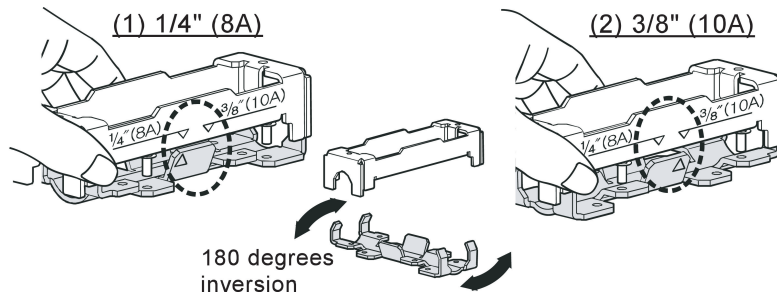
### 2. Find the best location to mount.

- A. The sensor connects to the module box with either a 10-foot or 30-foot cable and the module box has a 4-foot power cable that must be plugged into an electrical outlet.
- B. Select a section of a straight pipe that is clean with no insulation, rust, or seams. If there is insulation on the pipe, cut away a space slightly larger than the sensor.
- C. Look for a pipe that is horizontal or is vertical with an upward flow
- D. There are two different types of brackets. FD-Q for smaller pipes and FD-R for larger pipes.

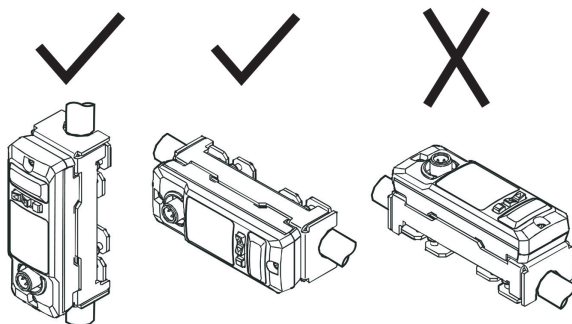
EVOFQ038KIT, EVOFQ075KIT, EVOFQ125KIT,  
EVOFQ200KIT

## Installation - Pipe Clamp-On Flow Sensor & Module (Cont'd)

### 3. Mounting EVOFQ038KIT, EVOFQ075KIT, EVOFQ125KIT and EVOFQ200KIT

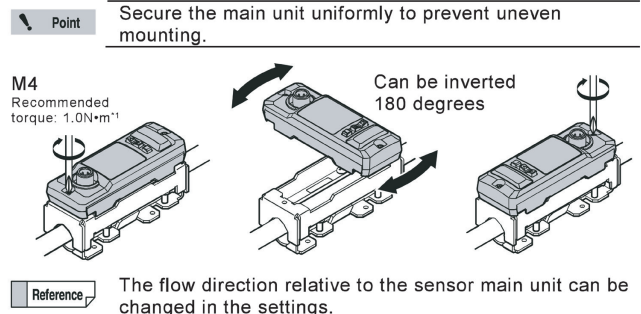


- A. The brackets for FD-Q are designed to be used for two different pipe sizes. The mount can be changed between the two pipe sizes by flipping the bracket around as shown below. Ensure that the mount is set to the appropriate pipe size..
- B. Take off the mounting ring to expose and remove the four bracket mounting screws.
- C. Straddle the bracket on a clean section of the pipe. Make sure the bracket is oriented in such a way that it is not on top of a horizontal pipe as this will cause stability issues when the pipe is completely filled with fluid. Re-insert the screws and tighten them evenly until the bracket is snug.



- D. Slide the controller mounting ring back on and carefully replace the controller within the bracket with the display screen upright and clearly visible.

#### Fix the sensor main unit to the brackets.



- E. Tighten the two screws evenly so the controller is securely attached to the bracket.

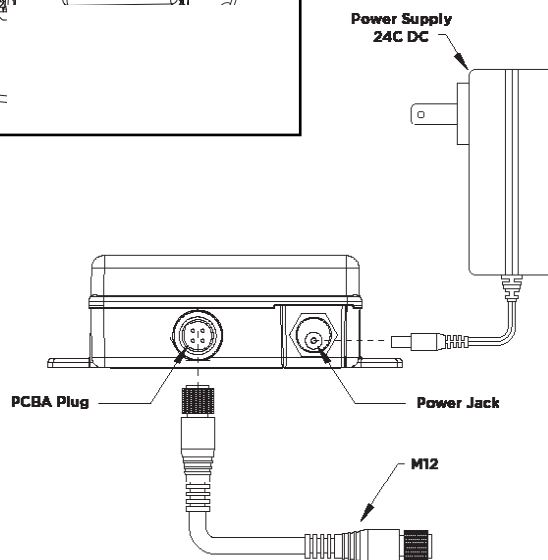
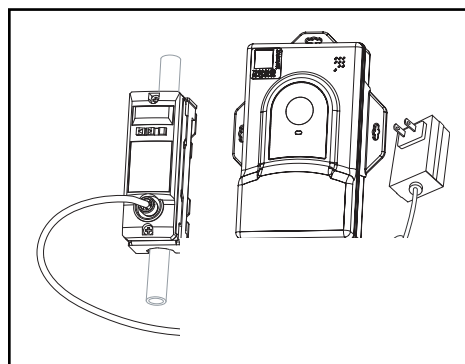


EVOFQ038KIT, EVOFQ075KIT, EVOFQ125KIT,  
EVOFQ200KIT

## Installation - Pipe Clamp-On Flow Sensor & Module (Cont'd II)

### 4. Mounting Sensor Module

- A.** These modules have a 4-foot power cord so find a location that is within reach where the box will be accessible and visible. The boxes are splash proof but not waterproof so find a dry place.
- B.** The modules can be mounted by either screwing it into a wall or but using cable ties to attach them to an insulated pipe, bracket, or hanger.
- C.** Plug the cable from the flow sensor into the sensor module. Once the connector is plugged in, spinning the locking ring until it locks into place.



### 4. Sensor Module App Setup

- A.** Scan Sensor Module QR Code
- B.** Complete App Steps

