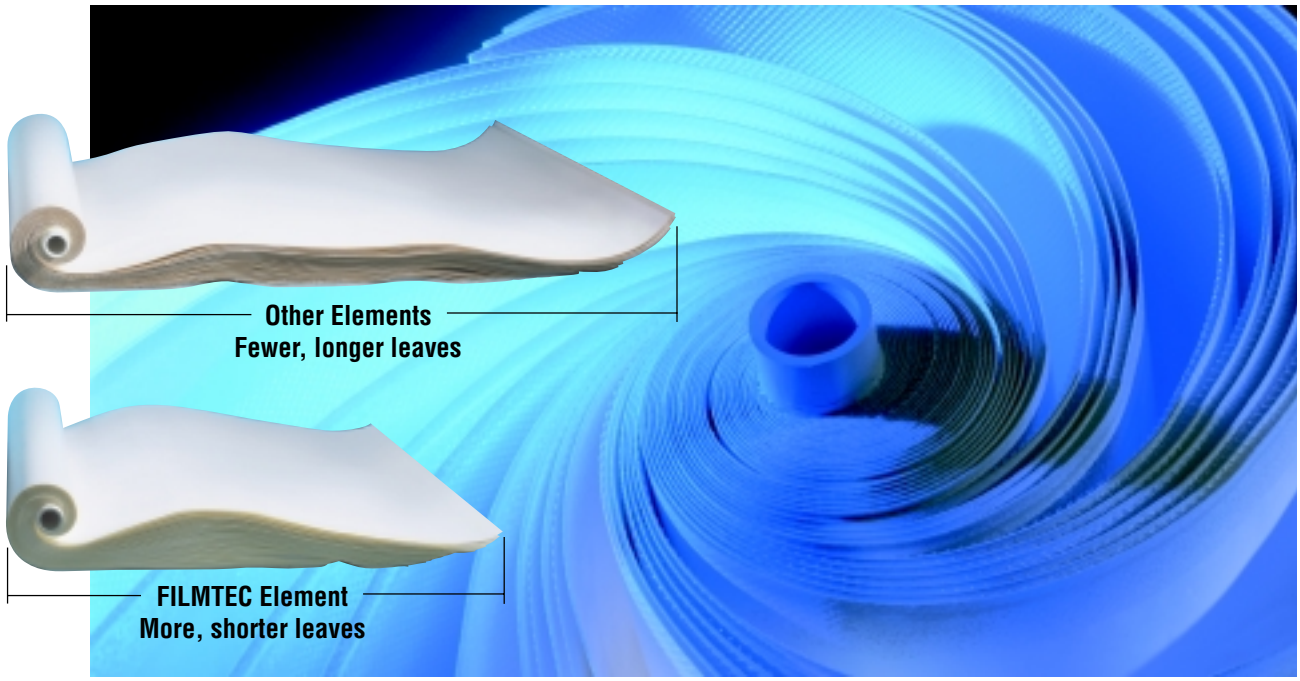
FILMTEC® Membranes

Higher performance RO elements begin with shorter leaves.



All spiral wound reverse osmosis elements are comprised of membrane "leaves"—individual sheets of membrane through which feedwater passes and is purified. But that's where the similarity ends.

Competitive eight-inch elements contain a maximum of 21 leaves, with each leaf measuring from 40 to 50 inches in length. But comparable FILMTEC® elements are fabricated with up to twice as many leaves, each one-third to two-thirds shorter than those in other elements.

Greater efficiency, less fouling

Why is our short-leaf design an advantage? Because less pressure is required to deliver permeate from the far reaches of each leaf, and more uniform membrane flux is maintained from one end of the leaf to the other. The result is a more efficient element—one that fully utilizes membrane surface area. And one that's less prone to fouling than elements that use high flux membrane to try to overcome the limitations of longer leaves.

Precision fabrication is the "secret"

Packaging more, shorter leaves into an eight-inch element requires precision fabrication. The advanced, automated production processes in our ISO-9002 plant produce uniform, precise glue lines, optimum membrane spacing, and uniform winding tension—to ensure that each element we make meets our exacting design tolerances and your performance expectations. Discover the difference our exclusive short-leaf element design can make in your water treatment system.

To learn more, visit us at:
www.filmtec.com

Or call:
1-800-447-4369 (U.S. & Canada).
+31-20-691-6268 in Other Global Areas.

DOW*

*Trademark of The Dow Chemical Company

FILMTEC® MEMBRANES | DOWEX* ION EXCHANGE RESINS