

# Evaporator Condensate Polishing

Permeate streams from reverse osmosis or nanofiltration processes as well as condensates from evaporators are essentially water. With additional cycles of reverse osmosis, this water can be purified or “polished” to a level where it may be reused again for cleaning purposes. With further heat or UV treatment, this water may even be used as process water.

Some sugar, food, dairy and pharmaceutical production facilities have excess amounts of water which must be discharged. Discharged water is typically associated with emission taxes depending on organic levels as well as other factors. Reverse osmosis may be used to lower the content of micro-organisms, TOC and COD of the discharge water and significantly reduce emission taxes.

TurboClean® High Purity RO elements may be used to polish permeate streams or condensates from evaporators. For more information or questions, please contact MICRODYN-NADIR. This product is available using feed spacers of various thicknesses to account for the total solids content.

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