

SEPRODYN® Modules

Initial Flushing & Cleaning Procedure

Thank you for purchasing a SEPRODYN® module. The highly porous polyethylene membrane is backwashable, allowing for stable and efficient filtration with continuously high product flux. The smart design allows for use in applications that require highly stable polymer materials, pH stability (0 to 14), and high resistance against abrasive substances.

The tubular PE membrane may contain traces of residual surfactants and organic oil. Initial module operation is likely to be accompanied by foam generation. Once the surfactants are washed out, no additional foam will be generated. In some applications, residual organic oil may lead to distorted results.

Please flush the module first thoroughly to wash out residual surfactants before operating with the intended feed media.

In case residual organic oil causes complications, the following initial cleaning procedure can be applied:

1. Prepare a NaOH cleaning solution with a target concentration of 5% NaOH.
2. Circulate the solution for 30-60 min. Adjust the feed pressure to a value which allows the cleaning solution to penetrate the membrane through to the permeate side.
3. Allow the solution to soak for 30-60 min.
4. Drain and flush the system with water. NaOH and the residual oil will generate white foam (oil will be saponified).
5. Repeat steps 2 to 4 until no foam is no longer generated (usually after 2-3 repetitions).

For more details on the modules function, operation, and chemical resistance, please refer to the manual on the homepage or contact us directly.

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