

Installation / Operation Manual

Upflow Water Filter

For Model Numbers :

U10

U15

U20

U25



Ashland, Ohio

General Specifications	Series			
	U10	U15	U20	U25
Filter Media Capacity (cu.ft.)	1.00	1.50	2.00	2.50
Mineral Tank (polyglass)	9x48	10x54	12x52	13x54
Service Flow Rate - Continuous (gpm)	4	5	6	8
Service Flow Rate - Intermittent (gpm)	6	7	8	10
Space Required (D x W x H inches)	9x9x52	10x10x58	12x12x56	13x13x58
Approximate Shipping Weight (pounds)	20	25	28	33

Filter Media Selection Guide

Media	Description	Handles
Neutralizer	Granular / White / Sacrificial to water with pH < 7.0 / Max pH correction to 7.2 / Lowest pH application 5.8 / Must be replenished about every 3 - 6 months	pH Correction
Corosex™	Semi-round / Off-White / Magnesium Oxide / Extremely reactive to pH dissolving rapidly adding alkalinity / 30% Corosex™ - 70% Neutralizer is best blend for correcting low pH / Will raise pH from lows around 5.0 to as high as 9.0+ / Must be replenished frequently / Consult factory with specific application questions	pH Correction
Neu-Cor™	70% Neutralizer / 30% Corosex™ mix / Sacrificial to water with any pH / Max pH correction determined by contact time used for correction of extremely low pH down to 5.0 / Must be replenished every 3 - 6 months	pH Correction
Granular Activated Carbon	Granular / Black / Wide application for removal of organics, some inorganics and Chlorine / Must be replaced on a regular basis / Life expectancy varies based on use	Taste / Odor / Color Chlorine / Iodine

Installation Instructions

1. **Unpacking** : Check product label located on outside of tank carton against cartons received. The large carton contains the filter tank. Filling material is packaged separately.
2. **Location** : For complete customer satisfaction, all water in the home should be filtered with the exception of the outside faucets. Select a location near the water service inlet. Be certain that all sides of the filter are easily accessible for service and maintenance. On a private water system, locate filter after the pressure tank but prior to the hot water tank.
3. **Mineral** : The filling material is shipped separately from the tank. The tank must be loaded with mineral after the tank has been placed at the desired location. Remove the manifold by unscrewing from center hole. Plug top of distributor tube to prevent mineral from entering tube while filling. Place funnel in hole. Pour several gallons of water in the tank. Pour in the filling material. **No gravel is required.** The required quantity of each type of filter material is shown under specifications. When filled, the tank should be approximately two-thirds full. Fill tank with water by using a garden hose or several buckets of fresh water. This will permit the filter material to become soaked while preparing the installation. Remove funnel and plug from distributor tube. Replace the manifold, being careful to position the distributor tube into the distributor tube pilot.

Note : If rebedding an existing unit and the system utilizes a standard tube and basket style distributor, a "D" gravel underbedding will be required.
4. **Water Supply Connections** : Inlet and outlet connections are 1" pipe size. Turn off the main water supply and connect pipes, valves and fittings.

NOTE : *If using neutralizer or Neu-Cor media for pH correction, filter material will need to be added to the media tank approximately every six (6) months to one (1) year. If using carbon material, media will need to be **replaced** every one - two years, depending on the application.*



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"LIMITED" WARRANTY

Water Treatment Equipment

During the time periods and subject to the conditions hereinafter set forth, CSI Water Treatment, will repair or replace to the original user or consumer, any portion of your new CSI Water Treatment product which proves defective due to defective materials or workmanship of CSI Water Treatment. Contact your nearest authorized CSI Water Treatment dealer for warranty service. At all times CSI Water Treatment shall have and possess the sole right and option to determine whether to repair or replace defective equipment, parts, or components. Damage due to conditions beyond the control of CSI Water Treatment is **NOT COVERED BY THIS WARRANTY**. (Contact parcel or freight company for claims on freight damage in transit.)

WARRANTY PERIODS :

ITEM	*10 YRS	*5 YRS	*3 YRS	*1 YRS
Residential Mineral Tanks	●			
Commercial Mineral Tanks		●		
Softener/Filter Control		●		
Brine Tank Assemblies			●	

ITEM	*5 YRS	*3 YRS	*1 YRS
Reverse Osmosis System	●		
Other Accessories & Parts			●

* From Date of Installation

LABOR, ETC., COSTS : CSI Water Treatment shall **IN NO EVENT** be responsible or liable for the cost of field labor or other charges incurred by any customer removing and/or reaffixing any CSI Water Treatment product, part or component thereof.

THIS WARRANTY WILL NOT APPLY : (a) To defects or malfunctions resulting from failure to properly install, operate or maintain the unit in accordance with printed instructions provided; (b) to failures resulting from abuse, accident or negligence; (c) to normal maintenance services and parts used in connection with such service; (d) to units which are not installed in accordance with applicable local codes, ordinances and good trade practices; (e) if the unit is moved from its original installation location; (f) unit is used for purposes other than for what it was designed and manufactured, and (g) filter media and exchange resins.

RETURN OF REPLACED COMPONENTS : Any item to be replaced under this Warranty must be returned to CSI Water Treatment in Ashland, Ohio, or such other place as CSI Water Treatment may designate, freight prepaid.

PRODUCT IMPROVEMENTS : CSI Water Treatment reserves the right to change or improve its products or any portions thereof without being obliged to provide such change or improvement of units sold and/or shipped prior to such change or improvement.

WARRANTY EXCLUSIONS : As to any specific CSI Water Treatment product, after the expiration of the time period of the warranty applicable thereto as set forth under the heading "Warranty Periods" above, **THERE WILL BE NO WARRANTIES, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.**

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. No warranties or representations at any time made by any representative of CSI Water Treatment shall vary or expand the provisions hereof.

LIABILITY LIMITATION : **IN NO EVENT SHALL CSI WATER TREATMENT BE LIABLE OR RESPONSIBLE FOR CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES RESULTING FROM OR RELATED IN ANY MANNER TO ANY CSI WATER TREATMENT PRODUCT OR PARTS THEREOF.**

Some states do not allow the exclusion of limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

The Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

For your warranty protection (Magnason-Moss Warranty Act) the warranty card must be completed and returned to CSI Water Treatment within ten (10) days of installation. In the absence of other suitable proof of installation date, the effective date of this warranty will be based upon the date of manufacture plus thirty (30) days.

Direct all notices, etc. To : Service Department, CSI Water Treatment, 710 Orange Street, Ashland, Ohio 44805

Date : December, 2007