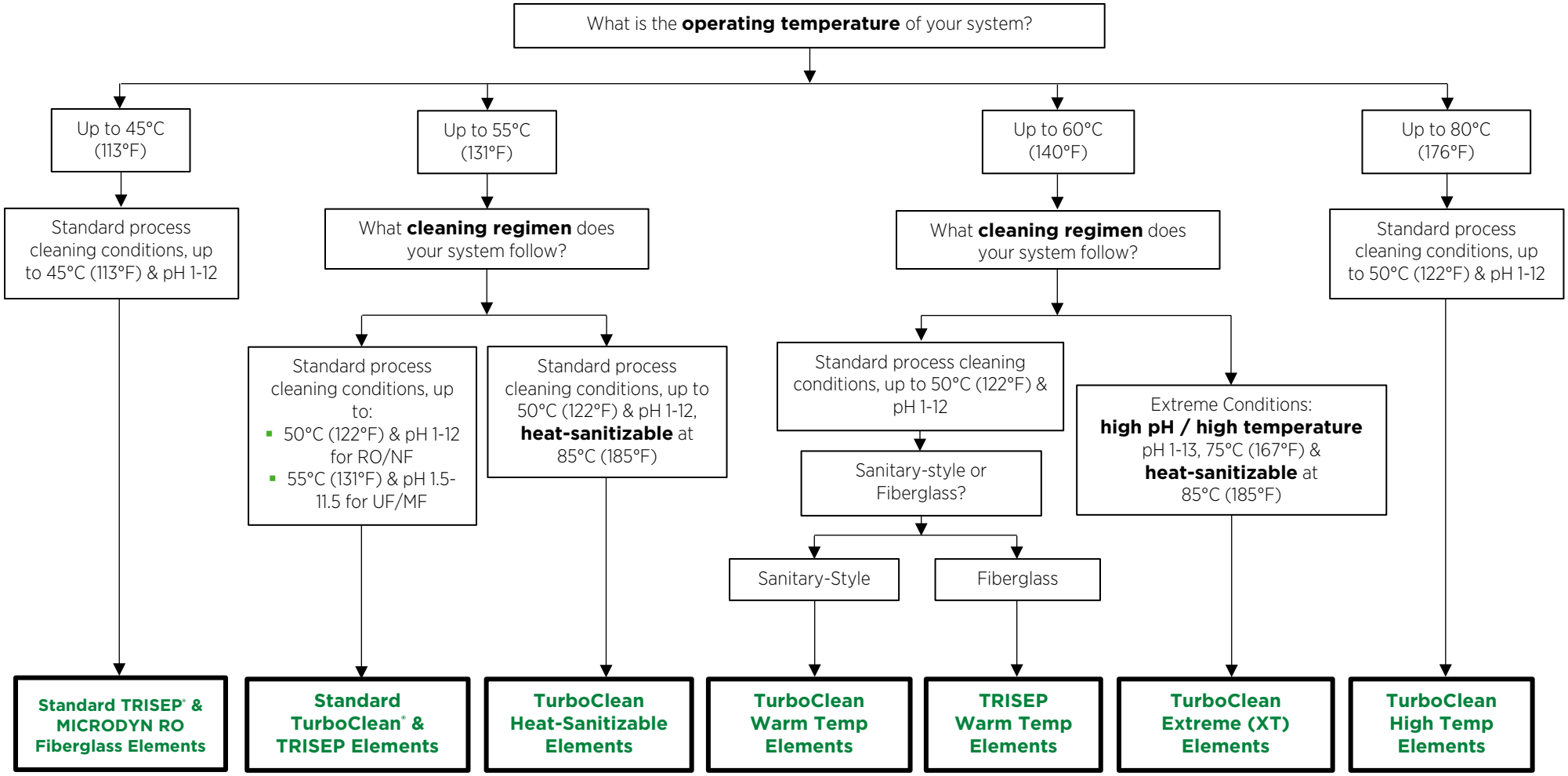
# High Temperature Spiral-Wound Elements

## 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)<br>UF/MF: 55°C (131°F) | RO/NF: 50°C (122°F)<br>UF/MF: 55°C (131°F) | RO/NF: 1.0 – 12.0<br>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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