



### Recommended Parameters for Indoor Use of Recycled Water

The following parameters for indoor use of recycled water (also known as “reclaimed water” which is defined as nonpotable water that has been derived from the treatment of wastewater) are in response to requirements and guidelines being adopted by jurisdictions throughout the U.S. in lieu of no federal requirements. PMI’s parameters focus on plumbing product performance to ensure that products function as intended by the manufacturer. **The parameters are not intended to serve as guidance for public health and safety and are not intended for plumbing products that are used for bathing, cooking, drinking or hygiene purposes (e.g. faucets, showerheads, personal hygiene devices, bidets).**

Water Quality Limits <sup>1</sup>	
Parameter	Required Range
pH	6.0 - 9.0 <sup>2</sup>
Alkalinity	20 – 200 mg/L
BOD <sub>5</sub>	10 mg/L maximum (influent)
CBOD <sub>5</sub>	10 mg/L maximum (effluent)
Chloramines	MRDL = 4 mg/L
Chlorine	0.5 - 4 mg/L
Chlorine Dioxide	MRDL = 0.8 mg/L
Conductivity	1000 µS/cm maximum
Corrosivity/Scale	LSI = -3 to +3
Petrochemicals	Oily films and foaming shall not be visually detected
TDS	500 mg/L maximum
TSS	10 mg/L maximum
Turbidity	10 NTU maximum

#### Notes

<sup>1</sup>Some public health and safety parameters (e.g. E. coli, fecal coliform) are not included in the table as they do not affect product performance. To obtain such parameters, please consult the proper authority having jurisdiction.

<sup>2</sup>A pH above 8.5 could be detrimental to product performance.

#### Key

- Biological oxygen demand (BOD)
- Carbonaceous biochemical oxygen demand (CBOD)
- Chemical oxygen demand (COD)
- Langelier Saturation Index (LSI)
- Maximum residual disinfectant level (MRDL)
- Nephelometric turbidity unit (NTU)
- Total dissolved solids (TDS)
- Total suspended solids (TSS)