

NanoSHIELD™ Hollow Fiber Series Filter Cartridges

Installation Instructions for NanoSHIELD™ Hollow Fiber Series Filter Cartridges

Filter Packaging

NanoSHIELD™ hollow fiber series filters are double-bagged for cleanroom service and should remain packaged until installation. Inspect, but do not remove the filter from the protective bags unless you are in a clean environment. Contact your 3M Purification Inc. Representative or Technical Support with any concerns.

WARNING

Please take proper precautions when handling aggressive fluids. Wear chemically resistant garments, gloves, and eye protection during filter change-out and startup.

Installation

1. Remove the filter from the box and carry the filter into the gray area.
2. Remove the outer protective bag and discard.
3. Carefully cut the inner protective bag near the O-ring base and slide back to just expose the O-rings. Note: DO NOT remove the filter cartridge from the inner bag.
4. Wet the cartridge O-rings and housing receptor with the process fluid.
Note: NanoSHIELD hollow fiber series filters MAY REQUIRE pre-wetting when used with fluids that have a surface tension equal to or greater than 30 dynes/cm.
5. Grasp the filter with both hands, place the open end of the filter into the housing receptor, and press straight into place while twisting.
6. Remove bag and inspect cartridge for proper seating in housing receptor. Repeat these steps until all filters are installed.
7. Close the housing and verify all connections are leak tight.
8. Start the fluid flow and fill the filter housing.
9. Vent the upstream side of the filter housing.
10. After all trapped air has been removed, the filter is ready for use.

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