

Flat Sheet Membrane Installation & Storage Guidelines

NF/UF/MF Membranes; All Model Numbers

This guideline is intended for use with flat sheet membranes, and does not offer any guarantees of performance whether directly stated or implied.

Installation

1. Remove the new flat sheet from its storage bag and ensure that the flat sheet has not been damaged or tampered with. Look for any scratches, wrinkles, and/or deformities that could hinder performance.
2. Carefully rinse the flat sheet with RO or DI water before usage. This will flush out any preservatives and other unwanted materials attached to the flat sheet.
3. Make sure your hands are clean before handling the flat sheet. Hold onto the ends of the flat sheet when transferring it around. Do not contaminate the membrane as much as possible as this may hinder performance.
4. Place the flat sheet onto the filtration cell body and secure tightly.
5. Increase the pressure in the system slowly until you reach your desired pressure level. It is important not to rapidly increase pressure as this may cause over compaction in the membrane.
6. Properly store the flat sheet when it is not in use. It is important that you do not allow the membrane to dry out at any point in time. See proper storage methods below.

Storage

Synder Filtration's dry flat sheet membranes come packaged with a coated layer of glycerine; wet flat sheet membranes are in solution with 2% sodium metabisulfite (MBS).

Note: After removing the flat sheet from the storage bag, you must always first rinse the flat sheet with either RO or DI water to remove preservatives. Only use or store the flat sheet once this cleaning process is complete.

1. Unopened flat sheets may be stored in a refrigerator for up to 2 months. Flat sheets that are not properly refrigerated risk drying out due to evaporation.
2. Opened flat sheets that are not in use should be kept in a solution of either 1% sodium metabisulfite (0.1% MBS for NF) or 50% glycerine to prevent microbial growth, and the preservative solution must be maintained regularly.

Contact Synder Filtration's Technical Services Department if you have any questions about installation and/or storage with your Flat Sheet Membranes at +1-707-451-6060.