

# Point of Entry (POE) Whole House Water Filter Instructions

## INSTALLATION CONSIDERATIONS

- This system must be installed by a licensed plumber.
- IL7A and the IL9A, requires an electrical outlet installation by a license electrician.
- Installation of the filter must comply with existing plumbing codes of your local municipality.
- This water filter should be installed at the water's Point of Entry location at the residence.
- Install system on top a solid, leveled support base
- Installing with bypass recommended.
- Municipally treated water only.
- Install on cold water lines only (40°– 85°F). Protect unit from freezing.
- Do not install this unit where the line pressure may exceed 100 psi, or is lower than 20 psi.
- Do not install the unit on its side or in direct sunlight. Outdoor installation requires the use of a sun cover to prevent UV deterioration of the components.
- Add a ground jumper cable if needed. Check to see whether your electrical panel has its ground wire attached to the pipe or to a rod driven into the ground. If the ground wire is attached to the pipe, you will need to add a jumper cable to restore an important safety feature that prevents the filter from interrupting the ground path. Install grounding clamps on either side of the filter and run a thick wire from clamp to clamp and secure tightly.

See diagram 1

## COMPONENT LIST BY UNIT

Part Item	IL6	IL635	IL7	*IL7A	IL9	*IL9A
Fleck 5600 automatic backwash head				1		1
Plug 2.5"	1	1	1	1	1	1
Tank	1	1	1	1	1	1
Tank jacket			1	1	1	1
Head with basket	1	1	1	1	1	1
Pad divider	1	1	1	1	1	1
KDF #55 (bottle)	1	2	3	3	4	4
Carbon GAC	1	1	1	1	1	1
Cartridge housing 10"	2	2	2	2	2	2
Housing wrench	1	1	1	1	1	1
Sediment cartridge, spun 10" 1 micron (POST)	1	1	1	1	1	1
Sediment cartridge, spun 10" 5 micron (PRE)	1	1	1	1	1	1
1" elbows				2		2
5" nipple			2	2	2	2
1" nipple			1	1	1	1
3" nipple	3	3		1		
Valve 3.5" FPT			1	1	1	1
Tubing drain line				1		1

\*The IL9A and IL7A systems are packaged in two separate boxes.

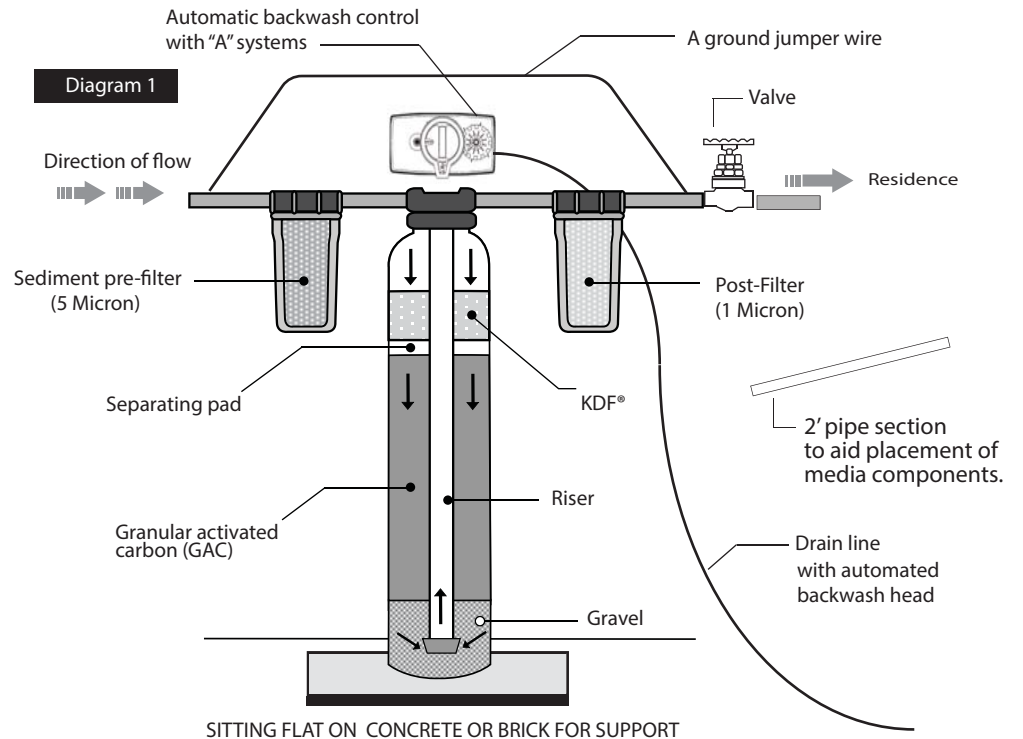
**NOTE:** The replacement tank will not include an installation kit. See installation step 2 when replacing the filter tank. Some specially-ordered units may include a pre or post filter.

## APPLIES TO



## General Plumbing Specifications

Model	Pipe Size	Height	Bypass 7(A) 9(A)	Diameter	Weight	Normal Flow	Estimated Life	Needs Electrical Outlet	Pressure Release Housing
IL6	3/4"	21"		6.6"	28 LBS	3 GPM	150,000 gal.	N/A	Yes
IL635	3/4"	38"		6.6"	40 LBS	3 GPM	300,000 gal.	N/A	Yes
IL7 (A)	1"	46"	1"	7.5"	50 LBS	5 GPM	500,000 gal.	Yes	Yes
IL9 (A)	1"	50"	1"	9.5"	70 LBS	7 GPM	750,000 gal.	Yes	Yes



SITTING FLAT ON CONCRETE OR BRICK FOR SUPPORT

## INSTALLATION

NOTE: Use Teflon tape on all male pipe threading

To prevent leaks or ease screwing components, lubricate threads and O-rings with food-grade, silicone lubricant.

1. Choose a location. - Find the best location to mount the system to the wall near the POE water source. A site that is next to an existing shut off valve is ideal. A location that is conveniently accessible and that is high enough so you can access the unit to change out filters and is protected from direct sun light.
2. Assemble the main filter tank:
  - Stand the tank upright and unscrew the white cap.
  - Shake the tank to level carbon bed.
  - Place the divider felt pad over the riser tube (fuzzy side of felt pad should face up). Push into place around center and edges. (Use the two-foot pipe that is supplied with your unit.)
  - Pour KDF media into the tank and level the bed.
  - Remove the orange cap on the riser tube.
  - Screw the head onto the tank until the o-ring touches the rim of the tank.
  - Tighten the head with an additional 1/8 to 1/4 turn.

3. Shut off the water supply to the house.
4. Cut into the water supply line near a shutoff valve or entry to the house. Cut away enough pipe to accommodate the filter, the new shutoff valve(s) and any connecting pipes and fittings you will be adding.
5. Install the shutoff valve on the inlet side of the supply line. If you are sweating the valve, remove the insides of the valve before applying heat.
6. Assemble the parts and mark for cutting. Dry-fit as many fittings as possible. You may need an adapter on either side of the filter in order to join your size and type of pipe. See diagram 1
7. Complete connection and turn the water back on and check for leaks.
8. Push the pressure release button on the filter cartridges or open nearest cold-water faucet to remove air from the system.
9. Add a jumper cable if needed. Check to see whether your electrical panel has its ground wire attached to the pipe or to a rod driven into the ground. If the ground wire is attached to the pipe, you will need to add a jumper cable to restore an important safety feature that prevents the filter from interrupting the ground path. Install grounding clamps on either side of the filter and run a thick wire from clamp to clamp and secure tightly.

**NOTE: Do not overtighten and do not to unscrew head once it's in place. Diagram 1 installation schematic is just a suggested layout only.**

## TROUBLESHOOTING

Problem	Cause	Solution
Filter housing has no water in it.	Water is not turned on.	Turn water on.
Filter housing has no water in it	Valve turned to "BY-PASS"	Make sure valve is turned to the "FILTER" position
Leaking at the housing	O-Ring kinked or not seated	Check / replace / re-seat O-ring
Leaking at the valve fitting	Improper installation or damaged fittings. Not enough sealant on Teflon tape	Replace or repair fittings
Leaking at top of valve head	Thirty threads and O-ring	Clean head threads and o-ring
Low water flow / pressure	Filter cartridge clogged	Identify which stage of the cartridge is clogged and replace it
Water inside the tank is gray	The carbon inside the tank can still have air pockets inside that when released, turn the water a little gray with carbon dust	This is normal with all carbon filters and this will slowly fade away. The carbon dust is harmless

