

ST108 QUICK REFERENCE CARD FOR SPD

Utility Water

Where it is used?

Point of use pre-cleaning (per-facility policy). Sinks for flushing and manual washing. Washer fills and intermediate rinses. General cleaning tasks.

- **Target pH**
 - 6.5 to 9.5
- **Conductivity**
 - Less than 500 microSiemens per centimeter.
- **Total alkalinity**
 - Less than 400 mg per liter as CaCO_3 .
- **Total hardness**
 - Less than 150 mg per liter as CaCO_3 .
- **Bacteria (HPC)**
 - Less than 500 CFU per mL for routine utility use.
- **Endotoxin**
 - Not applicable for routine utility use. If used as a final rinse after chemical high-level disinfection, aim for less than 10 EU per mL
- **Total organic carbon (TOC)**
 - Not specified for routine utility water.
- **Appearance**
 - Colorless, clear, no visible sediment or turbidity.
- **Quick mental model**
 - Think good, treated tap water that will not beat up your chemistry or equipment.

Critical Water

Where it is used?

Final rinse in sinks. Final rinse in washers and cart washers. Final rinse in endoscope and HLD reprocessors. Feedwater for steam where specified.

- **Target pH**
 - 5.0 to 7.5
- **Conductivity**
 - Less than 10 microSiemens per centimeter.
- **Total alkalinity**
 - Less than 8 mg per liter as CaCO_3 .
- **Total hardness**
 - Less than 1 mg per liter as CaCO_3 .
- **Bacteria (HPC)**
 - Less than 10 CFU per mL
- **Endotoxin**
 - Less than 10 EU per mL
- **Total organic carbon (TOC)**
 - Less than 1.0 mg per liter.
- **Appearance**
 - Colorless, clear, no visible sediment or turbidity.
- **Quick mental model**
 - Think near RO or DI grade water for anything that touches devices at the end of the process.

