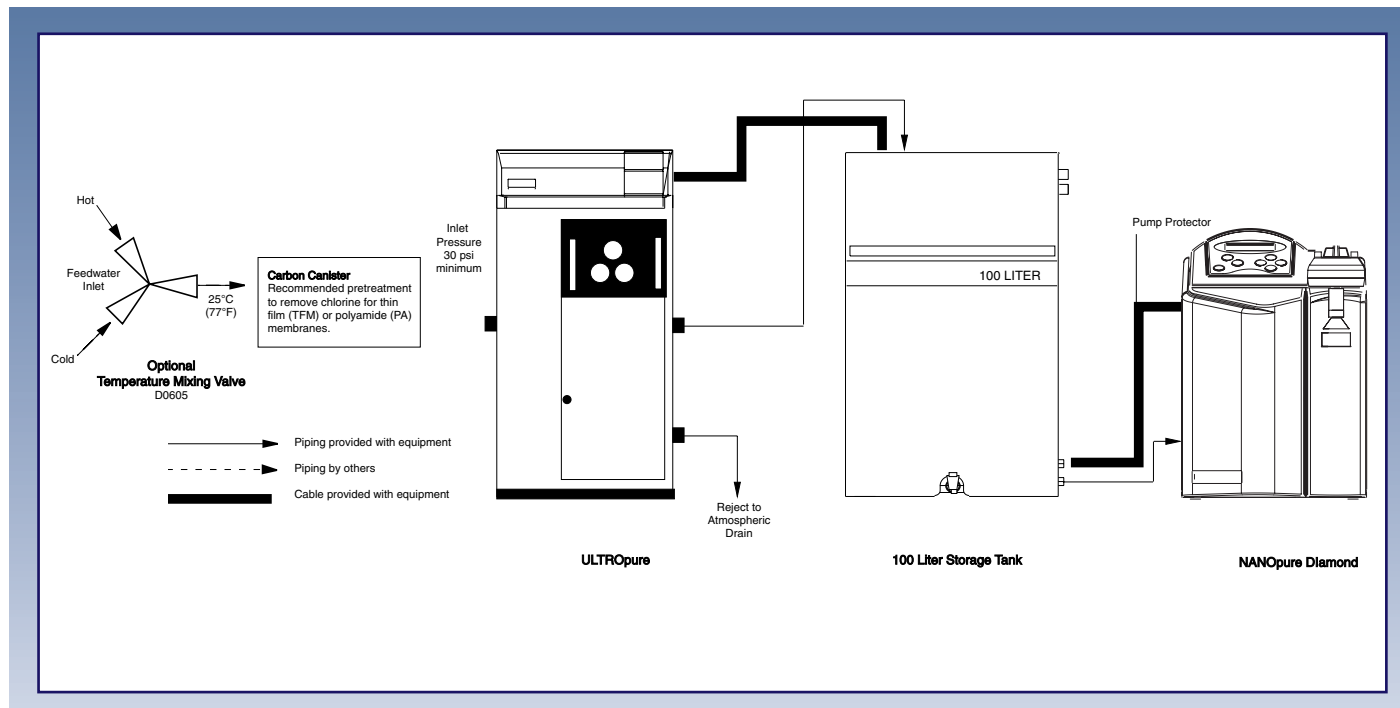


## Reverse Osmosis/Deionization



### Type I Ultrapure Water

(For RO water requirements up to 1325 liters/day and ultrapure water requirements greater than 15 liters/day.)

- Fully automatic system

This system illustrates the use of the ULTROpure reverse osmosis system as pretreatment for a NANOpure Diamond ultrapure water system. The ULTROpure in conjunction with the NANOpure Diamond provides water of the exacting quality you require at a rate that meets your high volume requirements.

The use of an ULTROpure reverse osmosis system provides fully automatic operation, supplying you with Type I water when used with a NANOpure Diamond. The ULTROpure will automatically turn on when the tank water level is reduced and will turn off when the tank is full.

The NANOpure Diamond will provide up to 1.5 liters/minute, of Type I water for your lab. Listed to the right are product water specifications 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

### Applications

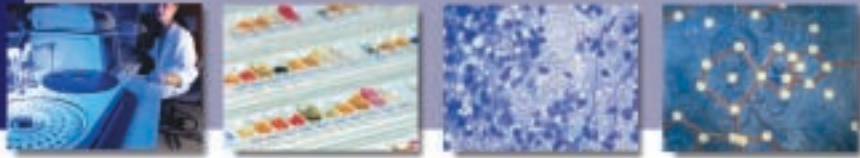
- HPLC
- GC/MS
- Cell & Tissue Culture
- Media Preparation
- ICP/MS
- AA
- IC
- TOC
- GC
- DNA Amplification

### Water Qualities From Reverse Osmosis System

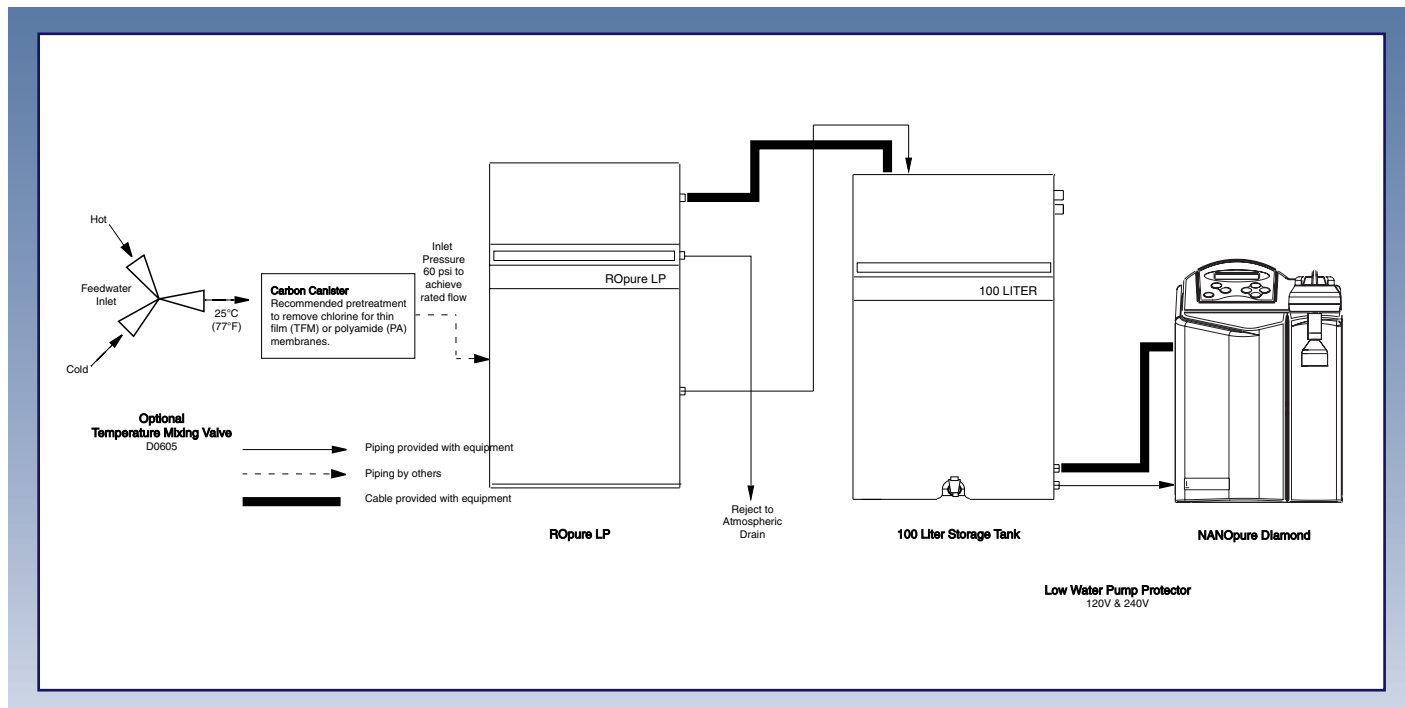
- 95-99% reduction of inorganic solids
- 99% reduction of 300 molecular weight or larger organic solids
- > 99% reduction of particles, bacteria and pyrogens

### Applications

- Pretreated water for feeding deionization systems, extending deionization cartridge life
- Purified water for general laboratory uses including glassware and plasticware washing



## Reverse Osmosis/Deionization



### Type I Ultrapure Water

(For RO water requirements up to 300 liters/day and ultrapure water requirements greater than 15 liters/day.)

- Fully automatic system
- Low operating cost

This system illustrates the use of the ROpure LP reverse osmosis system as pretreatment for a NANOpure DIAMOND ultrapure water system. Together the systems provide cost effective reagent grade water of unparalleled quality.

The use of a ROpure LP reverse osmosis system provides a fully automatic operation supplying you up to 300 liters per day of Type I water, when used with a NANOpure DIAMOND. The ROpure LP will automatically turn on when the tank water level is reduced and will turn off when the tank is full.

The NANOpure DIAMOND will provide up to 1.5 liters/minute of Type I water for your lab. Listed to the right are product water specifications 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 18.2megohm-cm resistivity
- Ultra low dissolved organics, less than 1 ppb TOC with UV

### Applications

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

### Water Qualities From Reverse Osmosis System

- 85-95% reduction of inorganic solids
- 99% reduction of 300 molecular weight or larger organic solids
- > 99% reduction of particles, bacteria and pyrogens

### Applications

- Pretreated water for feeding deionization systems, extending deionization cartridge life
- Purified water for general laboratory uses including glassware and plasticware washing