

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:



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)
>18	<0.056	N/A	<50	<1	<1	<3

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.



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.



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

Additional ASTM Sub-Standards for
 Laboratory Reagent Water



Heterotrophic Bacteria Count (CFU/ml)	Endotoxin (units per ml)
<1	<0.03



Heterotrophic Bacteria Count (CFU/ml)	Endotoxin (units per ml)
<10	<0.25



Heterotrophic Bacteria Count (CFU/ml)	Endotoxin (units per ml)
<1000	N/A

THE PROCESS AND APPLICATIONS OF PURIFIED WATER

