

EcoloxTech

INSTALLATION MANUAL

EcoloxTech 240 System

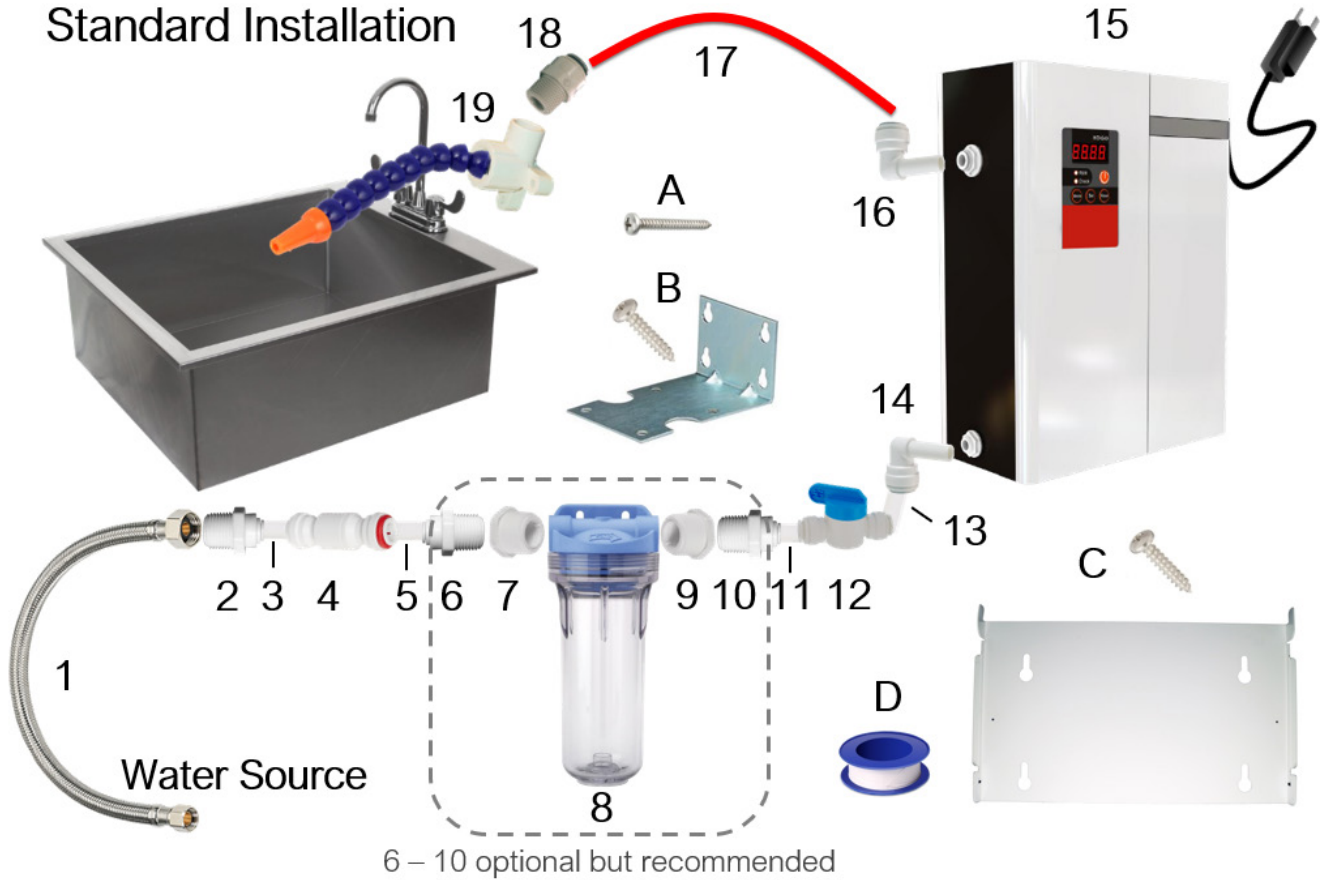


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Standard Installation



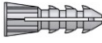





| | | | |
|----------|---------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------|
| 1 | Option A) 3/8" Comp x 1/2" FPT Connector (SKU: P-1035) | 10 | 3/8" Push Fit x 1/2" MPT (SKU: P-1044) |
| | Option B) 1/2" Comp x 1/2" FPT Connector (SKU: P-1021) | 11 | 3/8" OD LLDPE Polyethylene Tubing – Cut to size (SKU: T-1013) |
| 2 | 3/8" Push Fit x 1/2" MPT (SKU: P-1044) | 12 | 3/8" x 3/8" Push Fit Valve (SKU: P-1014) |
| 3 | 3/8" OD LLDPE Polyethylene Tubing – Cut to size (SKU: T-1013) | 13 | 3/8" OD LLDPE Polyethylene Tubing – Cut to size (SKU: T-1013) |
| 4 | 3/8" OD Push Fit Check Valve (SKU: P-1118) | 14 | 3/8" Stem x 3/8" Push Fit Elbow Connector (SKU: P-1106) |
| 5 | 3/8" OD LLDPE Polyethylene Tubing – Cut to size (SKU: T-1013) | 15 | EcoloxTech 240 System (SKU: E-240S) |
| 6 | 3/8" Push Fit x 1/2" MPT (SKU: P-1044) | 16 | 1/2" Stem x 1/2" Push Fit Elbow Connector (SKU: P-1105) |
| 7 | 3/4" MPT x 1/2" FPT Hex Bushing (SKU: P-1030) | 17 | 1/2" OD LLDPE Red Polyethylene Tubing – Cut to size (SKU: T-1063) |
| 8 | Filter Housing 3/4" FPT (SKU: F-1015) (SKU: F-1020) | 18 | 1/2" Push Fit x 1/2" MPT (SKU: P-1098) |
| 9 | 3/4" MPT x 1/2" FPT Hex Bushing (SKU: P-1030) | 19 | Flexible Hose with Mount (SKU: E-1100) |
| A | Mounting Screws (Step 19) - Quantity: 3 (SKU: P-1102) | C | EcoloxTech 240 Mounting Bracket (SKU: E-1071) Mounting Screws – Quantity: 4 (SKU: P-1103) |
| B | Mounting Kit for Filter Housing (Step 8) (SKU: E-3195) | D | Teflon Thread Seal Tape (SKU: P-1042) |

Parts and Accessories (for replacement parts, visit: store.ecoloxtech.com)

| Image | Part Name / SKU | Quantity |
|-------------------------------------------------------------------------------------|------------------------------------------------------------|----------|
| Water Source Connection | | |
|  | 3/8" Comp x 1/2" FPT Connector (SKU: P-1035) | 1 |
|  | 1/2" Comp x 1/2" FPT Connector (SKU: P-1021) | 1 |
| Fittings | | |
|  | 3/8" OD Push Fit Check Valve (SKU: P-1118) | 1 |
|  | 3/8" Push Fit x 1/2" MPT (SKU: P-1044) | 3 |
|  | 3/4" MPT x 1/2" FPT Hex Bushing (SKU: P-1030) | 2 |
|  | 3/8" x 3/8" Push Fit Valve (SKU: P-1014) | 1 |
|  | 3/8" Stem x 3/8" Push Fit Elbow Connector (SKU: P-1106) | 1 |
|  | 1/2" Stem x 1/2" Push Fit Elbow Connector (SKU: P-1105) | 1 |
|  | 1/2" Push Fit x 1/2" MPT (SKU: P-1098) | 1 |
| Tubing | | |
|  | 3/8" OD LLDPE Polyethylene Tubing - Clear (SKU: T-1013) | 6 feet |
|  | 1/2" OD LLDPE Polyethylene Tubing - Red (SKU: T-1063) | 6 feet |

| Image | Part Name / SKU | Quantity |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------|
| Filter Housing, Filter, & Mounting Kit for Filter Housing | | |
|  | Filter Housing 3/4" FPT (SKU: F-1015) | 1 |
|  | 10" Polypropylene Filter Cartridge (SKU: F-1020) | 1 |
|  | Filter Housing Mounting Bracket (SKU: P-1124) | 1 |
|  | Sheet metal screws, Phillips pan head, Stainless steel 18-8, #14 x 1-1/4" (SKU: P-1103) | 8 |
|  | Conical anchor, plastic, ribbed, #14-#16 x 1-1/4" (SKU: P-3191) | 4 |
| Spout | | |
|  | Flexible Hose with Mount (SKU: E-1100) | 1 |
|  | Metal screws, Phillips pan head, Stainless steel 18-8, #8 x 1-1/2" (SKU: P-1102) | 3 |
|  | Conical anchor, plastic, ribbed, #6-#8 x 7/8" (SKU: P-3190) | 3 |

| Image | Part Name / SKU | Quantity |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------|
| EcoloxTech 240 System Mounting Bracket | | |
|  | EcoloxTech 240 Mounting Bracket (SKU: E-1071) | 1 |
|  | Sheet metal screws, Phillips pan head, Stainless steel 18-8, #14 x 1-1/4" (SKU: P-1103) | 4 |
|  | Conical anchor, plastic, ribbed, #14-#16 x 1-1/4" (SKU: P-3191) | 4 |
| Installation Accessories | | |
|  | Teflon Thread Seal Tape (SKU: P-1042) | 1 |
|  | 3/16" Masonry Drill Bit (SKU: P-3186) | 1 |
|  | 5/16" Masonry Drill Bit (SKU: P-3187) | 1 |

Optional Parts (for replacement parts, visit: store.ecoloxtech.com)

| Image | Part Name / SKU | Quantity |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------|
| Couplings for 3/8" Tubing | | |
|  | 3/8" Push Fit Coupling (SKU: P-1032) | 1 |
|  | 3/8" Push Fit Elbow (SKU: P-1033) | 1 |
| Tees for Connecting Water Source | | |
|  | 3/8" Push Fit Tee (SKU: P-1054) | 1 |
|  | 3/8" x 3/8" x 3/8" Compression x Compression Brass T-Fitting (SKU: P-1061) | 1 |
|  | 1/2" x 1/2" x 3/8" Compression x Compression Brass T-Fitting (SKU: P-1062) | 1 |
| Mounting 1/2" Tubing | | |
|  | Tubing Clamp, 1/2" (SKU: P-1113) | 6 |
|  | #4038 Sheet metal screws, Phillips truss head, Stainless steel 18-8, #6 x 1" (SKU: P-3188) | 6 |
|  | #10852 Conical anchor, plastic, ribbed, #6-#8 x 7/8" (SKU: P-3190) | 6 |

Tools Needed

| Image | Name | Function |
|-------------------------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------|
|  | Ratcheting PVC Pipe Cutter | Cutting Polyethylene Tubing and Cutting PVC Pipe |
|  | Tongue and Groove Pliers | Tightening Fittings |
|  | Phillips Screwdriver | Mounting Brackets |
|  | Electric Drill / Driver and Phillips Screwdriver Bit | Mounting Brackets |

40 Gallon Holding Tank + Pump (SKU: E-4217)

Step 1: Connecting EcoloxTech 240 System Outflow to Holding Tank



| | | | |
|----------|-----------------------------------------------------|----------|----------------------------------------------------------------------|
| 1 | EcoloxTech 240 System (SKU: E-240S) | 4 | 3/4" MPT x 1/2" FPT Hex Bushing (SKU: P-1030) |
| 2 | 1/2" OD LLDPE Red Polyethylene Tubing (SKU: T-1063) | 5 | 40 Gallon Holding Tank with Pre-Installed Float Sensor (SKU: E-1190) |
| 3 | 1/2" Push Fit x 1/2" MPT (SKU: P-1098) | | |

Step 2: Connecting Holding Tank to Constant Pressure Pump



| | | | |
|----------|----------------------------------------------------------------------|----------|---------------------------------------------------------|
| 1 | 40 Gallon Holding Tank with Pre-Installed Float Sensor (SKU: E-1190) | 5 | 1" FPT X MPT PVC 90 Degree Elbow (SKU: P-4208) |
| 2 | 1" MPT x Socket PVC 90 Degree Elbow (SKU: P-1196) | 6 | Grundfos Scala2 Composite Pump - 110/120V (SKU: G-1011) |
| 3 | 1" PVC Schedule 40 Pipe – Cut to size (SKU: T-1200) | 7 | 1" FPT X MPT PVC 90 Degree Elbow (SKU: P-4208) |
| 4 | 1" Socket x FPT PVC Female Adapter (SKU: P-1198) | 8 | 1" Socket x FPT PVC Female Adapter (SKU: P-1198) |
| A | PVC Heavy-Duty Cement (SKU: C-4211) | | |

Step 3: Connecting Float Sensor to EcoloxTech 240 System



| | | | |
|----------|----------------------------------------------------------------------|----------|-------------------------------------|
| 1 | 40 Gallon Holding Tank with Pre-Installed Float Sensor (SKU: E-1190) | 3 | EcoloxTech 240 System (SKU: E-240S) |
| 2 | Sensor-to-System Quick Connect Cable (SKU: E-3192) | | |

Operational Mode

After connecting the float switch sensor, the system must be set to “Level Mode”. See page 13 for instructions on changing the operational mode.

Remote Switch (SKU: E-1187)



| | | | |
|----------|-------------------------------------------------------|----------|--------------------------------|
| 1 | EcoloxTech 240 System (SKU: E-240S) | 3 | Remote Switch (SKU: E-1187) |
| 2 | Sensor-to-System Quick Connect Cable (SKU: E-3192) | | |

Operational Mode

After connecting the remote switch sensor, the system must be set to “Level Mode”. See page 13 for instructions on changing the operational mode.

Operational Mode



| No. | Description |
|-----|---------------------------------|
| 1 | LED display |
| 2 | System is running |
| 3 | Check error code in LED display |
| 4 | System RUN On/Off |
| 5 | Mode button (see uses below) |
| 6 | Set button (see uses below) |
| 7 | Reset alarm to resume running |

Operational Modes

| | |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Standard Mode</p> | <p>Setting to standard mode:</p> <ol style="list-style-type: none"> 1. Press and hold "Set" button for 3 seconds and release 2. Press "Reset" button once 3. Press and hold "Mode" button for 3 seconds and release |
| <p>Level Mode</p> | <p>Setting to level mode:</p> <ol style="list-style-type: none"> 1. Press and hold "Set" button for 3 seconds and release 2. Press "Set" button once 3. Press and hold "Mode" button for 3 seconds and release |