



Water Reclaim

Water Softening Membrane Solution

Reduce Cooling Tower Bleed & RO Reject. Cut Corrosion. Conserve Water.

Why Choose the dNF40 Membrane Solution?

Experience more efficient cooling tower operation, lower water costs, and improved environmental sustainability.

- Reduce discharge by 75%
- Lower Freshwater Use
- Minimize Corrosion & Chemical



Simplified Water Recovery Process

- Tower Basin or RO Reject Water In
Collects water with high TSS, organics, and hardness.
- Advanced Filtration
UF/NF membrane removes suspended solids, bacteria, and organics.
- Hardness Reduction
Over 75% hardness removal via hollow fiber dNF40 membrane.
- Return & Bleed
Clean water returns to tower. Concentrate is safely bled off.

Product Specifications

Feature	Value
Product Model	dNF40
MWCO ¹	400 Dalton
Min. MgSO ₄ rejection ²	91%
Typical Flow Range	0.6 - 1.25 m ³ /h (2.6 - 5.5 gpm)



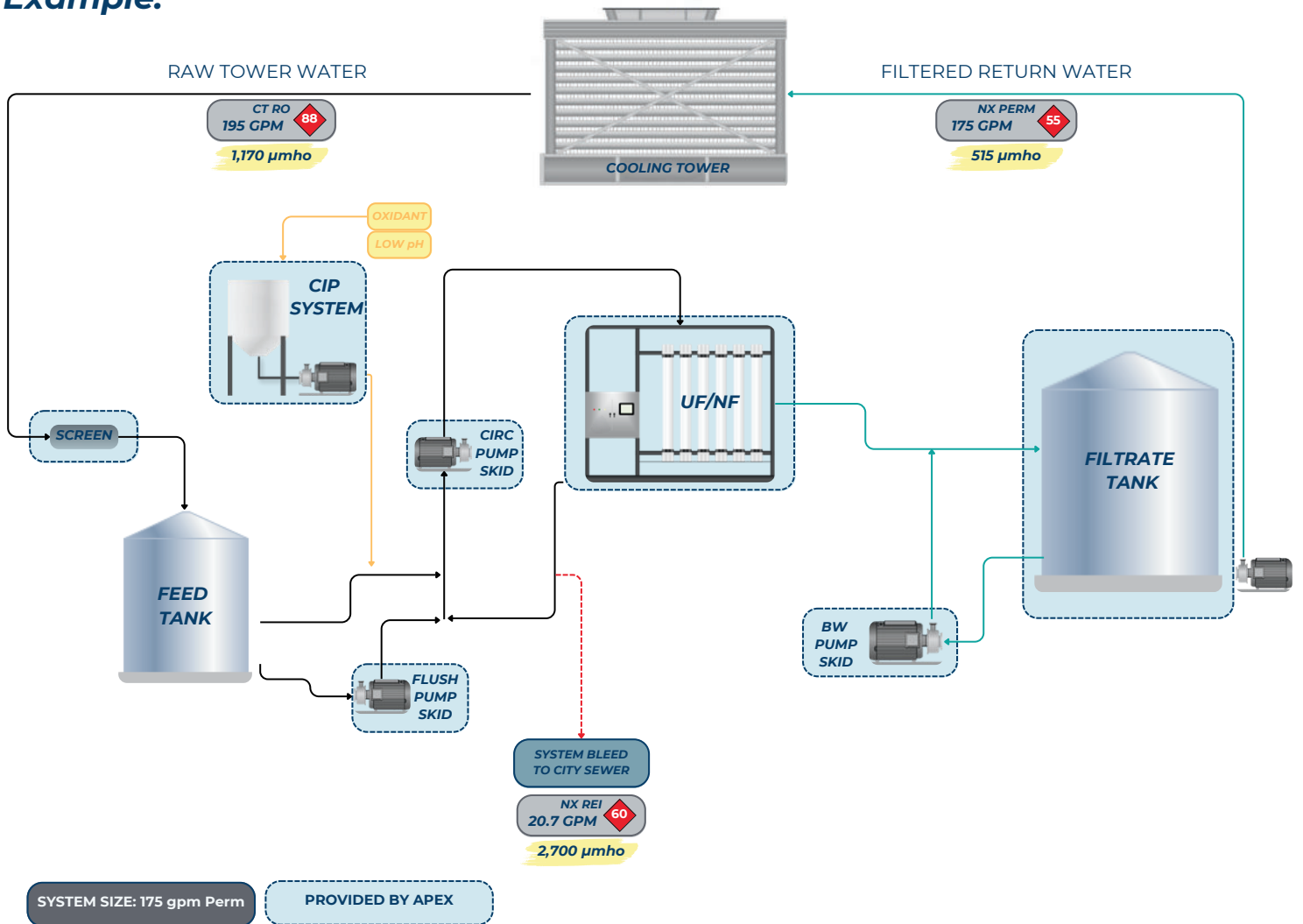
Getting Started Is Easy:

1. Free Assessment
2. Bench Test (Proof of Concept)
3. Full-Size Pilot, if necessary
4. Get Your detailed Capex Proposal

Ideal Applications

- Cooling Towers and Reverse Osmosis with excessive waste streams.
- Industrial & commercial buildings
- Sites facing water restrictions
- High seasonal water demand operations

Example:



About Apex

Apex is a trusted leader in water and process management, delivering **integrated solutions of chemistry, equipment, automation and services** to help industries reduce costs, maximize efficiency, stay compliant, and optimize sustainability.

We simplify water and process challenges for customers with **expert support, seamless solutions and fast problem solving**, so they can focus on running safe, efficient, and sustainable operations.



SIMPLIFY CHALLENGES



REDUCE COSTS



MAXIMIZE EFFICIENCY



IMPROVE SUSTAINABILITY