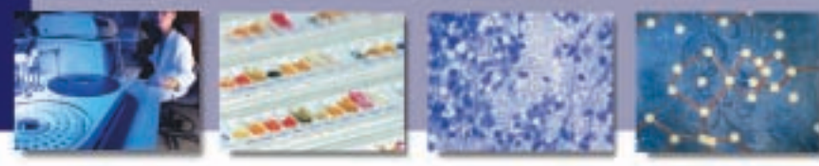
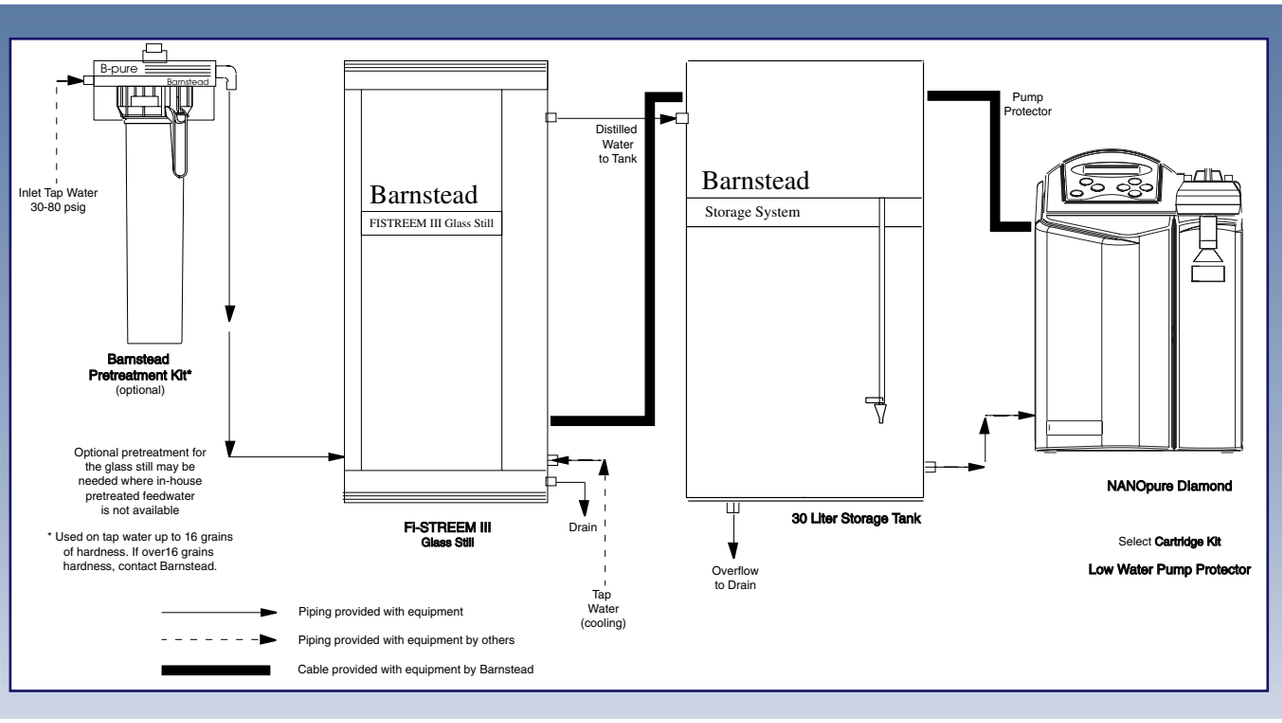


Distillation/Deionization



Type I Ultrapure Water

(Recommended for ultrapure water requirements greater than 15 liters/day.)

- Fully automatic system
- Space saving design
- Pretreatment eliminates the need for cleaning and improves purity.

This system illustrates the use of FI-Streem III glass still as pretreatment for a NANOpure® DIamond™ ultrapure water system. The optional pretreatment kit for the FI-Streem III glass still may be recommended for use when in-house pretreated feed water is not available.

The FI-Streem III glass still provides you with fully automatic operation and when used in conjunction with the NANOpure DIamond provides the ultimate Type I Reagent grade water system. Not only is the still a useful source of water for your less demanding applications, it extends the life of the cartridges in the NANOpure DIamond by a factor of 20 versus tap water. The combination of the FI-Streem III and the NANOpure DIamond provides the purest water available at a very reasonable cost.

Listed to the right are the product water qualities that could be expected from this type of system.

The Free W.A.T.E.R. Water Analysis To Evaluate and Recommend program assures that you are purchasing the correct system for your application, volume requirements and budget. See the W.A.T.E.R. test kit page for more information.

Water Qualities From Deionization System

- Type I Reagent Grade water
- Ultra-low dissolved inorganic solids and gases, ASTM Type I up to 18.2 megohm-cm resistivity
- Ultra-low dissolved organics, less than 1 ppb TOC with UV
- See NANOpure DIamond test results for more information

Applications

- HPLC
- GC/MS
- Cell & Tissue Culture
- Media Preparation
- ICP/MS
- AA
- IC
- TOC
- GC
- DNA Amplification

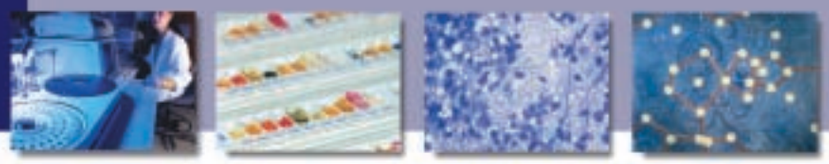
Water Qualities From Distillation System

- Sterile
- Free from pyrogens (endotoxins) and bacteria
- Free from particles
- Very low dissolved ionized solids
- Low dissolved organics

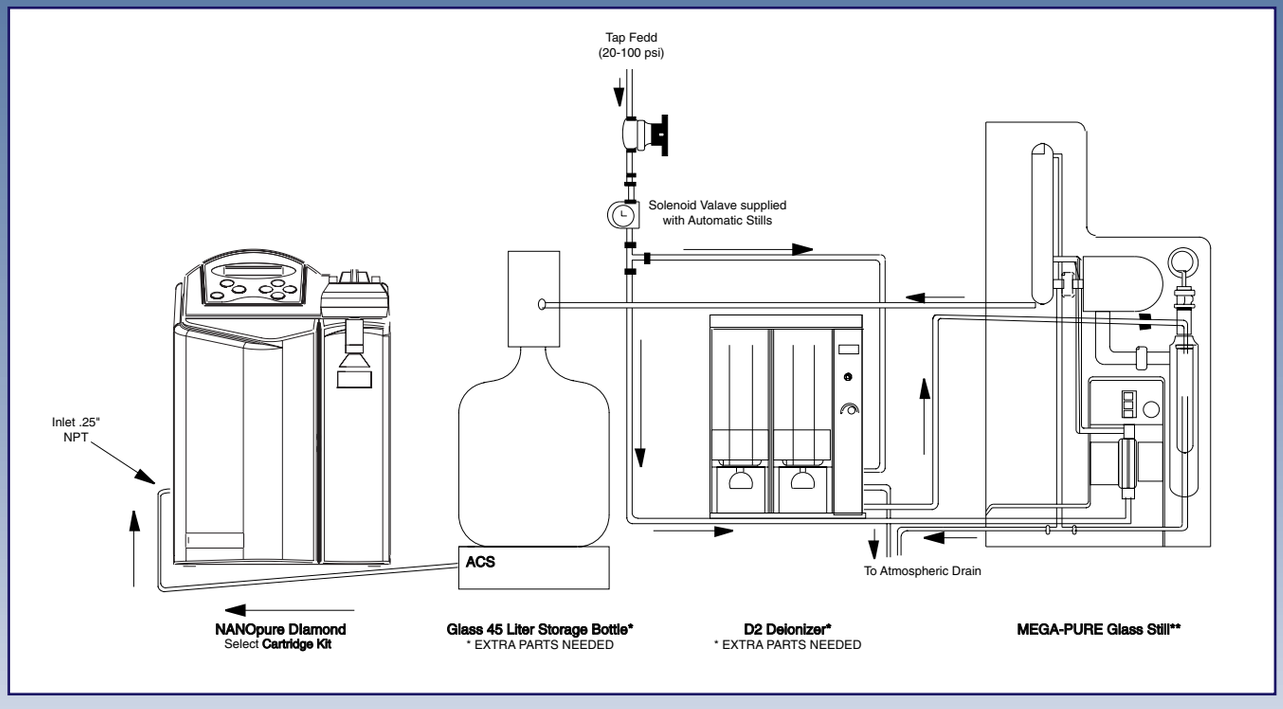
Applications

- General laboratory use
- Qualitative analyses
- Washing and rinsing of glassware and plasticware
- Biological and endotoxin free use
- Media preparation

Barnstead
Systems



Distillation/Deionization



Type I Ultrapure Water

(Recommended for ultrapure water requirements greater than 15 liters/day.)

- Economically priced
- Five production volume choices
- All glass distilled water and pretreatment system includes glass storage bottle

The use of MEGA-PURE glass distillation as pretreatment to a NANOpure® DIamond™ ultrapure water system provides you with the best of both worlds. The MEGA-PURE provides you with a reliable source of water for your less demanding needs while the NANOpure DIamond provides you with the ultimate in purity for your most stringent requirements.

The MEGA-PURE produces between 1.4 and 13 liters of water per hour and when coupled with the 45 liter storage bottle provides a sufficient quantity to be used alone or as a feed source to the NANOpure DIamond system. The MEGA-PURE used as a feed source to the NANOpure DIamond will ensure the ultimate in purity as well as provide for increased cartridge capacity.

Listed to the right are the product water qualities that could be expected from this type of system.

The Free W.A.T.E.R. Water Analysis To Evaluate and Recommend program assures that you are purchasing the correct system for your application, volume requirements and budget. See the W.A.T.E.R. test kit page for more information.

Water Qualities From Deionization System

- Type I Reagent Grade water
- Ultra-low dissolved inorganic solids and gases, ASTM Type I up to 18.2 megohm-cm resistivity
- Ultra-low dissolved organics, less than 1 ppb TOC with UV
- See NANOpure DIamond test results for more information

Applications

- HPLC
- GC/MS
- Cell & Tissue Culture
- Media Preparation
- ICP/MS
- AA
- IC
- TOC
- GC
- DNA Amplification

Water Qualities From Distillation System

- Sterile
- Free from pyrogens (endotoxins) and bacteria
- Free from particles
- Very low dissolved ionized solids
- Low dissolved organics

Applications

- General laboratory use
- Qualitative analyses
- Washing and rinsing of glassware and plasticware
- Biological and endotoxin-free use
- Media preparation