TYPES OF WATER USED IN PHARMACEUTICAL COMPANIES

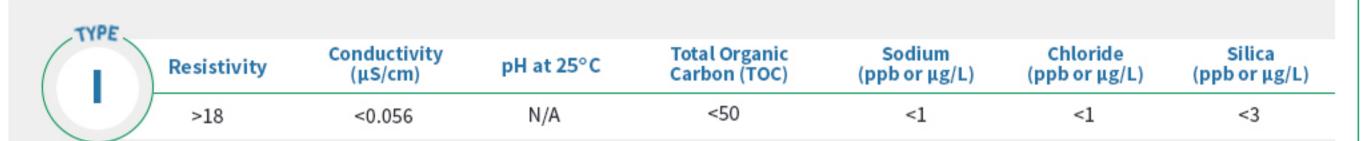


OUR STORY

Pure Process Technology designs high purity water systems that adhere to ASTM standards to suite your requirements.

Pure Process Technology supplies major pharmaceutical companies with the high purity water they require for accurate research and test results.

PARAMETERS:



Required for critical laboratory applications such as HPLC, Mobile Phase Preparation, blanks and sample dilution for analytical techniques such as GC, HPLC, AA, ICP-MS, etc. Preparation of buffers and media for mammalian cell culture and IVF. Production of reagents for molecular biology applications (DNA sequencing, PCR). Preparation of solutions for electrophoresis and blotting. Type I water is most commonly produced with POU (point of use) Polishers as maintenance costs are very high on large Type I systems.

| TYPE | Resistivity | Conductivity (μS/cm) | pH at 25°C | Total Organic Carbon (TOC) | Sodium (ppb or μg/L) | Chloride (ppb or μg/L) | Silica (ppb or μg/L) |
|------|-------------|-------------------------|------------|-------------------------------|-------------------------|---------------------------|-------------------------|
| | >1 | <1 | N/A | <50 | <5 | <5 | <3 |

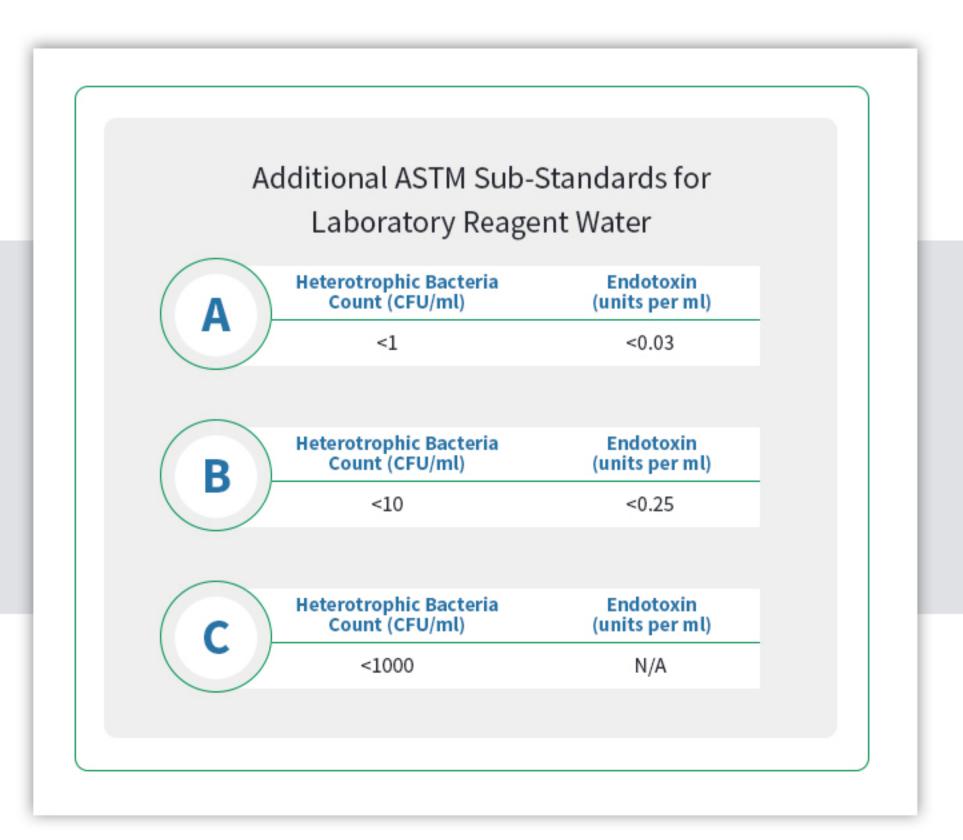
Used in buffers, pH solutions and microbiological culture media preparation and for preparation of reagents for chemical analysis. Used in clinical analyzers, cell culture incubators, and weatherometers, etc. Also used as feed water to Type 1 systems.

| TYPE | Resistivity | Conductivity (μS/cm) | pH at 25°C | Total Organic Carbon (TOC) | Sodium (ppb or μg/L) | Chloride (ppb or μg/L) | Silica (ppb or μg/L) |
|------|-------------|-------------------------|------------|-------------------------------|-------------------------|---------------------------|-------------------------|
| | >4 | <0.25 | N/A | <200 | <10 | <10 | <500 |

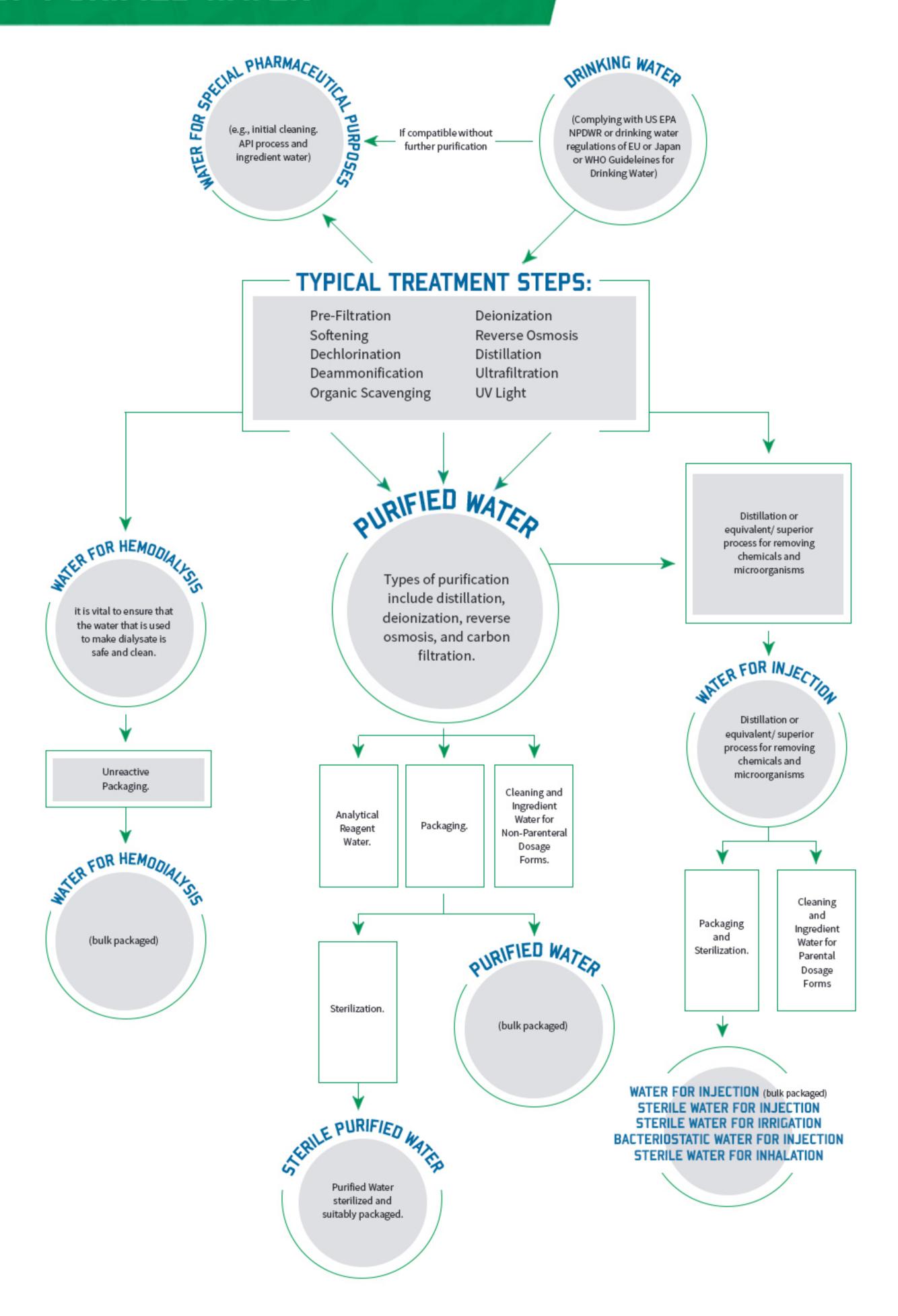
 $Used for glassware\ rinsing, filling\ autoclaves\ and\ heating\ baths\ and\ humidifiers.\ Also\ used\ as\ feed\ water\ to\ Type\ 1\ systems.$

Contact us today to discuss your unique purification requirements.

Call (603) 598-0691 or Email info@ppttech.com



THE PROCESS AND APPLICATIONS OF PURIFIED WATER



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