INTRODUCTION

The DirectFlo and the DirectFLO DuoSoft Water Softeners are designed to produce high quality softened water. The innovative design eliminates cumbersome hoses that must be connected to a faucet. As water passes through the DirectFLO chamber, the resin column causes scale-forming calcium and magnesium ions to be exchanged for non-scale-forming sodium ions. When the resin is exhausted it must be replaced or regenerated. Inexpensive resin refill packages are available, or the original resin can be regenerated by chemical treatment.

In the DirectFLO DuoSoft, water passes through both chambers and will be treated by both types of media. The two chambers of the DirectFLO DuoSoft may be easily filled with the media of choice for specific problem water.

NOTE: These softeners DO NOT yield water suitable for drinking.

READ INSTRUCTIONS BEFORE USE.
PROCEDURE A — Use of the Softeners

1. Turn the large black plug on the top of the softener counterclockwise until it becomes loosened.

2. Lift the plug up about 1”. Turn the plug counterclockwise for 1 full turn to lock it into the upright position. Do not remove the plug.

3. Turn on the sink faucet. Adjust the water flow until the stream is about ¼” in diameter.

4. Close the softener valve.

5. Place the softener in the sink so that the stream of water hits the top of the softener on the side opposite the valve and flows into the top well. NOTE: Some water will run down the outside of the softener.

6. Allow the softener to fill with water. When the softener is full, open the valve.

7. Allow the water to flow for 3 minutes to rinse the media.

8. Place a beaker under the valve and collect a water sample for testing. NOTE: Before first use, fill bottom section of DuoSoft with water to prevent vapor lock.
PROCEDURE B — Replacing the Media in the DirectFlo Softener and the Top Chamber of the DuoSoft Softener.

DUOSOFT: Follow steps 1-6 to fill the top chamber, then follow PROCEDURE C to fill the bottom chamber. Carbon based products are generally used in the top section.

1. Turn the large black plug on the top of the softener counterclockwise until it becomes loosened.

2. Lift the plug up about 1”. Continue turning the plug counterclockwise until it can be removed.

3. Fill the softener to 1” from the top with selected media. NOTE: To facilitate the filling process, a funnel can be used or water can be added to the media.

4. Replace the plug in the top of the softener. Turn the plug clockwise one complete turn to lock it into the upright position.

5. Turn on the sink faucet. Adjust the water flow until the stream is about ¼” in diameter.

6. Close the softener valve.

7. Place the softener in the sink so that the stream of water hits the top of the softener on the side opposite the valve and flows into the top well. NOTE: Some water will run down the outside of the softener.

8. Allow the softener to fill with water. When the softener is full, open the valve to rinse the media.
PROCEDURE C — Replacing the Media in the Bottom Chamber of the DirectFlo DuoSoft

Follow steps 1-6 of PROCEDURE B to replace the media in the top chamber of the DirectFlo DuoSoft Softener. Follow the procedure below to replace the media in the bottom chamber. Ion exchange resin is generally used in the bottom section.

1. Use a 12-point 9/16” nut driver to remove the small black plug on the bottom of the sampler.

2. Fill the softener to 1” from the top with selected media. NOTE: To facilitate the filling process, a funnel can be used or water can be added to the media.

3. If dry media was added, fill the chamber with water and replace the small black plug. NOTE: Do not overtighten plug.

4. Turn the softener upright. Turn the large black plug on the top of the softener counterclockwise until it becomes loosened. Lift the plug up about 1”.

5. Lift the plug up about 1”. Continue turning the plug counterclockwise until it can be removed.

6. Fill the softener to 1” from the top with selected media. NOTE: To facilitate the filling process, a funnel can be used or water can be added to the media.
PROCEDURE C — continued

1. Replace the plug in the top of the softener. Turn the plug clockwise one complete turn to lock it into the upright position.

2. Turn on the sink faucet. Adjust the water flow until the stream is about ¼” in diameter.

3. Close the softener valve.

4. Place the softener in the sink so that the stream of water hits the top of the softener on the side opposite the valve and flows into the top well. NOTE: Some water will run down the outside of the softener.

5. Allow the softener to fill with water. When the softener is full, open the valve to rinse the media.
PROCEDURE D — Regeneration of Media in the DirectFlo Softener and the Top Chamber of the DirectFlo DuoSoft Softener

Follow manufacturers’ instructions for regeneration of media. Cation exchange resin may be regenerated in the following manner. NOTE: Due to build up of air pressure in the DirectFlo DuoSoft, it is not possible to regenerate both chambers at the same time. Follow steps 1-8 to regenerate top chamber, then follow PROCEDURE E to regenerate bottom chamber.

1. Prepare salt solution by dissolving about ½ pound of salt (sodium chloride) in 1 quart of water.

2. Turn the large black plug on the top of the softener counterclockwise until it becomes loosened. Lift the plug up about 1”.

3. Lift the plug up about 1”. Continue turning the plug counterclockwise until it can be removed.

4. Add salt solution until top chamber is completely full.

5. Allow to stand for about 30 minutes.

6. Replace the plug in the top of the softener. Turn the plug clockwise one complete turn to lock it into the upright position.

7. Follow steps 1-8 to regenerate top chamber, then follow PROCEDURE E to regenerate bottom chamber.
Place the softener in the sink so that the stream of water hits the top of the softener on the side opposite the valve and flows into the top well. NOTE: Some water will run down the outside of the softener.

Allow the softener to fill with water. When the softener is full, open the valve to rinse the media.

The top section is now regenerated. Close top plug by turning counterclockwise until snug.
Follow manufacturers’ instructions for regeneration of media. Cation exchange resin may be regenerated in the following manner. Follow steps 1-8 of PROCEDURE D to regenerate the media in the top chamber of the DirectFlo DuoSoft Softener. Follow the procedure below to regenerate the media in the bottom chamber.

1. Turn large black plug on top of the softener clockwise to tighten. Invert softener. NOTE: Softener can be placed on top of a cup to hold upright.

2. Use a 12-point 9/16” nut driver to remove the small black plug on the bottom of the sampler.

3. Prepare salt solution by dissolving about ½ pound of salt (sodium chloride) in 1 quart of water.

4. Add salt solution until softener is completely full.

5. Prop up the softener. NOTE: Beaker works well to prop the softener. Allow to stand for about 30 minutes.

6. Turn the softener upright. Turn the large black plug on the top of the softener counterclockwise until it becomes loosened. Lift the plug up about 1”.

NOTE: Softener can be placed on top of a cup to hold upright.

NOTE: Beaker works well to prop the softener.

允许静置大约30分钟。
7. Turn on the sink faucet. Adjust the water flow until the stream is about ¼” in diameter.

8. Turn the plug clockwise one complete turn to lock it into the upright position.

9. Close the softener valve.

10. Place the softener in the sink so that the stream of water hits the top of the softener on the side opposite the valve and flows into the top well. NOTE: Some water will run down the outside of the softener.

11. Allow the softener to fill with water. When the softener is full, open the valve to rinse the media with about 2 gallons of tap water.

12. Regeneration of media is now complete. Close valve and cap. NOTE: Before first use, fill bottom section of DuoSoft with water to prevent vapor lock.