



LANCASTER

WATER TREATMENT

WATER FILTER AND NEUTRALIZER

INSTALLATION, OPERATING AND SERVICE MANUAL

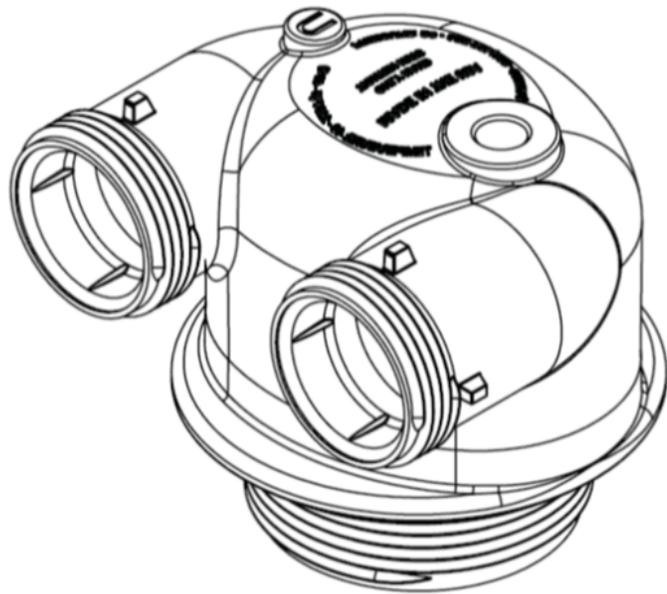
WITH D1400 1" IN-OUT HEAD

COLOR, TASTE, ODOR

- 7-UFDCT-1B
- 7-UFDCT-2B
- 7-UFDCT-3B

ACID NEUTRALIZERS

- 7-UFDAN-1B
- 7-UFDAN-1.5B
- 7-UFDAN-2B
- 7-UFDAN-3B



Congratulations on purchasing your new **Lancaster Acid Neutralizer**. This unit is designed to give you many years of trouble free service. When installed in accordance with the following instructions and if given reasonable care, corrected pH level in your water will be the result. For servicing and future inspection purposes, please file this booklet with your important documents. In the event that you need assistance for servicing your water filter, please first contact the professional contractor who installed the system.

PACKAGING: All neutralizers are shipped from the factory in cartons.

COMPONENTS: Fiberglass mineral tank, in/out head, installation fitting package, wrench, distributor tube assembly & calcite.

MODEL	MINERAL TANK (dia." & ht.)	MINERAL PART ID, (BAG Qty.)
7-UFDAN-1B	10x47	A8021 (2)
7-UFDAN-1.5B	10x54	A8021 (3)
7-UFDAN-2B	13x54	A8021 (4)
7-UFDAN-3B	16x65	A8021 (6)
7-UFDCT-1B	10x47	A8009 (1)
7-UFDCT-2B	13x54	A8009 (2)
7-UFDCT-3B	16x65	A8009 (3)

INSTALLATION:

Place unit in desired location close to water supply inlet keeping far enough away from walls and other obstructions to allow enough room for servicing the unit. If a water softener is also to be installed, generally the water softener will be placed in line after the carbon filter/ neutralizer. Installing the acid neutralizer as an upflow filter is recommended.

BYPASS VALVE:

The bypass valve connects to the in/out head using nuts that only require hand tightening. Install with red knobs in the upward position. Press end of bypass valve with o-rings into the in/out head. **HAND TIGHTEN NUTS.**

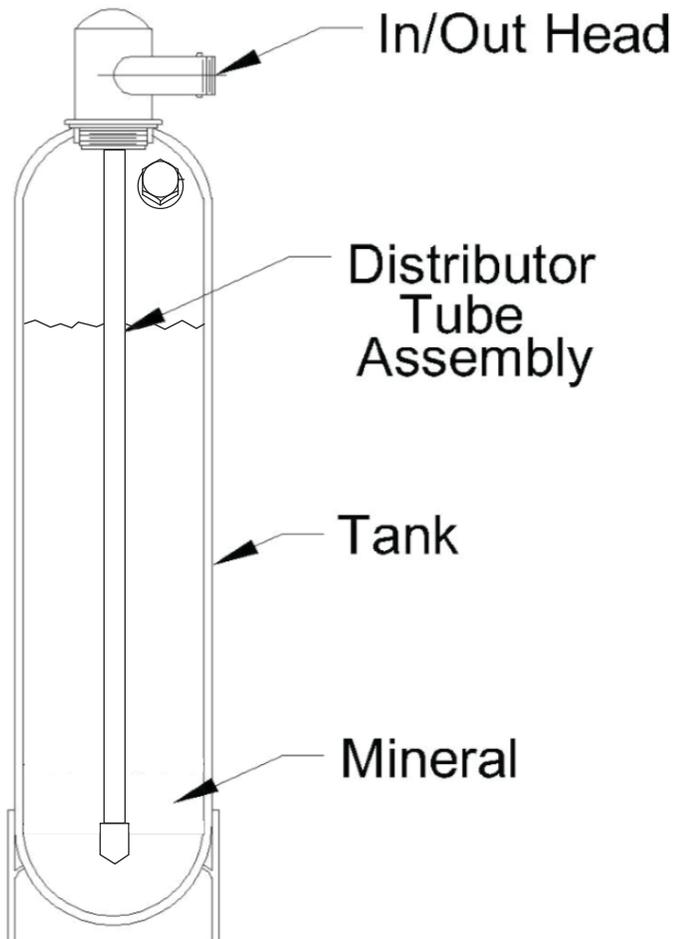
Avoid getting primer and solvent cement on any part of the o-rings, bypass valve or in/out head. DO NOT use pipe dope or any other sealant on threads. Teflon tape is not necessary on the caps because of o-ring seal. **DO NOT** use Vaseline or other unacceptable lubricants on o-rings. A silicone lubricant may be used on black o-rings.

FITTING ADAPTER:

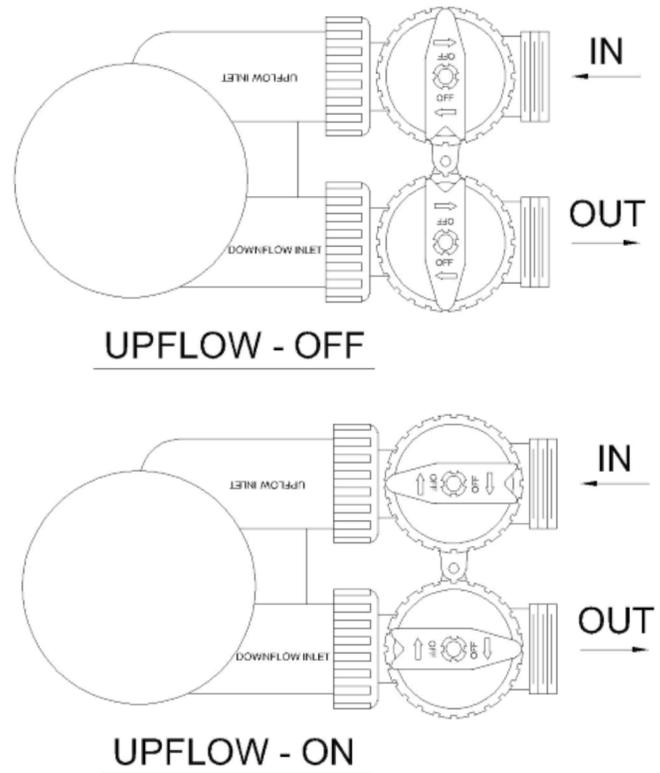
V3007 1" PVC Male NPT elbow assembly comes standard with each unit. Other options available (see page 4).

When assembling the installation fitting package (inlet and outlet), connect the fitting to the plumbing system first and then attach the nut, split ring and o-ring. Heat from soldering or solvent cements may damage the nut, split ring and o-ring. Solder joints should be cool and solvent cements should be set before installing the nut, split ring and o-ring. **Avoid** getting primer and solvent cement on any part of the o-rings, split rings, bypass valve or in/out head.

ADD MINERAL: Allow lighter weight mineral such as Carbon to soak in water prior to start-up; recommend minimum 12 hours up to 24 hours for best results. Remove the in/out head by turning counter-clockwise. Plug the distributor tube to prevent mineral from entering and add the mineral. Water can be manually added at this time to begin the mineral soaking process, particularly for lighter weight minerals such as Carbon. Remove plug from the distributor tube and replace the in/out head.



POSITION HANDLES ON OPTIONAL BYPASS: Orient the red handles on the bypass to point as shown below by lifting red arrow handles straight off of bypass valve and replacing in the proper position.



Turn bypass to the OFF position and connect to water pipes.

PLACING THE SYSTEM INTO SERVICE:

SLOWLY turn on water supply to the system. If using the optional bypass valve, slowly turn the bypass to the UPFLOW-ON position. Open nearest cold water faucet and allow water to run until clear. Turn off faucet.

CAUTION:

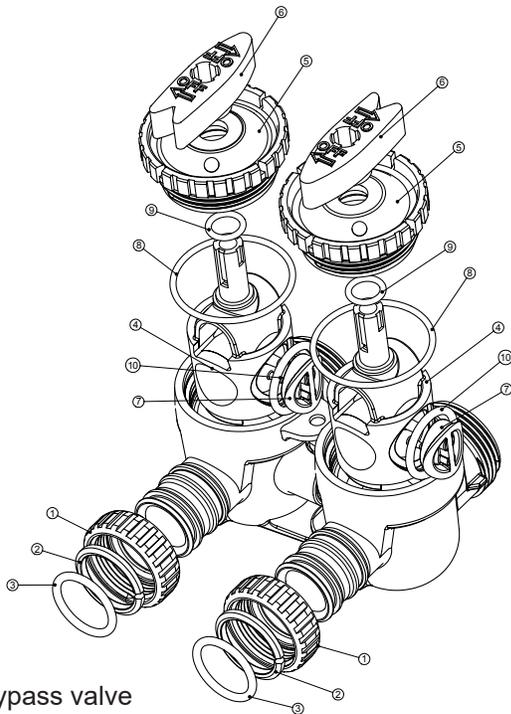
If mineral is dry, filling too quickly with water will result in the mineral plugging the valve assembly. Some minerals such as Carbon should be soaked in water for a 24-hour period before introducing full water flow.

REPLACING CALCITE:

Calcite dissolves in water and will eventually need to be replenished. To add calcite to the neutralizer, turn off main water supply and open a tap to relieve water pressure. Turn bypass valve to the OFF position. Remove Dome Plug. Depth of mineral can be measured by inserting a 1/4" diameter (max.) dowel into the top of the head. Replacement is recommended before tank is half-empty.

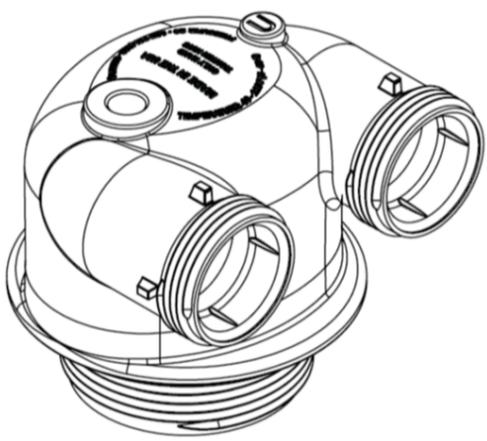
Water can be siphoned from the tank by removing the dome plug. Insert a 5/8" diameter (max.) hose into the dome hole. Siphon water. Remove hose. Replace.

Pour calcite into dome hole. Replace dome plug. Hand tighten only. **SLOWLY** turn on water supply. Slowly turn bypass to the ON position to re-introduce water into the neutralizer. **OPEN THE NEAREST COLD WATER TAP AND ALLOW WATER TO RUN UNTIL CLEAR.**



BP2000 Bypass valve

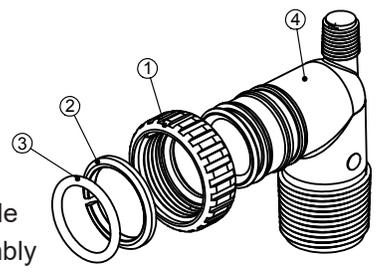
Item No.	Qty.	Part No.	Description
1	2	V3151	Nut 1" Quick Connect
2	2	V3150	Split Ring
3	2	V3105	O-Ring 215
4	2	V3145	Bypass 1" Rotor
5	2	V3146	Bypass Cap
6	2	V3147	Bypass Handle
7	2	V3148	Bypass Rotor Seal Retainer
8	2	V3152	O-Ring 135
9	2	V3155	O-Ring 112
10	2	V3156	O-Ring 214



D1400
1" In/Out Head Assembly

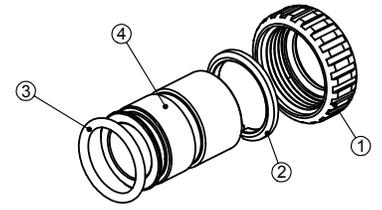
Item No.	Qty.	Part No.	Description
1	1	D1400	Body Assembly
2	1	V3105	Distributor Tube O-Ring
3	1	V3180	Body O-Ring
4	1	D1203	Upper Basket (not shown)

INSTALLATION FITTING PACKAGE



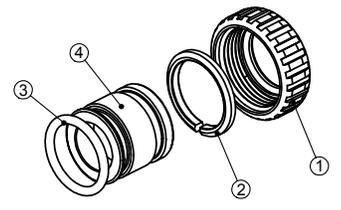
V3007 1" PVC Male
NPT Elbow Assembly

Item No.	Qty.	Part No.	Description
1	2	V3151	Nut 1" Quick Connect
2	2	V3150	Split Ring
3	2	V3105	O-Ring 215
4	2	V3149	PVC Mans NPT Elbow



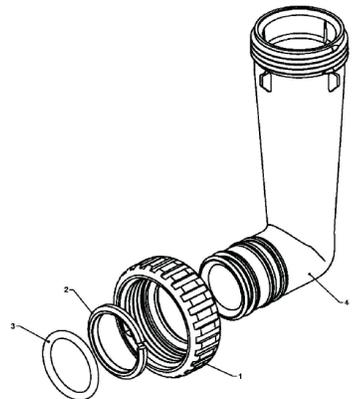
OPTIONAL:
V3007-02 1" Brass
Sweat Assembly

Item No.	Qty.	Part No.	Description
1	2	V3151	Nut 1" Quick Connect
2	2	V3150	Split Ring
3	2	V3105	O-Ring 215
4	2	V3188	Fitting-1" Brass Sweat



OPTIONAL:
V3007-02 3/4" Brass
Sweat Assembly

Item No.	Qty.	Part No.	Description
1	2	V3151	Nut 1" Quick Connect
2	2	V3150	Split Ring
3	2	V3105	O-Ring 215
4	2	V3188-01	Fitting-3/4" Brass Sweat



OPTIONAL:
V3191-01 Vertical
Adapter Assembly

Item No.	Qty.	Part No.	Description
1	2	V3151	Nut 1" Quick Connect
2	2	V3150	Split Ring
3	2	V3105	O-Ring 215
4	2	V3191	Vertical Adapter