

Precision Water Systems

CBR-2 Bottle Rinser

Owners' Guide

Model: CBR-2 BOTTLE RINSER

Part No: 900011

Series: 001

Manufactured By:
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**Please read this Owners' Guide
completely before installing or
operating your
Precision Water Systems
CBR-2 Bottle Rinser**

*Specifications are subject to
change without notice.*

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Introduction

Congratulations on the purchase of your new Precision Water Systems CBR-2 Bottle Rinser. When installed and maintained properly, your CBR-2 will provide years of safe, trouble free service. It is important to observe and follow the safety and maintenance instructions carefully. If you have any questions or concerns regarding installation or operation of your CBR-2 Bottle Rinser, please contact your dealer.

Your CBR-2 Bottle Rinser must be installed according to any Local or State Regulations.

Records

Please record all of the important information below to assist you and the service centre in case there is any service work required in the future. All of the information is required to properly identify your CBR-2 Bottle Rinser and will make servicing much easier. The information is located on the serial plate, which is located on the backside of the splashguard.

PWS Model: CBR-2 Bottle Rinser

Series: *eg: 001*

Serial Number: *eg: 0401812*

Date of Purchase: _____

Warranty

- The warranty for your CBR-2 Bottle Rinser is one year on all electrical components.
- Stainless Steel parts are warranted for five (5) years. With this warranty it is the responsibility of the owner to properly maintain the CBR-2 Bottle Rinser. If there is any mis-use or abuse the warranty will be void.
- PWS does not warrant any transportation charges incurred to complete the repair. The owner is responsible for all shipping charges to and from the service centre.
- Warranty is void if the CBR-2 Rinser is found to have been consumer damaged or misused, caused by acts of God, unauthorized alteration, repair or vandalism.

Important Safety Precautions

When using electrical appliances, basic safety precautions should always be followed including the following:

- 1. Read all instructions.**
- 2.** To protect against electrical shock do not immerse cords or plugs in water or other liquid.
- 3.** Close supervision is necessary when any appliance is used near children.
- 4.** Do not allow children to operate this appliance.
- 5.** Do not operate any appliance with a damaged cord or plug or after the appliance malfunctions or has been damaged in any manner. Return appliance to the nearest service facility for examination, repair or adjustment.
- 6.** The use of accessory attachments not recommended by the appliance manufacturer may cause injuries.
- 7. Save these instructions.**

Features

The CBR-2 Rinser has been engineered from the ground up and includes the features shown in the diagram below:

Fig.1

CBR-2 Bottle Rinser Main Parts & Features Diagram (Optional Cabinet)

Fig.2

CBR-2 Bottle Rinser Internal Features Diagram

Finding a Good Installation Location

Before installing your CBR-2 Bottle Rinser, it is important to find a good location. Following the points listed below will provide the best location for your CBR-2 Rinser.

1. Plan for the plumbing requirements for the CBR-2 Rinser. The **Pre-Installation Preparation** section in the **Installation** section of this guide explains the plumbing requirements in detail. The most critical component of the installation in regards to plumbing is the floor drain location. A wall drain may be your only option. If a wall drain is used, be sure there is sufficient slope to follow local plumbing codes. Electrical power required is 110 VAC but power is supplied through a 24Volt DC transformer for safety reasons.
2. Good lighting is required to make sure the CBR-2 Bottle Rinser can be operated properly. Lighting may be added to an installation location easier than plumbing or floor drains.

Unpacking Your CBR-2 Bottle Rinser

CBR-2 Bottle Rinser

Your CBR-2 Bottle Rinser is carefully wrapped and packaged in a box.

- 1.** Removing the staples/screws off the cardboard at the bottom and lift the cardboard
- 2.** Remove stretch wrap material.

If any parts are missing or if you have been given the wrong part, DO NOT return the CBR-2 unit. Contact your dealer for the required parts. They will be pleased to assist you.

Fig.3

Assembly

The CBR-2 Rinser is designed to fit on a standard 24" vanity cabinet.

Fig.4

Assembly Diagram

- 1.** It will be necessary to drill hole in the exterior of the cabinet for plumbing and electrical requirements.

Pre-Installation Preparation

Introduction

To ensure that installation of your CBR-2 Bottle Rinser can be completed as quickly as possible, it is best to have all of the electrical supplies and plumbing fittings installed before your station arrives. All connections should be located so when your system arrives, all you have to do is assemble it, slide it against the wall, and connect the electrical and plumbing with a minimum amount of trouble.

The CBR-2 should be installed according to local electrical and plumbing codes. If you are unable to install the station according to code, then have a plumber and electrician complete all connections for you.

Rinse Connections

Introduction

Two water supply connections are required on the CBR-2 Bottle Rinser. These can be teed of to a central fitting.

The rinse plumbing connection is a 1" line directly attached to the $\frac{3}{4}$ " water line inlet as indicated on the drawing below.

Fig.5

PLEASE NOTE! THE PUMP FROM YOUR BACK-END PURE WATER STORAGE SYSTEM MUST PROVIDE A MIN. 50-70 PSI OF LINE PRESSURE at 5 to 10 GALLONS PER MINUTE TO ENSURE PROPER RINSING AND FILLING WITH THE CBR-2.

(BEFORE CONNECTING UNIT TO THE WATER OUTLETS, PLEASE CHECK SPECIFICATIONS OF YOUR PRE-INSTALLED PUMP).

Drain Connections

There are 2 drain connections required on the CBR-2 Bottle Rinser. Drains from both side of CBR-2 should be teed into a solid 1-1/2" line located along the wall behind the station and then drained to a suitable floor drain in a manner, which meets local plumbing codes. The CBR-2 Bottle Rinser-Filler below shows the dimensions for the location of all drain connections. Be sure to install according to appropriate local building codes.

Fig.6

To ensure that installation of your CBR-2 can be completed as quickly as possible, it is best to have all plumbing fittings installed before your station arrives. Also to be considered is an 110VAC outlet in close proximity. All connections should be located so when your CBR-2 arrives, all you have to do is place it in position and connect the plumbing and plug in the unit.

The CBR-2 should be installed according to local electrical and plumbing codes. If you are unable to install the station according to code, then have a plumber complete all connections for you. Electrically, the CBR-2 is designed with a 24V DC power supply.

Electrical Connections

The CBR-2 Bottle Rinser comes equipped with a 24-volt power source, which requires a standard 110VAC electrical outlet.

Fig.7

Operation

NOTE: Read all parts of the Owners Guide before operating the CBR-2 Bottle Rinser

Introduction

The following operation steps are provided as a guideline to the user and may need to be adjusted to suit individual needs.

1. Plug system into an 110volt outlet.

Fig.8

ACTIVATING RINSE CYCLE

2. Once the neck of a bottle is placed in the opening located at the top of the CBR-2, the manual button is pushed and held for approximately 10 seconds in order to rinse the bottle. Release when finished.

Fig.9

Maintenance and Cleaning

Keeping your CBR-2 Bottle Rinser clean on a daily basis is the best maintenance that you can provide.

Wash the stainless steel components with a scotchbrite type pad to keep your CBR-2 sparkling clean.

Note: Never use steel wool type scrubbers as they will contaminate the stainless steel and promote rust.

Troubleshooting

Caution! Always disconnect all power supplies before completing any Troubleshooting.

PROBLEM	CAUSE
A) Water does not dispense from either fill or rinse nozzles or both.	<ol style="list-style-type: none"> 1. Check power supply at 110 VAC source and after transformer for 24 VDC output. 2. Buttons should light up at pushing. 3. Check Water Solenoids. Hear the “click” sound for closing and opening of valves. 4. Check water line pressure. 5. Check main water supply
B) Water is not dispensing out of one nozzle.	<ol style="list-style-type: none"> 1. Check for a blockage in nozzle. 2. Remove tip and clean.
C) When filling, the stream of water coming from nozzle hits areas outside of the bottleneck opening.	<ol style="list-style-type: none"> 1. Position bottle properly by pushing in and down into the magazine holder. 2. Adjust bottom manifold for proper alignment 3. Adjust Carriage Stoppers by adding or removing spacers (SS flat washers) Fig.20. 4. Check for magazine alignment with top nozzles in vertical position.
D) Water dispenses without pushing buttons.	<ol style="list-style-type: none"> 1. Debris in solenoid valve is holding the valve open. Remove solenoid from solenoid valve and check for blockage. 2. Remove blockage and/or flush valve with clean water.
E) Bottles are loose in magazine holder.	<ol style="list-style-type: none"> 1. Remove bottle magazine from swivel carriage Fig.6. 2. Using a rubber hammer, tap gently the holding clips until expanding to a proper holding size. 3. Push empty bottle into magazine openings and check holding strength. 4. Adjust again if necessary.
F) Swivel Carriage is making a “squeaking” noise.	<ol style="list-style-type: none"> 1. Remove side covers and pressure plates Fig.1. 2. Check Snap Wheel Mechanism and Nylon Bushing. 3. Add Silicone Vaseline on all rotating parts.
G) Swivel Carriage is not holding into the “30deg” position.	<ol style="list-style-type: none"> 1. Remove side covers and pressure plates. Fig.1. 2. Check Snap Wheel Mechanism. 3. Replace if necessary

Contact any Precision Water Systems Service Centre to correct any problems with your CBR-2 that is not covered in this guide.

To locate a Service Centre in your area contact the manufacturer at:

Precision Design & Manufacturing Inc.

10331 – 105th Street

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For all replaceable parts please consult the Replacement Parts Manual

Optional Accessories

All Options are available from your Precision Water Systems Dealer or Service Centre

WATER TREATMENT SYSTEM

Neptune series of reverse osmosis water treatment available in 600, 1200 or 1800 gallon per day capacities.

U.V. LIGHT ASSEMBLY

Kills bacteria before entering fill spout.

BOTTLE RINSING KIT

Insert ozone into the rinsing systems in order to kill surface bacteria in bottle.

GOOSE NECK FILLING SPOUTS

For filling various size containers

Specifications and Technical Information

Fig.10

CBR-2 Specifications Diagram

