

The WaterTrap™ for Water Removal

Introduction

The Horizon Technology WaterTrap uses a membrane to separate water from nonpolar organic solvents. The technique is clean, fast and easier to use than sodium sulfate, a chemical drying agent. The device eliminates sample transfer to the drying step by in-line installation. The device is designed specifically to mate with the SPE-DEX 3100® (Figure 1) to remove water (up to 5 mL) from n-hexane extractable material (Oil & Grease).

If you are using a WaterTrap drying membrane with the SPE-DEX 3100 system firmly fit it to the tip of the port where the collection vessel attaches. It may be necessary to attach the WaterTrap at the same time as preparing to attach the collection vessel if the space is tight.

The WaterTrap operates with the system by choosing the method for analysis on the controller that indicates a Trap is included. For example, the method (shown in Figure 2) entitled 100mm Trap V2 would mean you intend to use a 100-mm solid phase extraction (SPE) disk with the WaterTrap.



- In-line drying for efficiency
- Convenient and reliable
- Eliminates sodium sulfate



Figure 1. Installing the WaterTrap Component

The WaterTrap is shown in action with solvent passing through the membrane and into the collection vessel in Figure 3.

The WaterTrap is an easy-to-use, clean, reasonably-priced option for the laboratory that must dry their hexane-extractable material extracts.

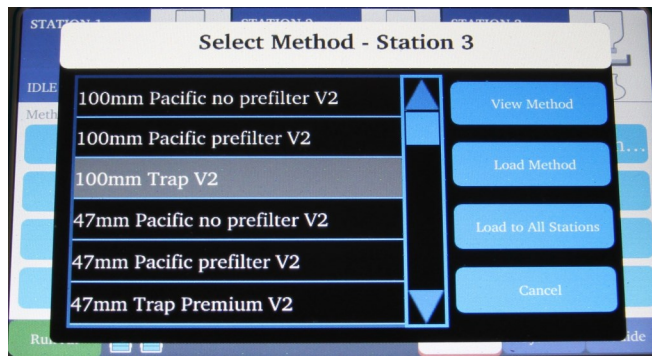


Figure 2. Controller Method with WaterTrap



Figure 3. WaterTrap in Action