

BlueAce Water Technology

RO Membrane Cleaning Operating Manual

Purpose

This manual provides the standard operating procedure for safely cleaning reverse osmosis (RO) membranes using BlueAce Stage 1 and Stage 2 cleaning chemicals.

Safety Precautions

Always wear gloves, safety goggles, and protective clothing. Never mix Stage 1 and Stage 2 directly. Ensure the RO system is turned off before cleaning.

Equipment Needed

Cleaning tank, circulation pump, hoses, pH meter, thermometer, PPE, BlueAce Stage 1 and Stage 2 cleaners.

Operating Procedure

1. Shut down the RO system.
2. Flush the system with permeate water.
3. Prepare the Stage 1 solution following the recommended dilution.
4. Circulate for 30–60 minutes and soak if necessary.
5. Drain and flush thoroughly.
6. Prepare the Stage 2 solution.
7. Repeat circulation and soaking.
8. Flush until pH returns to normal.
9. Restart the RO system and monitor pressure, flow, and water quality.

Maintenance Tips

Clean membranes whenever differential pressure increases, permeate flow decreases, or water quality declines. Record every cleaning activity in the maintenance log.

Storage

Store chemicals in a cool, dry, well-ventilated area away from direct sunlight. Keep containers tightly closed.

BlueAce Water Technology - Professional Membrane Cleaning Solutions