

Type D11981
Remote Dispenser

OPERATION MANUAL
AND PARTS LIST
SERIES 1198

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Introduction

Congratulations on your purchase of a Barnstead Remote Dispenser.

Introduction

The unit is designed to deliver Type I reagent grade water up to 8 feet (2.4 meters) away from a NANOpure® Diamond™ Water System. Careful attention to the following instructions will assure that the remote dispenser operates properly and produces water to specifications.

Be sure to fill out and return the enclosed warranty registration card. We would like to receive the information requested, and it will help us assure you of proper warranty coverage.

Important Information

This manual contains important operating and safety information. You must carefully read and understand the contents of this manual prior to using this equipment.

General Usage

Do not use this product for anything other than its intended usage.

Safety Information

Alert Signals



Warning

Warnings alert you to a possibility of personal injury.



Caution

Cautions alert you to a possibility of damage to the equipment.



Note

Notes alert you to pertinent facts and conditions.

Your Barnstead Remote Dispenser has been designed with function, reliability, and safety in mind. For safe operation, please pay attention to the alert boxes throughout the manual.

Warnings

To avoid electrical shock:

1. Do not mount remote dispenser directly over equipment that requires electrical service. Routine maintenance of this unit may involve water spillage and subsequent electrical shock hazard if improperly located.

To avoid personal injury:

1. Avoid splashing disinfecting solution on clothing or skin.
2. Ensure all piping connections are tight to avoid leakage of chemicals.
3. Always depressurize chemical lines before disassembly.
4. Ensure adequate ventilation.
5. Follow carefully the manufacturer's safety instructions on labels or chemical containers and material safety data sheets.

General Specifications

Environmental Conditions

Operating: 4°C - 40°C; 20% - 80% relative humidity, non-condensing. Installation Category II (over-voltage) in accordance with IEC 664. Pollution Degree 2 in accordance with IEC 664. Altitude limit: 2,000 meters.

Storage: -25°C - 65°C; 10% - 85% relative humidity.

Installation

Unpacking

Unpack the remote dispenser carefully. The remote dispenser comes complete with all the necessary parts and hardware needed for installation. Also enclosed is a filter to be installed after rinse-out is complete.

System Depressurization

This should be done prior to installing the remote dispenser or removing a cartridge pack or an ultrafilter. The unit needs to be plugged in and operating to correctly perform this depressurization step.

1. **IMPORTANT:** Disconnect inlet water from the left back of the unit.
2. From the (Idle) display press ENTER.
3. From 'Air Purge?' press UP ARROW.
4. From 'Depressurize' press UP ARROW for (YES).
5. Press ENTER. Display will show 'system flushing' and the time remaining as



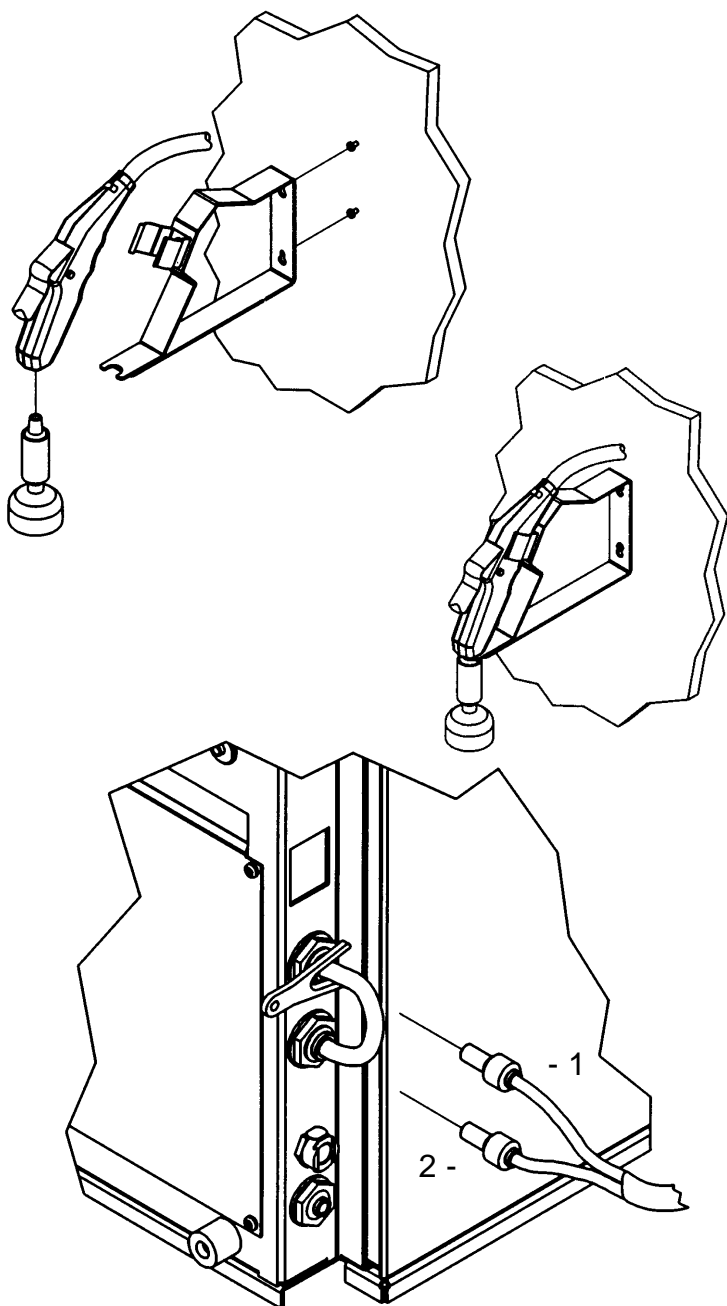
Note

The recirculating and feed lines of the dispenser are not interchangeable, so orientation of the two connections is important.



Warning

To avoid electrical shock, always disconnect from power supply before maintenance and servicing. Refer servicing to qualified personnel.



Bracket Mounting

1. Determine location of bracket. Using the wall bracket as a template, locate and drill the mounting holes in the wall. Install appropriate fasteners (not included) into wall.
2. Slide bracket onto fasteners and secure
3. Install final filter (D3750) onto dispenser as shown.
4. Mount Dispenser onto bracket as shown.

Tube Connections

1. Make sure unit is depressurized, water supply is disconnected and unit power is disconnected.
2. Using tool supplied with dispenser, disconnect "U" shaped tube from left rear of unit as shown.
3. Press in on collet of bulkheads with tool while pulling on tube. Work back and forth from each bulkhead until tube is free.
4. Press dispenser fitting labeled "1" into bulkhead labeled "1" as shown.
5. Press dispenser fitting labeled "2" into bulkhead labeled "2" as shown.
6. Unit is now ready to have the water supply reconnected and to be powered up.

Operation

**Note**

The volumetric and timed dispense feature cannot be accessed through the remote dispenser. It will remain available through the fixed draw off valve on the NANOpure DIamond System.

the system depressurizes.

1. Remove the protective cap from the filter bell.
2. The dispenser will deliver a steady stream when you depress the draw-off trigger. For unattended operation, depress the button on the right side of the dispenser at the same time as the trigger is depressed. To unlock the draw-off trigger and stop dispensing water, press the draw-off trigger.
3. Install a Barnstead 0.2 micron final filter (part no. D3750) into the housing by screwing into threads at outlet of dispenser. Hand-tighten only. Rinse 8-10 liters of water to drain through new filter.
4. When draw off is complete, release the draw-off trigger and replace the protective cap on the filter bell.
5. After the filter is rinsed, the dispenser is ready for use.

Maintenance and Servicing



Warning

To avoid electrical shock, always disconnect from power supply before maintenance and servicing. Refer servicing to qualified personnel.



Warning

To avoid personal injury:

1. Avoid splashing disinfecting solution on clothing or skin.
2. Ensure all piping connections are tight to avoid leakage of chemicals.
3. Always depressurize chemical lines before disassembly.
4. Ensure adequate ventilation.
5. Follow carefully the manufacturer's safety instructions on labels or chemical containers and material safety data sheets.

Dispenser does not require any maintenance other than periodic sanitization and filter replacement.

Sanitization

When sanitizing, follow instructions in NANOpure Diamond manual and recirculate sanitizing solution through dispenser. During sanitization remove the D3750 filter.

Filter Replacement

It is recommended that the final filter be replaced every 45 working days or when there is an unacceptable high bacteria passage or when flow decreases to less than 1 liter per minute. Always run at least 8 - 10 liters of deionized water through a new filter after installation to properly wet filtration media.

Replacement Parts



Warning

To avoid electrical shock, always disconnect from power supply before maintenance and servicing. Refer servicing to qualified personnel.

The only replaceable parts incorporated into the remote dispenser are expendable items.

Barnstead|Thermolyne does not advise removing any of the components incorporated into the dispenser. Below is the replaceable item.

Part #	Description
D3750	Package of one 0.2 micron final filter

Ordering Procedures

Please refer to the Specification Plate for the complete model number, serial number, and series number when requesting service, replacement parts or in any correspondence concerning this unit.

All parts listed herein may be ordered from the **Barnstead|Thermolyne** dealer from whom you purchased this unit or can be obtained promptly from the factory. When service or replacement parts are needed we ask that you check first with your dealer. If the dealer cannot handle your request, then contact our Customer Service Department at 319-556-2241 or 800-553-0039.

Prior to returning any materials to **Barnstead|Thermolyne Corp.**, please contact our Customer Service Department for a "Return Goods Authorization" number (RGA). Material Returned without an RGA number will be returned.

One Year Limited Warranty

Barnstead|Thermolyne Corporation warrants that if a product manufactured by **Barnstead|Thermolyne** and sold by it within the continental United States or Canada proves to be defective in material or construction, it will provide you, without charge, for a period of ninety (90) days, the labor, and a period of one (1) year, the parts, necessary to remedy any such defect. Outside the continental United States and Canada, the warranty provides, for one (1) year, the parts necessary to remedy any such defect. The warranty period shall commence either six (6) months following the date the product is sold by **Barnstead|Thermolyne** or on the date it is purchased by the original retail consumer, whichever date occurs first.

All warranty inspections and repairs must be performed by and parts obtained from an authorized **Barnstead|Thermolyne** dealer or **Barnstead|Thermolyne** (at its own discretion). Heating elements, however, because of their susceptibility to overheating and contamination, must be returned to our factory, and if, upon inspection, it is concluded that failure is not due to excessive high temperature or contamination, warranty replacement will be provided by **Barnstead|Thermolyne**. The name of the authorized **Barnstead|Thermolyne** dealer nearest you may be obtained by calling 1-800-446-6060 (319-556-2241) or writing to:

Barnstead|Thermolyne
P.O. Box 797
2555 Kerper Boulevard
Dubuque, IA 52004-0797
USA
FAX: (319) 589-0516
E-MAIL ADDRESS: mkt@barnstead.com

Barnstead|Thermolyne's sole obligation with respect to its product shall be to repair or (at its own discretion) replace the product. Under no circumstances shall it be liable for incidental or consequential damage.

THE WARRANTY STATED HEREIN IS THE SOLE WARRANTY APPLICABLE TO **Barnstead|Thermolyne** PRODUCTS. **Barnstead|Thermolyne** EXPRESSLY DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR USE.

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