



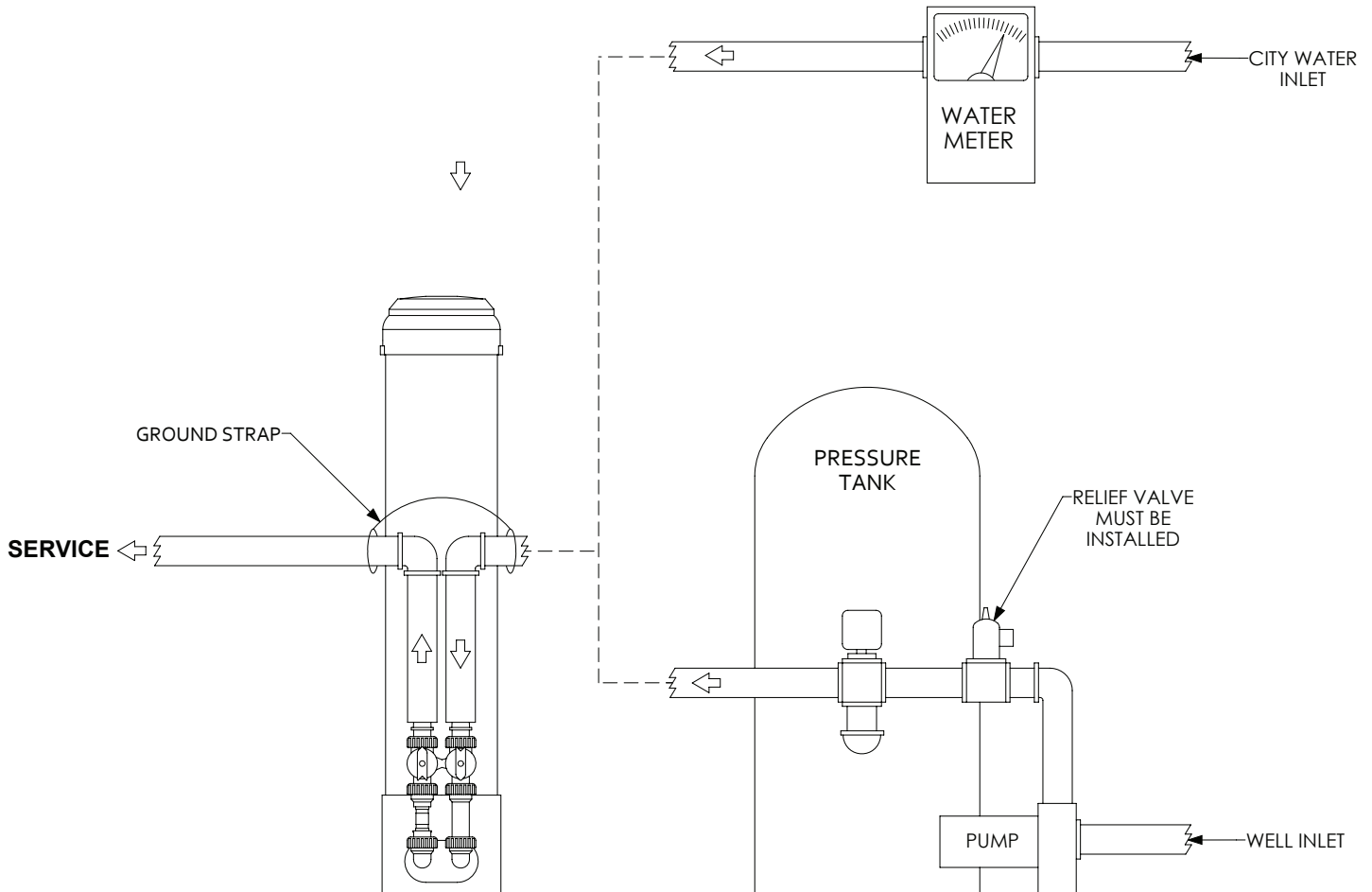
INSTALLATION AND OPERATION MANUAL

FOR NON-METERED ENPRESS BYPASS SOLUTIONS

This manual should be kept for future reference. If you have any questions regarding your water filter, contact your local dealer, OEM, or the manufacturer at the following:

ENPRESS, LLC. // 34899 Curtis Blvd., Eastlake Ohio 44095 // Phone: 866.859.9274
// Fax: 440.510.0202 // info@enpress.com

WHERE TO INSTALL



NOTES

- Select a proper location for installation. The unit must be installed before the main water line connects to the water heater, near where it connects to your home.
- Please allow 3 feet of open space above the system for replacement cartridges.
- Before installing, turn off the main source of water. Turn on a faucet inside of your home to relieve water pressure by draining it from lines.
- Installing Ground: To maintain an electrical ground in metal plumbing of a home's cold water piping (such as a copper plumbing system), install a ground clamp or jumper wiring.
- Plumbing the filtration system assembly: the inlet and outlet of the filtration housing are 1" threaded MNPT connections.
- No use of extra lubricants, unapproved sealants, and use of tools. Use of tools other than hand tighten only parts voids warranty.
- System to be supplied only with cold water.
- Run water through system for 10 minutes before use.

The system and installation must comply with state and local laws and regulations.

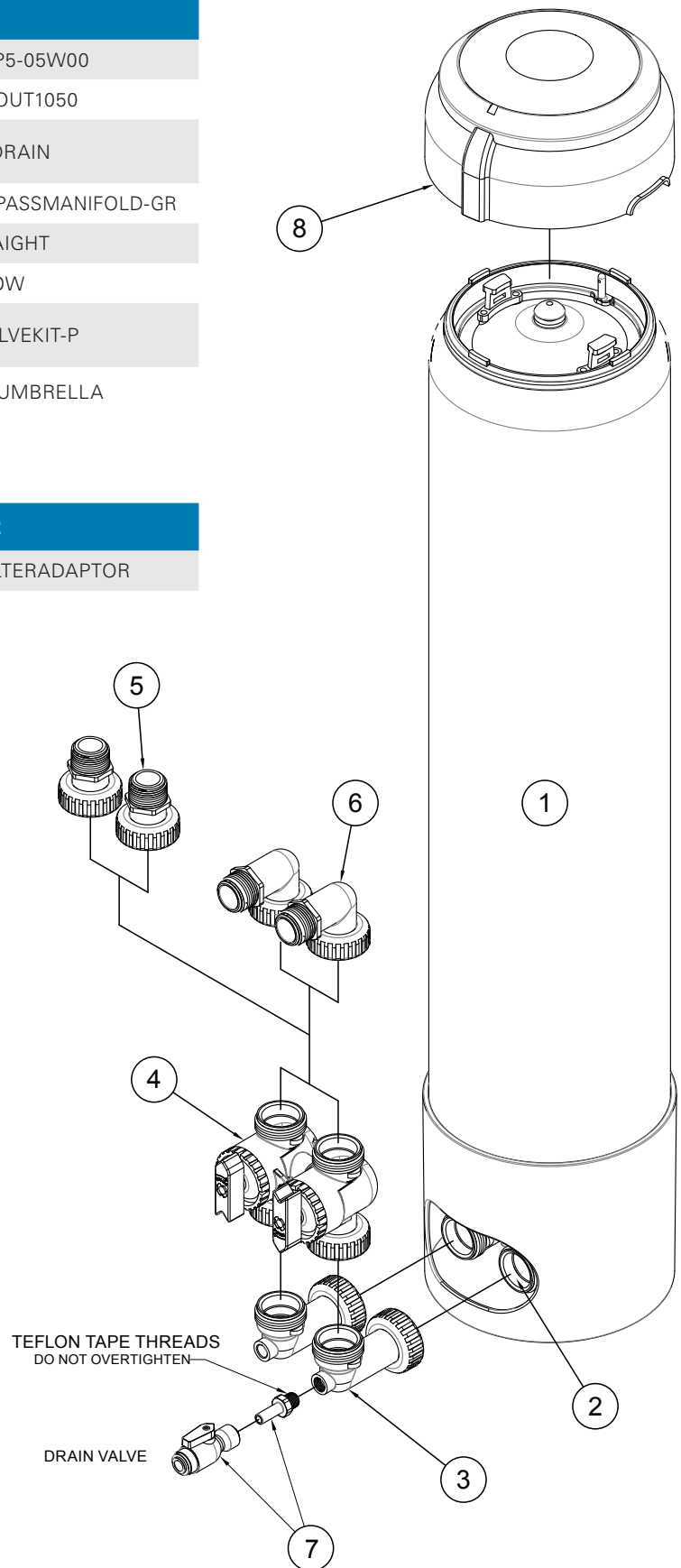
PARTS DIAGRAM

SHOWN IN DIAGRAM

PART IDENTIFICATION	PART NUMBER
1. ONE-E3 Filtration System / Housing	CTA0840BBBKP5-05W00
2. In/Out Head for 1.050" Riser Pipe	CT-IOHMBK-INOUT1050
3. 90 Degree Vertical Elbow With/without Machined Drain Port	CT-ELBOW-90DRAIN
4. Bypass Manifold	CT-IOHMBK-BYPASSMANIFOLD-GR
5. 1" MNPT Straight Connector	CT-1MNPTSTRAIGHT
6. 1" MNPT 90 Degree Elbow Connector	CT-1MNPTELBOW
7. 3/8" PEX Drain Valve Kit Assembly With Shut-off	CT-38DRAINVALVEKIT-P
8. PCB Umbrella Without Electronics	CT-CTNONPCBUMBRELLA

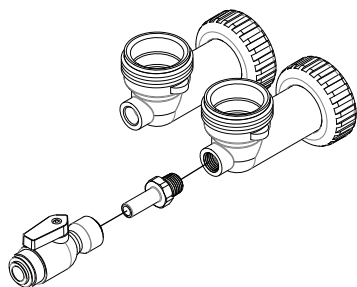
NOT SHOWN IN DIAGRAM

PART IDENTIFICATION	PART NUMBER
Head and Filter Adapter	CT-IOHMBK-FILTERADAPTOR



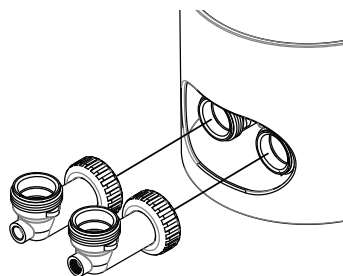
INSTALLATION INSTRUCTIONS

STEP 1: TANK ASSEMBLY (SEE DIAGRAM ON PREVIOUS PAGE)



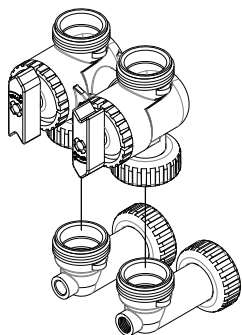
STEP 1D

Wrap #7 (Drain Valve Assembly) with three clockwise wraps of Teflon® tape. Install/thread #7 (Drain Valve Assembly) into #3. **HAND TIGHTEN ONLY.**



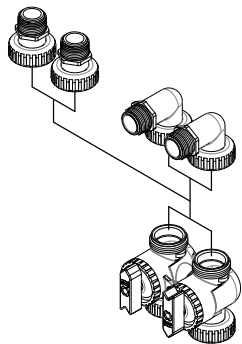
STEP 1A

Connect #3 to #2 on the bottom of Filter Housing #1. The threaded Drain Valve Assembly should be on the inlet side (right side) at the bottom of the tank. **HAND TIGHTEN ONLY.**



STEP 1B

Connect #4 to #3. **HAND TIGHTEN ONLY.**



STEP 1C

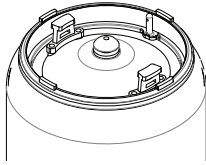
Use either part #5 or #6 for connecting your plumbing to the system. **HAND TIGHTEN ONLY.**

STEP 1D

Connect 3/8" PEX plumbing to Drain Valve Assembly #7 (**NOT PROVIDED**).

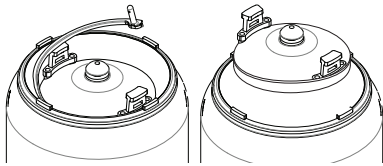
INSTALLING THE CARTRIDGE

STEP 2: REMOVING THE TOP CAP



STEP 2A

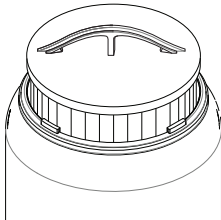
Unseat the snap ring by pushing down on the top cap with both hands. Remove the ring by taking the handle and pulling inward, then upward; the ring should slide completely out.



STEP 2B

Remove the snap ring on the top of the tank, then remove the top cap from the housing assembly. Lift up on the handles to pull the cap out of the top of the tank.

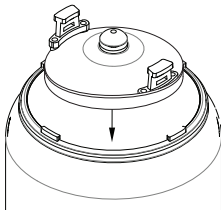
STEP 3: FILTER PREPARATION



STEP 3A

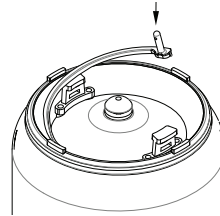
Remove the filter cartridge from the packaging, then place it into the tank with the O-ring down. Align the cartridge to the bottom center opening. *(Note: There's a small opening in the bottom center of the tank to help you align the cartridge.)* Press down on the filter cartridge so the O-ring moves down into place.

STEP 4: REATTACH THE TOP CAP



STEP 4A

Place the top cap back into its original location.



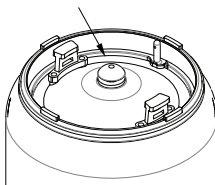
STEP 4B

Reattach the snap ring, then pull up on the cap to lock in the O-rings.

STEP 5: FINAL CHECK

STEP 5A

Allow enough time for glue to dry, if PVC glue fittings are used on initial system install, according to instructions provided by the manufacturer.



STEP 5B

Slowly turn the water back on. Press down on the red button located in the middle of the cap. This depressurizes the system and relieves it of air. Keep the button pressed down as the water comes back on. **DO NOT** stop pushing the button until all air pressure is released and water comes out of the depressurization button.

STEP 5C

Release the button, then check the system for leaks. Run water for 10 minutes through the system to make sure it's fully flushed out.

REPLACING THE CARTRIDGE

1. Turn off the water supply to the system by shutting off the inlet and outlet valves on the bypass.
2. *(Optional)* Install a 3/8" PEX tubing hose to the provided fitting and shut-off that connects to the inlet side of the filtration system. Run the hose to a floor drain or bucket, and use to drain sediment or to aid in filter removal during change-out.
3. Depressurize the system by pushing down on the red depressurization button on the top cap of the system. Keep the button pushed down until all the air or water pressure is completely released.
4. Push down the top cap with both hands to unseat the retaining ring.
5. Remove the retaining ring by carefully grasping the handle and pulling inward, then upward. The retaining ring should slide completely out of the groove.
6. Remove the top cap of the system by lifting up on the top handles and remove the old filter. *(NOTE that filter adapter (yellow/white in color) may come loose from bottom connection when removing filter, and should be reinstalled into the bottom connection for proper installation of filter.)*
7. Open the fitting and shut-off, and then flush out the bottom of the system.
8. Look down into the tank assembly and locate the small opening centered in the bottom of the tank.
9. Remove packaging from the new filter and place the new cartridge into the tank with the double O-ring facing down.
10. Position the cartridge so that it is aligned with the bottom center opening.
11. Press down on the cartridge so that the double O-ring seal moves into place within the bottom center opening.
12. Reposition the top cap into its original location.
13. Reattach the top tank snap ring, then pull up on the top cap to seat O-rings.
14. *(If Step 2 was completed, do this step; if not, skip to 15.)* Close the fitting and shut-off.
15. Turn the water supply on and open the inlet and outlet valves on the bypass.
16. Relieve the system of air in the tank as the system fills with water by pushing down on the red depressurization button on the top cap of the system. Keep the button pushed down until all the air pressure is completely released, and water comes out of the red depressurization button.
17. Release the red depressurization button.
18. Check for leaks.
19. Flush the new cartridge per its installation instructions.

FILTER REPLACEMENTS

EASY FILTER REPLACEMENTS WITH NO TOOLS REQUIRED

E3 uses state-of-the-art snap-ring technology to eliminate the need for cumbersome tools. Homeowners can easily replace the filter in their E3 system by following a few simple steps.

1. PRESS THE RED PRESSURE RELIEF VALVE TO UNSEAT THE RING



2. REMOVE SNAP RING



3. LIFT TOP CAP



To see a video demonstration, scan the QR code to the left or visit enpress.com/replacements.

CONTENTS OF BOX

90 Degree Elbow Connectors (2)



Bypass Manifold



Filter Housing



Umbrella Cap



Filter Cap



Vertical Elbows (2)



In/Out Head w/ Filter Adapter



Drain Valve Assembly



2.5" Inlet Cap



FILTER OPTIONS



E3 Integrated Bypass and 1" MNPT Connection System With Drain Filter Options

Available Filter Configurations		
BLUE SERIES	GREEN SERIES	ORANGE SERIES
CT-03-CB 3 micron carbon block with high capacity CT-20-CB 20 micron carbon block with high porosity/low pressure drop CT-03-CB-AMINE 3 micron carbon block; chloramine reduction	CT-20NANO-AG External 20 micron pleated pre-filter with NanoAl™ pleated inner filter w/ Agion® Biostat CT-20NANO-PAC-AG External 20 micron pleated pre-filter, with NanoAl™ PAC pleated inner filter w/ Agion® Biostat and carbon block core	CT-1005 External 10 micron pleated pre-filter with 5 micron pleated internal filter CT-2010 External 20 micron pleated pre-filter with 10 micron pleated internal filter CT-5020 External 50 micron pleated pre-filter with 20 micron pleated internal filter
Features		
<ul style="list-style-type: none"> • High-performance carbon • Unique binder system • Proprietary manufacturing process • Double Buna-N O-ring seals • Polypropylene outer wrap • Netting of polyethylene 	<ul style="list-style-type: none"> • Dual gradient double pleated filters with electropositively charged NanoAl™ media • Double Buna-N O-ring seals • Filter belly bands • PAC solution option • Agion® antimicrobial technology 	<ul style="list-style-type: none"> • Dual gradient double pleated filters • Double Buna-N O-ring seals • Filter belly bands • Durable polyester filter and polypropylene cap construction
Benefits		
<ul style="list-style-type: none"> • Exceptionally low pressure drop • High dirt holding capacity • Excellent contaminant reductions 	<ul style="list-style-type: none"> • Remove contaminants from 1 to 0.2 microns • Higher flow rate and loading capacity • Reduces unwanted bad taste and odor from potable drinking water • 24/7 resistance of microbe growth 	<ul style="list-style-type: none"> • Extended service life, contaminant removal, and dirt holding capacity • Ensures no bypass of contaminants and high chemical compatibility • Prevents collapsing of filters under high flow or contaminant load applications • Bacteria and chemical resistant filter
Applications		
<ul style="list-style-type: none"> • Ideal for residential, food service, commercial and industrial applications • Ideal as polishing or pre-filters in applications requiring fine filtration and high capacity • Reduction of chlorine, chloramine, taste and odor 	<ul style="list-style-type: none"> • Primary filtration in lieu of microporous membranes • Make-up water (particulate, microbial control) • Polishing filters (carbon fines, emulsified oil removal) • RO prefiltration (SDI reduction) • Process water (turbidity, particulate, colloidal suspensions) • Waste water (biologicals, proteins, dyes) • Cooling towers, chill water loops (iron removal) 	<ul style="list-style-type: none"> • Ideal for residential, food service, rental fleets, commercial and industrial applications • Make-up water, RO pre-filtration, cooling towers, chill water loops, metal finishing process water (turbidity, particulate, colloidal suspensions)



E3 Integrated Bypass and 1" MNPT Connection System With Drain Filter Options

Available Filter Configurations		
WHITE SERIES	YELLOW SERIES	SILVER SERIES
<p>CT-MEDIA05 Full 0.5 ft3 configuration; able to be filled with any media for up-flow or down-flow service due to use of Vortech® technology</p> <p>CT-MEDIA05-MID Full 0.5 ft3 configuration with Mid-Vortech® separation plate; able to be filled with any media for up-flow or down-flow service due to use of Vortech® technology</p>	<p>CT-2005-SWMB External 20 micron string wound pre-filter with 5 micron meltblown core</p> <p>CT-5020-SWMB External 50 micron string wound pre-filter with 20 micron meltblown core</p>	<p>CT-RES05-MB 5 micron meltblown PP depth</p> <p>CT-RES20-MB 20 micron meltblown PP depth</p>
Features		
<ul style="list-style-type: none"> • 0.5 cu ft empty media bottle • Polyethylene construction • Vortech® distributor plate • Locking or removable top cap • Rings on bottom of bottle • Double Buna-N O-ring seals • Mid-Vortech® distributor plate option 	<ul style="list-style-type: none"> • Outer pre-filter manufactured using 100% polypropylene yarn • Outer filter captures fine sediment, sand, silt, rust and scale particles • Melt blown inner filter manufactured using thermally bonded polypropylene fibers 	<ul style="list-style-type: none"> • Durable and chemical resistant • Polypropylene filter and cap construction • Double EPDM O-ring seals • Unique filter handle design
Benefits		
<ul style="list-style-type: none"> • Extended service life and high capacity contaminant removal • High chemical resistance • Up-flow or down-flow service and full utilization of the media bed • Ease of handling • Ensures no bypass of contaminants and high chemical compatibility • Separation of multi-media configurations 	<ul style="list-style-type: none"> • Microorganism resistant NSF component • Nominally rated as stated • High purity • Excellent chemical resistance • High dirt holding capacity • Graded density 	<ul style="list-style-type: none"> • Extended service life, contaminant removal and dirt holding capacity • Insures no bypass of contaminants and high chemical compatibility • Prevent collapsing of filters under high flow or contaminant load applications • Bacteria and chemical resistant
Applications		
<ul style="list-style-type: none"> • Ideal for residential, food/beverage service, rental fleets, service DI exchange, plating solutions, commercial and industrial applications • Metal finishing, oxidizing agents, corrosive fluids, electronics, pre-RO, process water, waste water, cooling towers, make-up water, polishing filters, primary filtration 	<ul style="list-style-type: none"> • Potable water, food/beverage, pre-RO, fine chemicals, electronics, metal finishing, plating solutions, oxidizing agents, corrosive fluids, gases, concentrated acids and alkali 	<ul style="list-style-type: none"> • Ideal for residential, food service, rental fleets, commercial and industrial applications • Make-up water, RO pre-filtration, cooling towers, chill water loops, metal finishing process water (turbidity, particulate, colloidal suspensions) • Community water, livestock or poultry water systems • Replacement of bag filters with more surface area and capacity

SPECIFICATIONS

Minimum Operating Temperature: 34 °F / 1 °C

Maximum Operating Temperature: 120 °F / 50 °C

Minimum Operating Pressure: 20 psig / 1.38 bar

Maximum Operating Pressure: 125 psig / 8.6 bar

Electrical Requirements: N/A

Filter Replacement Operating Instructions: New cartridges must be flushed for a minimum of 10 minutes prior to use. System and installation to comply with state and local laws and regulations. **Do not** use with water that is microbiologically unsafe or unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts. Manufactured from NSF/ANSI standard 61 and California Prop 65 Compliant certified coconut shell carbon and raw materials.

WARNINGS

If this or any other system is installed in a metal (conductive) plumbing system, i.e. copper or galvanized metal, the plastic components of the system will interrupt the continuity of the plumbing system. As a result any errant electricity from improperly grounded appliances downstream or potential galvanic activity in the plumbing system can no longer ground through contiguous metal plumbing. Some homes may have been built in accordance with building codes, which actually encouraged the grounding of electrical appliances through the plumbing system. Consequently, the installation of a bypass consisting of the same material as the existing plumbing, or a grounded "jumper wire" bridging the equipment and reestablishing the contiguous conductive nature of the plumbing system must be installed prior to your systems use.

DO NOT USE extra lubricants, unapproved sealants and tools to tighten hand tightened only parts. Use of tools other than hand tighten only parts voids warranty. Testing was performed under standard laboratory conditions; actual performance may vary. Flush the system and change the filter as suggested. The contaminants or other substances removed or reduced by this water filter are not necessarily in all users' water.

*Claims are not performance tested by IAPMO or NSF. Performance claims are based on independent laboratory and manufacturer's internal test data. Actual performance is dependent on influent water quality, flow rates, system design and application. Results may vary.

WARRANTY

ENPRESS LLC E3 System—Limited Warranty

- ENPRESS LLC warrants its line of ENPRESS E3 filtration systems to be free of defects in material and workmanship for a period of one year, and replacement PIONEER™ filters for a limited thirty-day warranty, from the date of purchase. This warranty is extended to original purchaser by authorized OEM customers. Use of this product constitutes buyer's acceptance of this Limited Liability.
- This warranty does not cover any equipment purchased for use in applications in which the product is not suited. It is the responsibility of the buyer to determine if a product is suitable for a particular application.
- Our obligations under this warranty are limited to the repair or replacement (at ENPRESS's sole discretion) of the failed parts of the water treatment unit manufactured by ENPRESS, and we assume no liability whatsoever for direct, indirect, incidental, consequential, special, general or other damages.
- We assume no liability for the determination of the proper equipment necessary to meet your requirements, and we do not authorize others to assume such obligations for us.
- We assume no liability and extend no warranties, expressed or implied, for the use of this product with a non-potable water source or a water source which does not meet the conditions for use described in the owner's guide or performance data sheet for the product.
- The warranty provided herein applies, only when used within the product specifications and service life, from the date of installation, beyond which ENPRESS LLC is absolved of any and all liability for any use of the product. There are no other warranties, either of merchantability or fitness, either expressed or implied. Some states do not allow exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state, or country to country. To know what your legal rights are, consult your local or state consumer affairs office, your state's Attorney General, or your national equivalent for international users.

THIS WARRANTY EXCLUDES THE FOLLOWING:

- Damage caused by improper installation, operation or care.
- Damage caused by chemical attack, environment, accident, fire, flood, freezing, act of God, misuse, misapplication, neglect, oxidizing agents (such as chlorine, ozone, chloramines and other related components), alteration, installation or operation contrary to the printed instructions, or by the use of accessories or components which do not meet ENPRESS's specifications, including the use of a replacement element not manufactured or supplied by ENPRESS LLC. Refer to the specifications section in the Installation and Operation manual for approved application parameters.
- Modification or alteration by other than ENPRESS LLC employees.
- Rubber type parts and normal wear items, e.g. O-rings, etc.
- Any costs of labor or expenses expended in the removal and/or installation of unit, or any surrounding device.
- Altering or removing the ENPRESS LLC information label.
- Use of non-ENPRESS LLC approved cartridges, filters, or replacement parts with the appropriate systems or vessels.
- Non-use of supported piping for plumbing connections to in/out connections.
- Service trips to installation site to train user on how to use product.
- Improper installation.
- Failure of product if it is abused, misused, or used for other than the intended purpose.
- Replacement of water filter cartridge due to water pressure that is outside the specified operating range or due to excessive sediment in water supply; or replacement with non-authorized replacement cartridge.
- Damage to product cause by accident, fire, floods or act of God.
- Incidental or consequential damage caused by possible defects with any other equipment not covered by this warranty.

SPECIAL NOTICES:

- Do not use water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after installing filter or system.
- Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.
- Any system this filter is installed in must be maintained according to manufacturer's instructions, including replacement of filter cartridges.
- Contaminants or other substances removed or reduced by this water filter cartridge are not necessarily in your water.
- Note that while testing was performed under standard laboratory conditions, actual performance may vary. Systems using these filters must be installed and operated in accordance with manufacturer's recommended procedures and guidelines.

LIMITED LIABILITY: ENPRESS LLC makes no warranties of any kind, expressed or implied, statutory or otherwise, and expressly disclaims all warranties of every kind, concerning the product, including, without limitation, warranties of merchantability and fitness for a particular purpose, except that this product should be capable of performing as described in this product's data sheet. ENPRESS LLC's obligation shall be limited solely to the refund of the purchase price or replacement of the product proven defective, in ENPRESS LLC's sole discretion. Determination of suitability of this product for uses and applications contemplated by Buyer shall be the sole responsibility of Buyer. Use of this product constitutes Buyer's acceptance of this Limited Liability.

Service under this warranty is to be provided by the distributor/installer who sold the unit to the user. If the distributor is unable to provide warranty service, contact:

ENPRESS, LLC. // 34899 Curtis Blvd., Eastlake Ohio 44095 // Phone: 866.859.9274 // Fax: 440.510.0202 // info@enpress.com

A Returned Goods Authorization (RGA) number must be received from the above office and placed on all shipments to and in correspondence with ENPRESS LLC.

Please be prepared with the following information:

#1

Model number and serial number.

#2

Date of installation.

#3

Name of installer.

#4

Nature of problem.

#5

Your address and contact information.

NOTES

FOR PURCHASES MADE IN IOWA

This form must be signed and dated by the buyer and seller prior to the consummation of this sale. This form should be retained on file by the seller for a minimum of two years.

Buyer's Name (printed)

Buyer's Signature

Date

Seller's Name (printed)

Seller's Signature

Date

MANUFACTURED BY



For more information, visit enpress.com
or onefiltration.com

CERTIFICATIONS



All information contained herein is the property of ENPRESS LLC. ENPRESS LLC makes no warranty of any kind with regard to this material, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. ENPRESS LLC shall not be liable for technical or editorial errors or omissions contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this material. The information is provided "as is" without warranty of any kind and is subject to change without notice. This document contains proprietary information which is protected by copyright. No part of this document may be photocopied, reproduced, or translated into another language without the prior written consent of ENPRESS LLC. © Copyright 2022 ENPRESS LLC. All rights reserved.