

High Pressure RO/NF Spiral-Wound Elements

Differences in Standard, High Pressure & Ultra-High Pressure Elements

The following is a general guide showing the differences in standard water purification and process RO/NF elements, high pressure (HPR) elements, and ultra-high pressure (UPR) elements. Each of the below distinguished elements was designed to meet specific operating needs. For more information or questions, please contact MANN+HUMMEL Water & Fluid Solutions.

HIGH PRESSURE RO/NF SPIRAL-WOUND ELEMENTS

Element Type	Maximum Operating Pressure *	Outer Wrap
Standard MICRODYN, OLTREMARE & TRISEP® Fiberglass Elements for Water Purification Applications	41 bar (600 psi)	Fiberglass
Standard TurboClean® Elements for Process Applications	55 bar (800 psi)	TurboClean Shell
TRISEP & TurboClean High Pressure (HPR) Elements	83 bar (1200 psi)	Fiberglass or TurboClean Shell
TRISEP & TurboClean Ultra-High Pressure (UPR) Elements	120 bar (1740 psi)	Fiberglass or TurboClean Shell

* Maximum pressures are valid at temperatures up to 45°C (113°F) for water purification applications and up to 50°C (122°F) for process applications.

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