FILMTEC Membranes

FILMTEC® Home Drinking Water RO Elements

For maximum performance, the best choice is FILMTEC elements

FILMTEC RO elements have been installed as part of more water purification systems—in more applications—than any other element. They've been a leader in both consumer and commercial RO systems for more than a decade, with hundreds of thousands of drinking water systems based on FILMTEC elements in operation today.

And for good reason. FILMTEC home drinking water RO elements are constructed using advanced automated manufacturing technology. Unlike the hand-rolled elements sold by some manufacturers, FILMTEC elements are built to optimum physical tolerances, minimizing element-to-element differences. In addition, critical fastening points are sonic-welded for maximum strength and durability. For ease of installation, we also offer dry low-pressure RO elements. Finally, extensive testing ensures that every FILMTEC element we ship meets our high standards for fabrication quality.

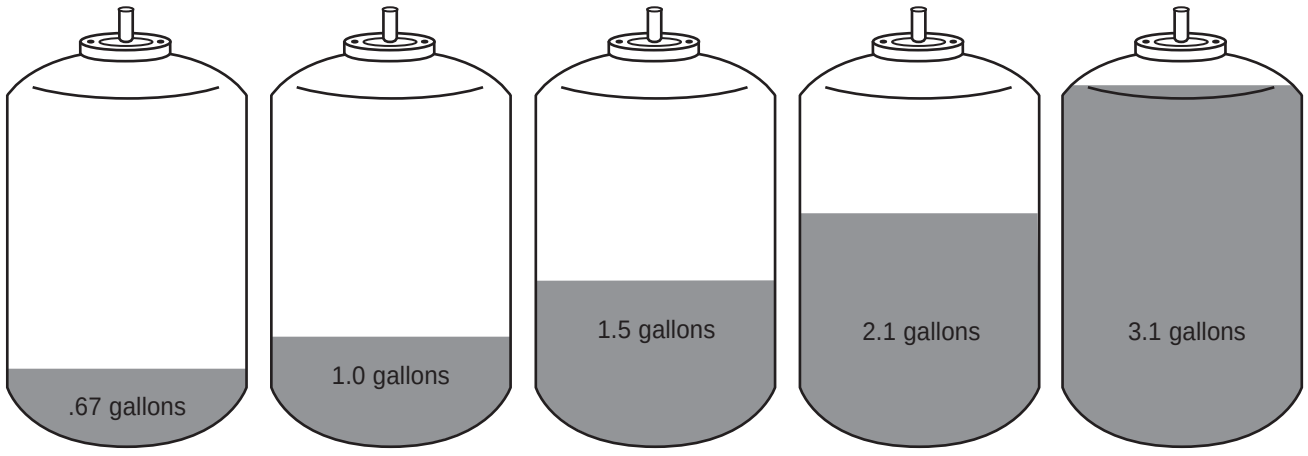
Higher Flow Means Faster Fills

The higher an element's flow, the more water the RO system can purify in a given amount of time. That means elements with higher flows will allow the system's tank to refill faster. Thanks to our precision fabrication techniques, FILMTEC elements produce higher flows than many competitive elements at identical pressures. In cooler environments this is extremely important, since low temperatures can adversely influence tank fill times. Following are comparisons of the pure water production capacity of various FILMTEC elements.

Time to Fill a 3-Gallon Tank (at 50 psi[1], 25°C)

Element	Gallons Per Day (l/h)	Fill Time
TW30-1812-16	16 (2.5)	4.5 hours
TW30-1812-24	24 (3.8)	3.0 hours
TW30-1812-36	36 (5.7)	2.0 hours
TW30-1812-50	50 (7.9)	1.4 hours
TW30-1812-75	75 (11.8)	0.9 hours

Amount of water produced in 1 hour (at 50 psi[1])



[1]Individual performance of each element can be higher or lower, depending on the actual pressure used.

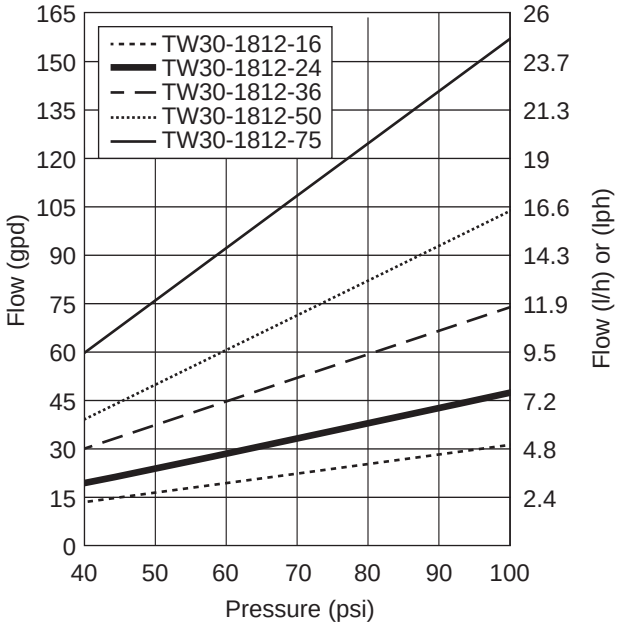
COMPONENT
Tested and Certified to
ANSI/NSF Standard 58

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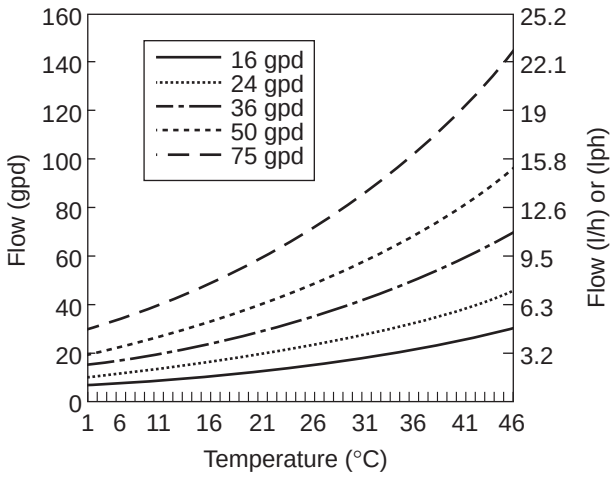
High flow even at 50 psi

FILMTEC home drinking water RO elements are available in a broad range of flows, allowing you to select the element that best matches your specific pure water needs at various pressures. When comparing competitive claims for flow, it's important to know the pressure at which the element was tested.

Comparison of flow at various pressures (constant temperature, recovery)



Temperature effect on home drinking water elements



NOTICE: The use of this product in and of itself does not necessarily guarantee the removal of cysts and pathogens from water. Effective cysts and pathogens reduction is dependent on the complete system design and on the operation and maintenance of the system.

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