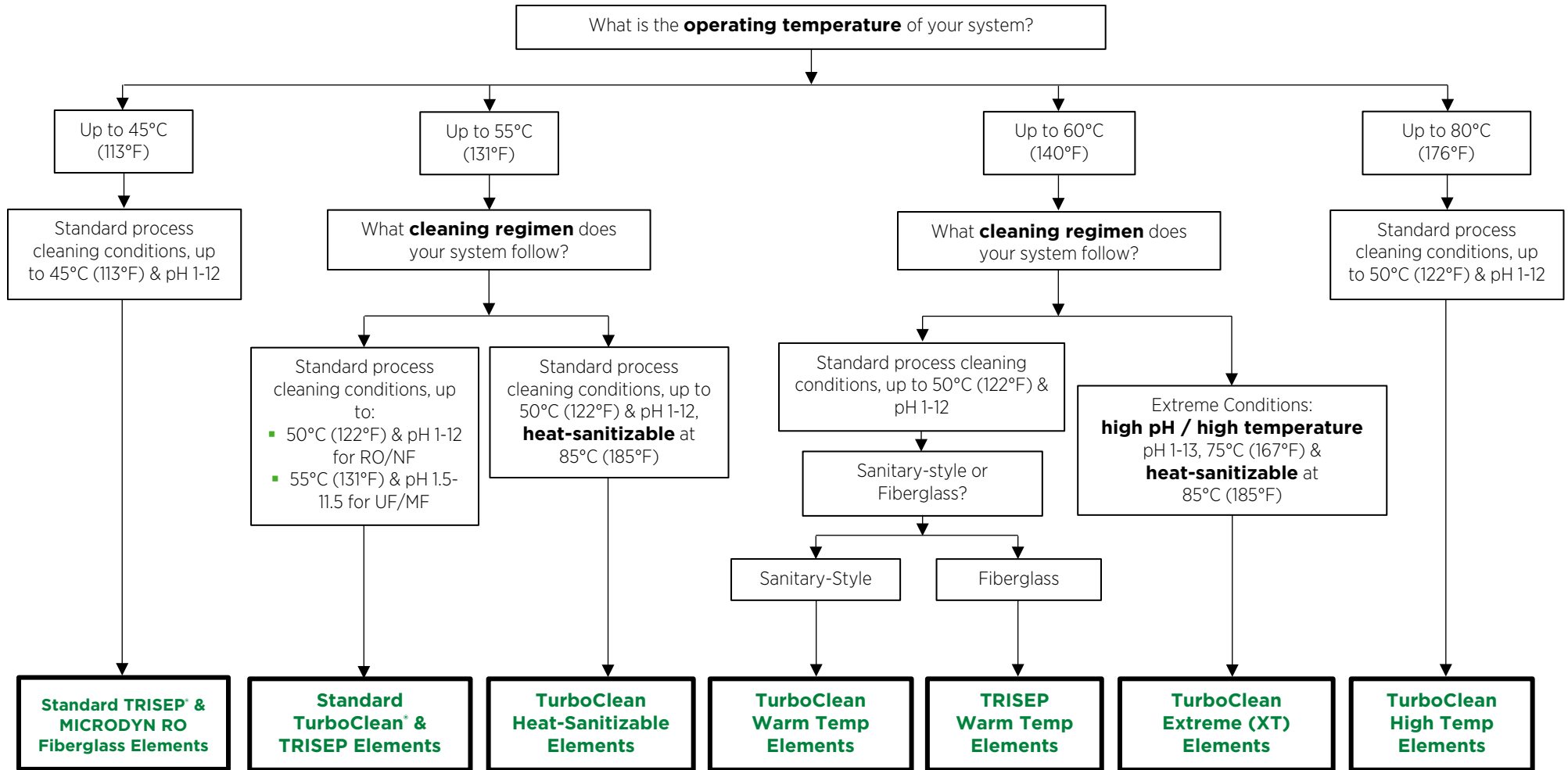


High Temperature Spiral-Wound Elements

Which High Temperature Element Do I Need?



High Temperature Spiral-Wound Elements

Differences in Heat-Sanitizable, Warm Temp, Extreme (XT) & High Temp Elements

The following is a general guide showing the differences in heat-sanitizable, warm temp, extreme (XT) and high temp elements. Each of the below distinguished elements was designed to meet specific operating, cleaning and/or sanitizing needs. For more information or questions, please contact MANN+HUMMEL Water & Fluid Solutions.

HIGH TEMPERATURE SPIRAL-WOUND ELEMENTS

Element Type	Operating Temperature	Cleaning Temperature	Cleaning pH	Sanitizing Temperature	Outer Wrap
Standard TRISEP® & MICRODYN Fiberglass Elements	45°C (113°F)	45°C (113°F)	1.0 - 12.0	-	Fiberglass
Standard TurboClean® & TRISEP Elements	RO/NF: 50°C (122°F) UF/MF: 55°C (131°F)	RO/NF: 50°C (122°F) UF/MF: 55°C (131°F)	RO/NF: 1.0 - 12.0 UF/MF: 1.5 - 11.5	-	Sanitary-Style (TurboClean Shell or Net-Wrap)
TurboClean Heat-Sanitizable	50°C (122°F)	50°C (122°F)	1.0 - 12.0	85°C (185°F) at 1.7 bar (25 psi) maximum pressure)	TurboClean Shell
TurboClean Warm Temp	60°C (140°F)	50°C (122°F)	1.0 - 12.0	-	TurboClean Shell
TRISEP Warm Temp	60°C (140°F)	50°C (122°F)	1.0 - 12.0	-	Fiberglass
TurboClean Extreme (XT)	60°C (140°F)	75°C (167°F)	1.0 - 13.0	85°C (185°F) at 1.7 bar (25 psi) maximum pressure)	TurboClean Shell
TurboClean High Temp	80°C (176°F)	50°C (122°F)	1.0 - 12.0	-	TurboClean Shell

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