



## MANITOBA RENAL PROGRAM

<b>SUBJECT</b> <ul style="list-style-type: none"> <li>NxStage - Installation of a New Purification Pack (PAK®)</li> </ul>	<b>SECTION</b> 50.20 Home Hemodialysis
	<b>CODE</b> 50.20.02
<b>AUTHORIZATION</b> <ul style="list-style-type: none"> <li>Professional Advisory Committee, Manitoba Renal Program</li> </ul>	<b>EFFECTIVE DATE</b> January 2018
	<b>REVISION DATE</b>

### PURPOSE:

- To ensure the proper installation of the purification pack (PAK®).

### POLICY:

- Registered Nurses in the Home Hemodialysis program who have received instruction and have demonstrated competency to the renal educator or delegate may instruct patients in the Home Hemodialysis program on the proper installation of the purification pack (PAK®).

### EQUIPMENT:

- New purification PAK®
- Nxstage PureFlow® control unit and cabinet
- Waste adapter line
- Conductivity sensor line
- Nxstage PureFlow SL® User Guide

### PROCEDURE:

- Ensure that Pureflow SL® is “ON” and in “STANDBY” and cold water supply is on.
- Disconnect the electrical cable and the white elbow connector from the Pureflow SL®. Remove the old expired PAK® from the cabinet and discard.
- Acquire and remove the new PAK® from its outer package.
- Remove the 2 packages of waste and conductivity lines that are taped to the side of the PAK®.
- Remove the perforated section at the front of the PAK®.

### KEY POINT:

- There is a small lip at the front of the PAK® Compartment. Slide the PAK® up and over this lip.
- Do not use the PAK® if it is damaged or any caps are missing, disconnected or loose. Do not use if the expiration or use –by-date has passed.
- The PAK® can be used for up to 12 weeks depending on water quality. Do not use for more than 12 weeks even if not exhausted. Performance of PAK® has not been validated beyond these parameters.

## **PROCEDURE:**

6. Open the cabinet door on the front of the PureFlow SL®. Completely slide the PAK® into the PAK® compartment. The perforated opening must be at the front top.
7. Extend the three lines from the perforated opening of the PAK®
8. Insert the electrical cable from the PAK® into the PAK® electrical connector on the left side of the PureFlow® Control unit.
9. Connect the PAK® water inlet line to the water outlet connector.
10. Attach a new conductivity sensor line to the PureFlow SL® conductivity sensor connector.
11. Connect the PAK® water outlet line (blue clamp) to the PureFlow SL®'s conductivity sensor connector.
12. Remove and discard the old waste line adapter. Attach a new waste line adapter into the waste line connector, turn clockwise until tight.
13. Press “GO” on PureFlow SL® control unit to prime PAK®.
14. The PureFlow SL® control unit will display:

**PRIME PAK**  
**Prime New Pak?**

15. Press “GO” on PureFlow SL® control unit.
16. When priming is complete, the PureFlow® control panel displays:

**PRIME PAK COMPLETE**  
**Close Blue Clamps**

17. Clamp both blue clamps (one non-reopening blue clamp) and one re-opening blue clamp and disconnect the PAK® water outlet line from the PureFlow SL® conductivity sensor connector.
18. Press “GO” on PureFlow SL® to enter “STANDBY”.
19. PureFlow SL® display will read:

**STANDBY: No Batch**  
**Press GO to Start**

## **KEY POINT:**

- The locking tab must be facing down and note that the PAK® electrical connector on the PureFlow SL® control unit is slightly angled.
- The water outlet connector is the bottom connector and has a white circle around it. Push in the elbow fitting until a click is heard.
- The conductivity sensor connector is the middle connector and has an orange circle around it. Push it in and then turn it to the right to tighten. This connection is made only for the initial priming of the PAK®.
- Priming takes approximately 2.5 hrs.

**DOCUMENTATION:**

- Write date of install on front of PAK® on white label under expiry date.
- Serial number must be documented on the treatment record.

**REFERENCES:**

Nxstage PureFlow SL® User Guide. Software version 1.13, 1.14, and 1.15. NC5342 Rev. D 2015-09-09