









Recreational Water Systems, LLC • Duluth, MN • 218-590-4165 • softcellwater@gmail.com
www.SoftCellWater.com

Attached Pre-Filter Assembly Instructions

For SoftCell Standard w/Prefilter and SoftCellTote w/Prefilter

For best results and years of trouble free service we recommend the use of a **PRE-FILTER**










	<p>1</p> <p>Remove clear bottom from Pre-Filter housing cap. Remove any paper on filter cartridge</p>		<p>4</p> <p>Replace clear housing bottom, hand tighten</p>
	<p>2</p> <p>Screw black housing cap unto brass pipe connector <u>"Caution" be careful not to cross thread cap</u></p>		<p>5</p> <p>Connect supplied 48" hose to Pre-Filter housing</p>
	<p>3</p> <p>Hand tighten black cap</p>		<p>6</p> <p>Connect 48" hose to a water supply and attach your hose to the discharge side of the SoftCell, check for leaks and tighten any fittings as needed</p>

Before first use run water through softener. The water may run tea colored because of the indentifier dye on the softening resin. Run water until water runs clear.

Your SoftCell softener is now ready for regular use. The hardness of your water will determine how often regeneration will be required. The softener should be regenerated when you do not feel the slippery feeling of soft water or you start to see water spotting. (See Reverse Side)

If you have any questions do not hesitate to call at 218-590-4165

SoftCell Pre-Filter Re-Generation Instructions

1		Remove sediment cartridge from the Pre-Filter Housing
6		The salt will dissolve slowly as the water runs through the Pre-Filter regenerating the softener
2		Fill bottom of Pre-Filter housing with "MORTON" water softener salt pellets
7		When the salt has dissolved and there is no salt taste in the water being discharged, pivot the Pre-Filter back down
3		Re-attach Pre-Filter bottom
8		Remove bottom, rinse out any residue, and replace with new sediment cartridge if the old one is dirty
4		Tighten and start to run water at the slow rate of 1/2 gallon per minute (a pencil size stream)
9		Attach your hose to the discharge side of the SoftCell, check for leaks and tighten any fittings as needed
5		Pivot Pre-Filter housing upside down (This shortens the regeneration time)
Long Term Storage and Winterization <ul style="list-style-type: none">• Remove all hoses• Remove cartridge from Pre-Filter housing• Invert softener and empty out all water Re-Commissioning <ul style="list-style-type: none">• Connect and run water for a few minutes until water runs clear		

Note:

The Pre-Filter housing uses a standard 10", 10, 15, 20 or 25 micron sediment cartridge available. We recommend using "Morton" water softener salt pellets as it dissolves faster and leaves little residue.

UNDERSTANDING & REGENERATING YOUR *SoftCell*

The SoftCell softener has basically two parts, the Pre-Filter housing and the larger Resin tank. The resin tank contains small resin beads that attract Calcium, Magnesium and other hard water minerals as water passes over them. The "Standard *SoftCell*" tank contains enough resin to attract approximately 15,000 grains of these minerals. The hardness of water is rated by grains per gallon (gpg). If, for example, your water was rated at 10 gpg, you would be able to use 1,500 gallons of water (15,000 divided by 10) before you would have to regenerate the resin in the resin tank. Regenerating is another term for washing the deposits off the resin beads to allow them to attract more minerals. Salt water (brine) is used to wash off the minerals.

To regenerate the resin in the Softcell, we use the Pre-Filter housing as a brine-generating tank. To regenerate the SoftCell do the following:

- Remove the filter cartridge from the Pre-Filter housing.
- Fill the clear housing with home water softener salt pellets, such as Morton softener salt pellets, and install back on the Pre-Filter cap.
- Pivot the Pre-Filter housing upside down. (Reason: with the filter cartridge removed, the water would pass over the top of the salt pellets and not allow the salt to dissolve as quickly)
- Turn on the water at a slow rate (approximately 1/2 gallon per minute or 1 cup every 10 seconds) and run until the salt pellets have completely dissolved and the water does not taste of salt.
Comment: It should take approximately 25 minutes to dissolve salt pellets.
If it takes much longer time you're running the water to slow.
If it takes much less time you're running the water to fast.
- The resin is now regenerated and ready to soften more water.
- Pivot the Pre-Filter back down, remove the clear housing, insert a new **10, 15, 20 or 25-Micron filter cartridge** if needed and re-attach (run water full force for a few minutes to final rinse resin before using water).

The misconception of water softening is that salt is used to soften the water; salt is only used to re-generate the resin that attracts the hardness minerals.

I hope this answers your questions, please call at 218-590-4165 if you need any further help.

Jim Metry
Recreational Water Systems
softcellwater@gmail.com