

Service Manual

V3-204 and 205 Dispensing Systems

VIVREAU[®]
ADVANCED WATER SYSTEMS



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i IMPORTANT _____

The information contained in this manual is specific to your system. It is **IMPORTANT** you **READ, FOLLOW** and **UNDERSTAND** the instructions given.

This manual and all material provided with your system should be retained in a convenient location for future reference.

Contact Vivreau if you have any questions regarding the information contained in this manual.

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Safety precautions

i IMPORTANT _____

This manual is intended for use by qualified installers and service technicians only.

⚠WARNING Improper installation, adjustment, alteration, service or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

⚠WARNING Keep the area around the unit clear of any combustible materials.

⚠WARNING Do not store or use gasoline or other flammable vapors or liquids in the vicinity of this or any other unit.

i IMPORTANT _____

Carefully read, understand and follow all safety instructions in this manual and safety labels on the unit.

- Keep safety labels in good condition and replace missing or damaged items.
- Learn how to operate the unit and how to use the controls properly.
- **Do not** let anyone operate the unit without proper training. This unit is intended for use by authorized personnel only.
- In the event of a power failure, **do not** attempt to operate this unit.
- Keep unit in proper working condition and **do not** allow unauthorized modifications to the unit.

⚠WARNING Only trained and certified electrical, plumbing and refrigeration technicians should service this unit.

⚠WARNING ALL WIRING AND PLUMBING MUST CONFORM TO NATIONAL AND LOCAL CODES. FAILURE TO COMPLY COULD RESULT IN SERIOUS INJURY, DEATH OR EQUIPMENT DAMAGE.

SAFETY PRECAUTIONS _____

This unit has been specifically designed to provide protection against personal injury.

To ensure continued protection, observe the following:

⚠WARNING Disconnect power to the unit before servicing. Follow all LOCKOUT/TAGOUT procedures. Verify power to the unit is OFF and disconnected before any work is performed. Failure to do so could result in serious injury, death or equipment damage.

- To protect against electric shock, do not immerse power cord in water or other liquid.
- To prevent damage to the power cord, do not allow cord to hang over the edge of a table or counter, or come in contact with hot surfaces.
- Isolate unit from power supply (unplug or turn OFF breaker) and turn OFF the water supply when not in use and before cleaning.
- Allow Boiler (if supplied) to cool before removing any components.
- The use of spare parts and accessories not recommended by Vivreau may cause damage and/or injuries.
- **Do not** operate any unit with damaged cords, plugs, or after the unit malfunctions or has been damaged in any manner.
- **Do not** use outdoors.
- **Do not** place on or near a hot gas or electric burner.
- **Do not** use the unit for anything other than its intended use.
- **Save these instructions.**

General Information

INFORMATION FOR THE READER

To find specific topics of interest quickly, refer to the Table of Contents at the beginning of this manual.

This manual is solely for the use of qualified installers and service technicians.

PURPOSE OF THE MANUAL

- Vivreau has produced this manual to provide necessary information to qualified and authorized personnel for the safe and proper installation, operation, maintenance, and servicing of the Vivreau V3-204 and V3-205 Dispensing Systems.
- Information contained in this manual will help prevent risks to health and safety, and the risk of economic losses.
- Keep this manual in a clearly identified and safe place throughout the working life of the unit, so that it will always be available as needed.
- The manufacturer reserves the right to make modifications to the unit without any obligation to provide prior notice.
- A number of symbols have been used to highlight particularly important parts of the text or important specifications. Their meaning is as defined below.

WARNING

Indicates that suitable procedures must be adopted to avoid putting people's health and safety at risk or causing economic losses.

CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in property damage, minor or moderate injury.



IMPORTANT

Indicates important technical information which *must not* be overlooked.

Technical Specifications

GENERAL DESCRIPTION

The Vivreau V3-204 and V3-205 Dispensing Systems are designed to provide Chilled Still and Sparkling Water on demand.

Model V3-204 is a Water Dispensing System designed for countertop installation with the CO₂ Cylinder, CO₂ Regulator and Water Filter mounted in a cabinet below the unit.

Model V3-205 is a Self-Service Water Dispensing System designed for under-counter installation with the Dispenser Head mounted to the countertop directly above the unit.

Each unit can be connected to a bulk CO₂ system, in lieu of a CO₂ Cylinder and regulator.

Both systems are made up of several components that will fit under a standard minimum 24" wide base-cabinet section.

Performance is the same for both models and selection is based on space available for installation.

The system has been designed for operation at ambient temperatures up to 90°F.

Dispensing Specifications			
Description	Specification	V3-204	V3-205
Chilled still water	ΔT=18 °F @ 15.8 gal/h	✓	✓
Chilled sparkling water	ΔT=18 °F @ 15.8 gal/h	✓	✓
Water Pressure at Dispensing Head	5 PSI	✓	✓

Operating Conditions			
Description	Specification	V3-204	V3-205
Temperature	60 – 90°F	✓	✓
Relative Humidity	60% (max.)	✓	✓

Water Supply Requirements			
Description	Requirements	V3-204	V3-205
1/2" FNPT connection with Ball Valve	1/2"	✓	✓
PSI (min.)	50	✓	✓
GPH (min.)	80	✓	✓
Temperature (max.)	60°F	✓	✓

CO ₂ Operating Pressure			
Description	Requirements	V3-204	V3-205
Pressure	65-70 PSI	✓	✓
Supply Pressure (Bulk System)	100 PSI (min.)	✓	✓

Dispenser Head Specifications			
Description	Requirements	V3-204	V3-205
Height	21.25"	✓	—
	19.3"	—	✓
Distance Nozzle to Drip Tray	12.3"	✓	✓
Weight	7.4 lbs.	NA	✓

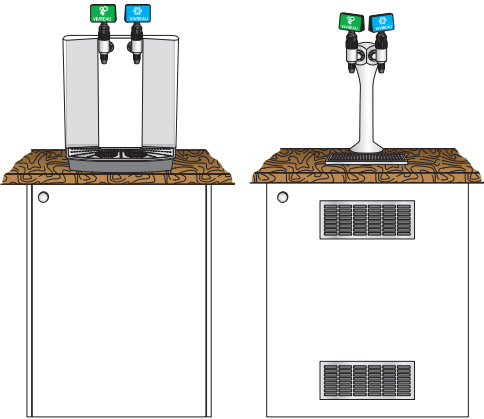
Cooler/Carbonator Specifications			
Description	Specification	V3-204	V3-205
Width	14.7"	✓	—
	14.2"	—	✓
Height	21.3"	✓	—
	18.5"	—	✓
Depth	19.5"	✓	—
	17"	—	✓
Weight	72.6 lbs.	✓	NA
Voltage	110/120 VAC/60 Hz	✓	✓
Amperage	8A	✓	—
	11A	—	✓

NA = Not Available

Installation

INTRODUCTION

The Vivreau V3-204 and V3-205 Dispensing Systems are countertop and under-counter Water Dispensing Systems. Chilled water is available from Dispensers that provide Still and Carbonated Water from individual faucets.



Vivreau V3-204 and V3-205 Dispensing Systems

PRE-INSTALLATION

Below are the services required to be in place prior to the installation of the Vivreau V3-204 or V3-205 Dispensing System. If you have any questions regarding these or other services, please contact **Vivreau Service** Toll-Free at 877-999-1044.

WATER SUPPLY

One (1) potable 1/2" cold water supply terminating in a 1/2" NPT Ball Valve, 1/2" female pipe thread.

i **IMPORTANT**

Ball Valve must be accessible for service and installation.

Minimum Water Pressure: 50 PSI

Minimum Water Flow: 80 gallons per hour

i **IMPORTANT**

The Vivreau V3-204 and V3-205 Dispensing System incorporates back-flow prevention. Any additional back-flow devices required by Federal, State or Local Code must also be supplied by the customer prior to installation. There must not be any other Filters/Pre-Filters inline before the unit.

ELECTRICAL OUTLET

Model V3-204 and V3-205

(1) 20 Amp Electrical Circuit (NEMA 5-20R) 120V, 60 Hz (8 Amps)

CO₂

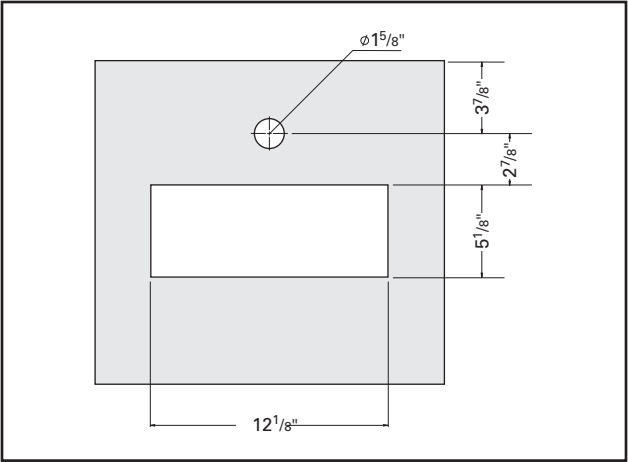
CO₂ Cylinder (Customer supplied) - Size should be selected based on available space. A 20 lb. cylinder is typical.

NOTE: If connecting to a bulk or existing CO₂ system, a CO₂ line terminating at a 1/4" Barbed Shutoff Valve must be available within 40" of the unit with 100 PSI minimum pressure.

DRIP TRAY AND DISPENSING HEAD CUTOUTS (Model V3-205 Only)

Cut out the holes for the Drip Tray and Dispensing Head per the supplied template.

NOTE: The Dispensing Head must be mounted on the work surface directly above the Chiller/Carbonator.



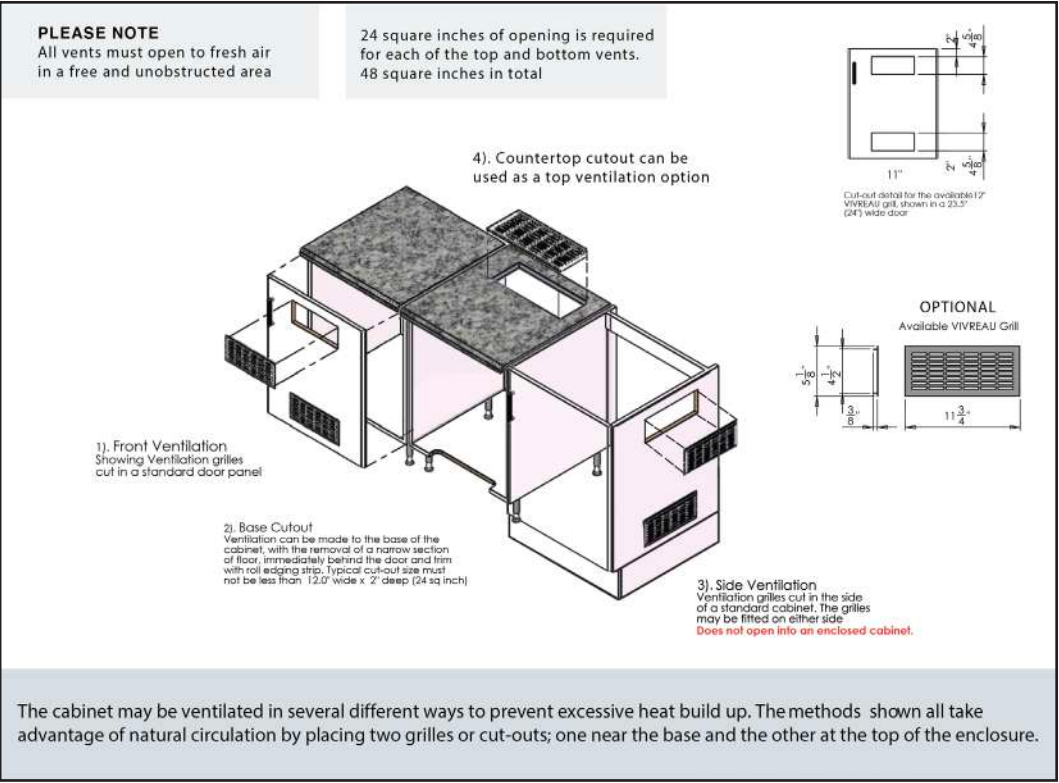
Dispensing Head Dimensions

VENTILATION

If the system is to be installed in an enclosed space or in a cabinet, adequate ventilation must be provided. Countertop units require a 1" minimum clearance on each side for proper ventilation.

⚠ CAUTION Failure to provide adequate ventilation will cause system failure.

This unit is to be installed indoors only.



Ventilation Options

LOCATION OF SERVICES

All services must be accessible for installation and service. Ensure all services are kept within 40" of the V3-204 and V3-205 Dispensing Systems.

Water Shutoff Valve to be located at low level. Ensure there is sufficient room for a 6" long fitting to be connected to the Water Shutoff Valve.

Top of drain should be located between 12" and 18" from floor level.

SHIPPING DAMAGE/MISSING PARTS

Unpack and inspect the unit for shipping damage and/or missing parts. If any damage or missing parts are found, contact **Vivreau Service** Toll-Free at 877-999-1044 and report the missing or damaged parts.

INSTALLER'S CHECKLIST

Below are the services required to be in place prior to the installation of the Vivreau Dispensing System. Please review and check all services before beginning work. If anything is missing or not correct, do not start the installation. Call **Vivreau Service** for instructions at 877-999-1044.

WATER SUPPLY

A potable 1/2" cold water supply terminating in a 1/2" Ball Valve, 1/2" female pipe thread.

IMPORTANT

Ball Valve must be accessible for service and installation.

Any water line or valve less than 1/2" is not acceptable. Must be a direct supply with no other Inline Filters.

ELECTRICAL OUTLET(S)

All Electrical Outlets must be within 40" of unit. No Extension Cords.

Model V3-204 and V3-205

(1) 20 Amp Electrical Circuit (NEMA 5-20R) 120V, 60 Hz (8 Amps)

CO2

CO2 Cylinder (Customer supplied) must fit within the allotted space.

CO2 Cylinder must always remain vertical.

If connecting to a bulk or existing CO2 system, a CO2 line terminating at a 1/4" Barbed Shutoff Valve must be available within 40" of the unit with 100 PSI minimum pressure.

DRIP TRAY AND DISPENSING HEAD CUTOUTS (Model V3-205 Only)

For under-counter units, cut out the holes for the Drip Tray and Dispensing Head per the template.

The Dispensing Head must be mounted on the work surface directly above the Chiller/Carbonator.

The Dispensing Head lines must never be extended.

DRIP TRAY DRAIN (Model V3-205 Only)

Drip Tray must be plumbed to a drain. Customer will need to supply a properly trapped drain according to Federal, State and Local Codes. The drain must be large enough to accommodate a 1" OD flexible pipe.

VENTILATION

If the system is to be installed in an enclosed space or in a cabinet, adequate ventilation must be provided.

CAUTION Failure to provide adequate ventilation will cause system failure.

This unit is to be installed indoors only.

INSTALLATION

IMPORTANT

Installation must be performed by properly trained and qualified persons and comply with Federal, State and Local Codes for connection to electrical supplies, water supplies and pressurized gas systems.

Note: Vivreau cannot be held responsible for any damage caused by improper installation.

LOCATION

A completed Pre-installation Checklist must be available prior to installation. The Vivreau Dispensing System must be installed indoors where the ambient air temperature will not exceed 90°F.

The Vivreau Dispensing System should not be exposed to spills, spray, steam or high humidity.

A suitable location should be chosen within 40" of the electrical and water supply connections.

Vivreau Model V3-204 is designed to be installed with a minimum 1" clearance on the left and right sides.

Allow adequate space in the rear of the unit for connections. This will allow for proper ventilation.

Vivreau Model V3-205 is designed to be installed in an under-counter cabinet with adequate ventilation for component cooling.

Do not obstruct air vents.

Install the system on a firm, level floor or base.

CONNECTIONS

WARNING This unit must be electrically grounded.

ELECTRICAL

Power Supply: 120V 60Hz

Power Supply Connection Type: NEMA 5-20 plug Grounded, with proper circuit protection.

CO2

Mount the CO2 Regulator in a secure location where it will not be subject to damage.

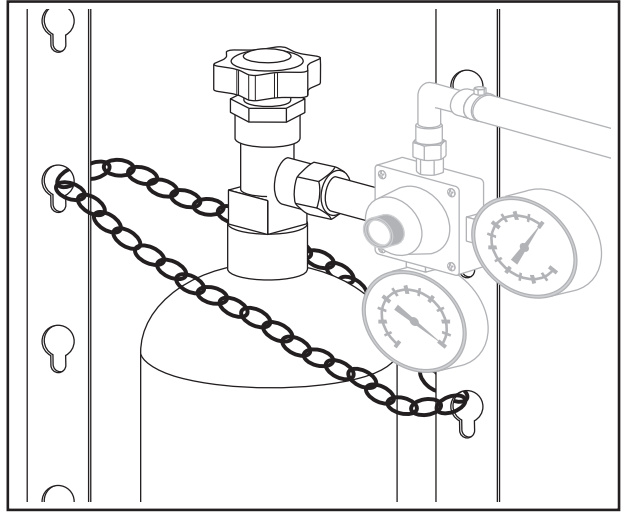
A Cylinder of food-grade CO2 gas is required. Only use non-syphon type Cylinders.

IMPORTANT

Before connecting, with the Cylinder Outlet turned away, open Valve for short blast and close immediately. This will clear any debris from the outlet.

CO2 Cylinder must be installed vertically and secured with a Chain, Strap or Bracket.

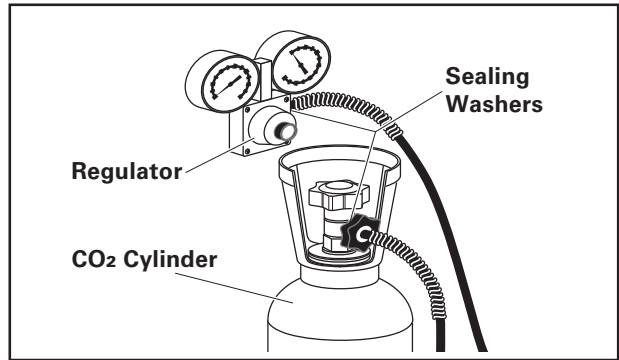
CAUTION CO2 Cylinders should always be secured in the vertical position with the Outlet Valves positioned at the top. This will help prevent injury caused by the entry of liquid Carbon Dioxide into the Pressure Regulator.



CO2 Cylinder Installation

WARNING Never open the Gas Cylinder Valve without the Gas Regulator installed.

Ensure the Sealing Washers are positioned between the Gas Regulator / Regulator Hose and Cylinder and connect the Cylinder.



Sealing Washer Locations

Connect the Regulator to the unit using the supplied Installation Kit. Tighten all connections.

In the event of a CO₂ leak, close the Cylinder Valve, retighten connection(s) and retest. If leak persists, report leak to Vivreau.

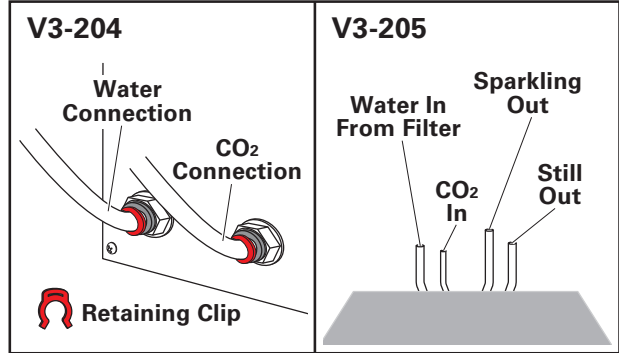
CO₂ Pressure: 65 - 70 PSI. Adjust Regulator as needed.

WATER

The Vivreau V3-204 and V3-205 Dispensing Systems provide back-flow prevention, however, it must be installed with adequate back-flow protection to comply with applicable Federal, State and Local Codes. Additional back-flow prevention must be installed prior to connecting the unit to the water supply.

The water supply to the unit must be cold, potable water with an accessible Shutoff Valve.

Water connection to the supply is 1/2" FNPT. Water Inlet connection to the unit is 3/8" tube. A Retaining Clip must be used to attach the tube to the connection on the unit.



Connecting Water Supply

Insulate the pipe to prevent condensation.
The supply water pressure must be 50 PSI minimum with a minimum flow of 1.5 gal/min. A Booster Pump (for low pressure) or Pressure Regulator (for high pressure) may be required to ensure the pressure.

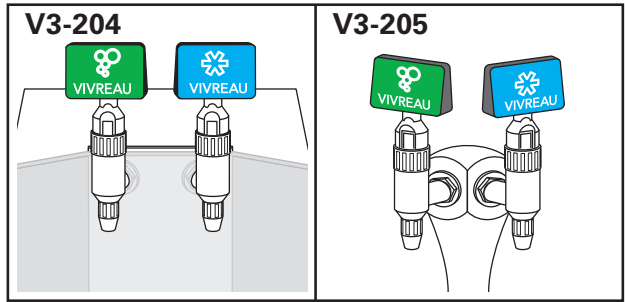
i IMPORTANT

Only connect water supply to the unit after filling the Internal Water Tank with the water supply line.

DISPENSING HEAD

The Dispensing Heads for **Model V3-204** come assembled and connected to the front of the unit.

Assemble and mount Dispensing Heads for **Model V3-205**, making sure Dispensers are tight and straight.



V3-204 and V3-205 Dispensing Heads

COUNTERTOP INSTALLATION (Model V3-204)

Place the unit on a flat, level surface; use adjustable feet to level if necessary.

Position Drip Tray beneath Dispensers.

Mount Filter Head nearby (under-counter cabinet, rear wall, etc.) and secure.

Select a location for the CO₂ Cylinder where it can be secured in an upright position.

UNDER-COUNTER INSTALLATION (Model V3-205)

The Under-Counter Cooler/Carbonator System is intended to be located directly under the Dispensing Head.

The Drip Tray is positioned in the counter under the Dispensing Head and should have lateral play of no more than 1/8".

Dispensing Head Connection Tubes are to be build-up.

connected to the Under-Counter System directly using the Installation Kit supplied by Vivreau.

Adequate ventilation **must** be provided in under-counter installations to prevent excessive heat build-up.

DRIP TRAY DRAIN (MODEL V3-205 ONLY)

Connect flexible hose to Drip Tray Drain Fitting and route to existing drain. Drain should be a Stand-Pipe with a trap, 1.25" diameter.

FILLING THE WATER TANK

⚠ WARNING Disconnect unit from electrical power supply.

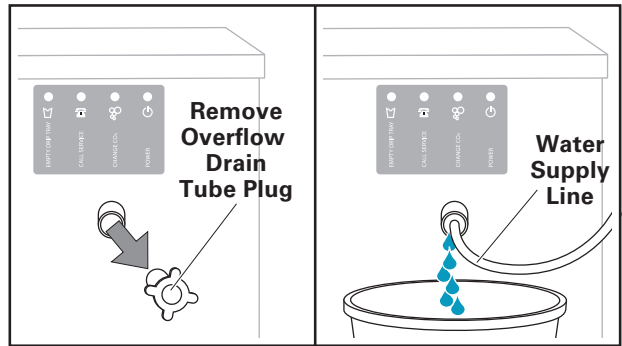
Before making the final water connection to the unit:

Remove the Overflow Plug, located on the Rear Panel on Model V3-204 and Front Panel on Model V3-205.

Prop the side opposite the Overflow Plug up about 1".

Slowly fill the Water Tank using the Water Supply Line.

Catch any water that overflows.



Drain Overflow

Level the unit.

Replace the plug.

Connect Water Supply Line to unit.

Clean up any spills.

⚠ CAUTION Do not leave the Water Hose unattended while filling.

Make sure no water spills onto electrical components.

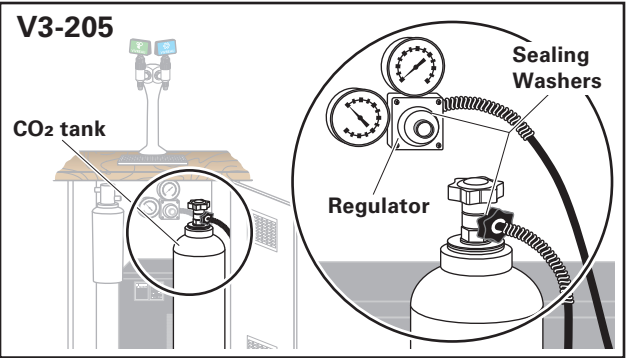
Unless approved by Vivreau, do not use de-ionized water or add any substance to the water.

⚠ CAUTION The installer must stay on site until a full icebank has formed. Water will be displaced and exit from the overflow.

CONNECTING THE CO₂

Ensure both Dispensers are in the closed (UP) position.

Open the units door for access and connect the CO₂ Regulator to the CO₂ Cylinder or bulk system. Ensure the Sealing Washer is used for each connection.



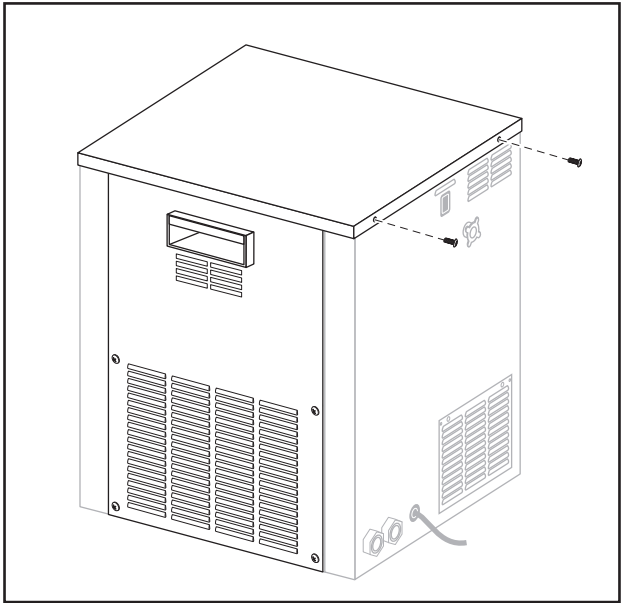
Connect the CO₂ Cyliner

Open the CO₂ Cylinder Valve or turn ON bulk CO₂ supply and check for leaks.

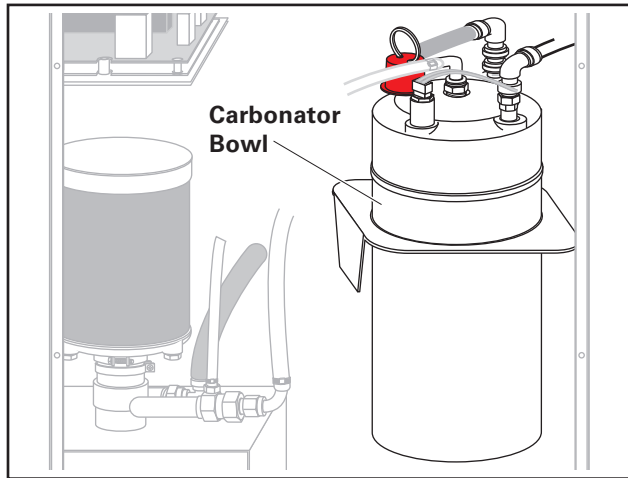
Set Regulator Pressure to 65 - 70 PSI.

CARBONATOR BOWL ACCESS

To access the Carbonator Bowl, remove the two (2) Screws across the rear of the Top Panel and remove panel.

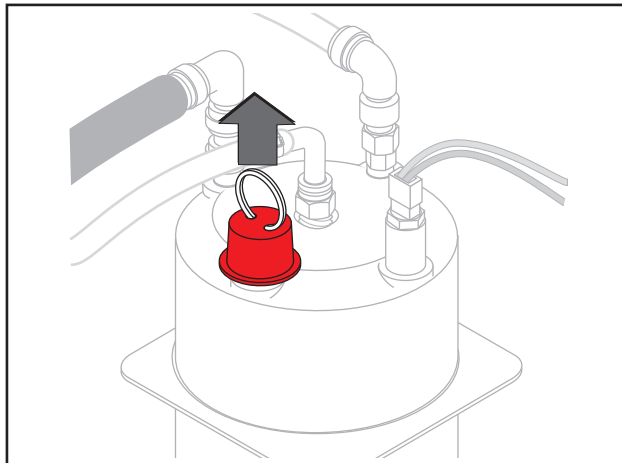


Top Panel Removal s



Carbonator Bowl Location

Vent the Carbonator Bowl for two (2) seconds. To do this, lift the Carbonator Relief Valve located on the Carbonator Bowl.



Carbonator Relief Valve Location

Make sure adequate Water Supply Pressure of 50 PSI minimum is present.

Connect the water supply to the Inlet Fitting on the rear of the unit.

Secure with a Retaining Clip, and turn ON the water.

Replace Back and Service Panels, Clamp and Panel Screws.

Plug in the Power Cord to the electrical outlet.

Proceed with sanitizing the water system. Follow Vivreau Sanitizing Process Instructions.



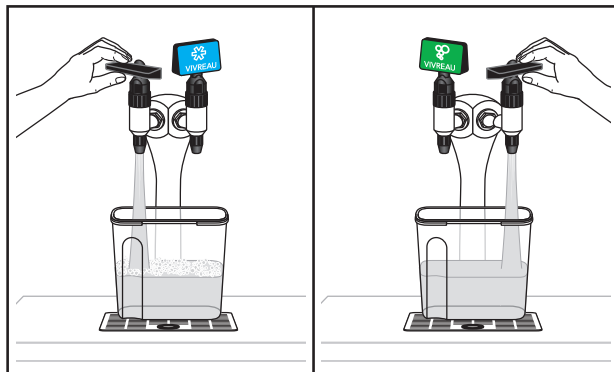
IMPORTANT

The Sanitizing and Filter Change Procedure should only be performed by qualified and authorized personnel.

After sanitizing, unplug unit. Remove Back and Service Panel, and install the normal service Filter Cartridge.

Reinstall Back and Service Panels and plug in unit.

Dispense two (2) gallons of water through each Dispenser, Still and Sparking, to flush all Sanitizing Solution from system.



Flushing the Sanitizing Solution
(Model V3-205 Shown)

Taste test samples from each Dispenser. Continue to flush, if needed.

unit is ready for service.

Fill out Installation Checklist and return to Vivreau..

Operating Instructions

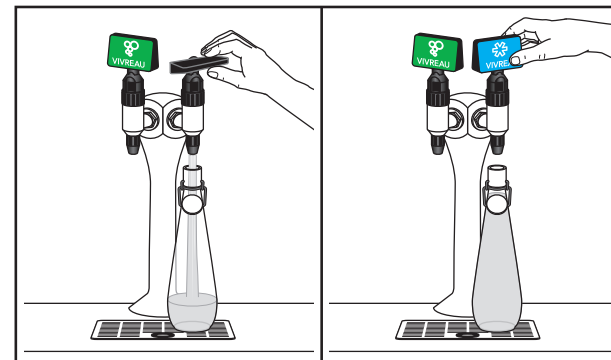
DISPENSING

Before operating either the Vivreau V3-204 or V3-205 Dispensing System, make sure the Water Supply Valve is open and the unit is plugged in.

Place appropriate container on Drip Tray beneath Dispensing Head.

Chilled Still Water

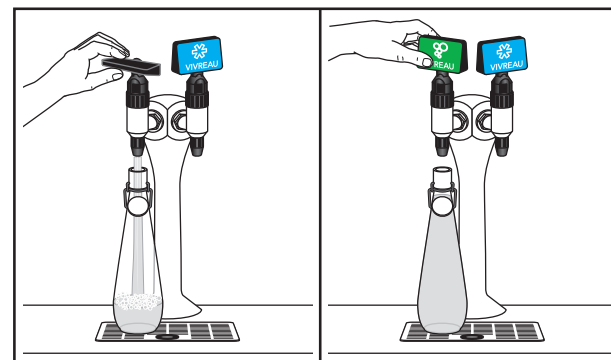
Pull DOWN on Blue Dispenser Handle. Push Dispenser Handle UP when full.



Dispensing Chilled Still Water (Model V3-205 Shown)

Chilled Sparkling Water

Pull DOWN on Green Dispenser Handle. Push Dispenser Handle UP when full.



Dispensing Chilled Sparkling Water
(Model V3-205 Shown)

The Dispenser Handles should be fully opened when filling and fully closed when filling is complete.



IMPORTANT

Do not allow the Dispenser Handles to slam shut.

The Dispenser Handles must be closed after each Bottle is filled.

The Vivreau V3-204 and V3-205 Dispensing Systems are designed to fill Bottles of up to one (1) liter, one Bottle at a time.

Vivreau Bottles should be filled to the line in the neck just below the Cap.



IMPORTANT

Sparkling Water requires room for the CO₂ gas to expand.

At the end of service, remove the Black Dispenser Nozzles and soak in Sanitizing Solution.

The Dispensers and unit should be wiped down with Sanitizing Solution to keep the Dispensing System clean and in hygienic condition.

Once the unit is wiped down and Nozzles removed, both Dispensers **must** be wrapped in plastic wrap to prevent contamination and misuse while not in service.

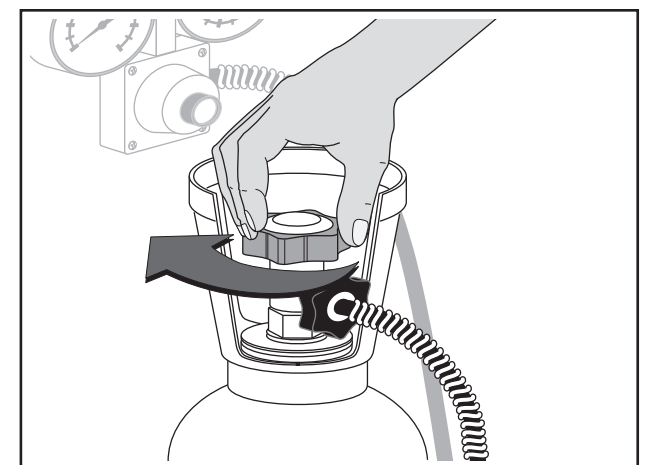
To return the Vivreau V3-204 or V3-205 Dispensing System to service, remove all plastic wrap and rinse Dispenser Nozzles.

Reinstall the Nozzles into the Dispenser Head.

CHANGING A CO₂ CYLINDER

⚠ WARNING Wear protective gloves and safety glasses when changing CO₂ Cylinders.

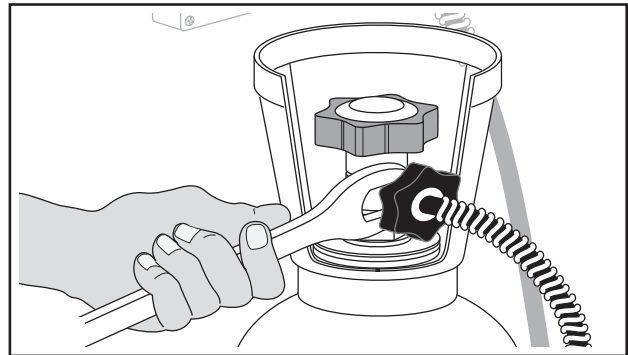
Close the Valve on top of the empty Cylinder.



Close Empty Cylinder Valve

Using the proper wrench, loosen the Nut on the Cylinder to disconnect the High-Pressure Hose or Primary Regulator. Allow residual gas to escape from the hose.

⚠️ WARNING The line is pressurized. Pressure will be released while performing this procedure. Handle carefully.



Disconnect High-Pressure Hose

Place the Regulator within safe reach.

SECURE CYLINDER

Move empty Cylinder to storage area and secure safely.

Remove the plastic plug or tape from the new full Cylinder outlet and discard it.

i IMPORTANT

To avoid confusion, do not replace plastic plugs in the outlet of empty CO₂ Cylinders.

⚠️ WARNING Wear protective gloves and safety glasses when purging Cylinder. Be sure to point the Cylinder outlet away from your body.

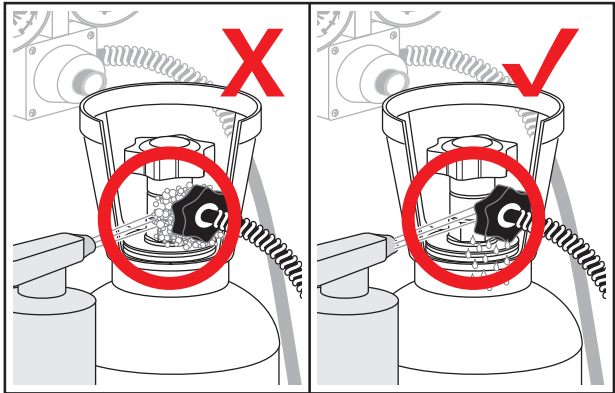
Purge the replacement Cylinder by quickly opening and closing the Valve on top to clear any dust or moisture from the outlet.

Connect the High-Pressure Hose or Primary Regulator. Make sure the Sealing Washer is seated correctly.

Tighten the Nut firmly using a wrench.

Open the Valve on top of the Cylinder.

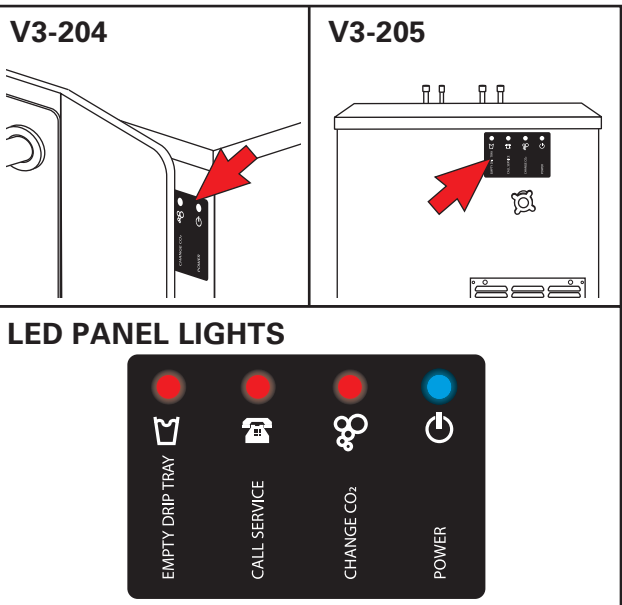
Check for leaks using a solution of soapy water or a commercial equivalent.



Checking for Leaks

LED DISPLAY PANEL

The LED Display Panel indicates the status of the unit and is located on the front panel of the unit.



LED Display Panel Location and Lights

POWER: When the Dispensing System is plugged in and turned ON, a Blue LED will be illuminated.

CHANGE CO₂: When the CO₂ supply is low, a Red LED will illuminate and the unit will beep; alerting you to change the CO₂ Cylinder.

CALL SERVICE: If there is a problem, a Red LED will illuminate and the unit will beep. Please contact **Vivreau Service** Toll-Free at 877-999-1044 immediately.

EMPTY DRIP TRAY (Not Activated on this unit): When the Drip Tray Container is FULL, a Red LED will illuminate and the unit will beep; alerting you to empty the Drip Tray Container located just inside the cabinet front door or below the Dispensing System.

Maintenance

MAINTENANCE RECOMMENDATIONS

Keep the unit at peak efficiency by performing all scheduled maintenance procedures that are recommended by the manufacturer. Proper maintenance will allow the best performance and a longer working life.

⚠️ WARNING Before performing any service procedure, perform all safety procedures. In particular, turn OFF the water supply, disable the electricity at the main circuit breaker and prevent access to all devices that might cause unexpected health and safety hazards if turned ON.

⚠️ WARNING Before performing any service that involves electrical connection or disconnection and/or exposure to electrical components, ALWAYS follow the Electrical LOCKOUT/TAGOUT Procedure. Disconnect all circuits. Failure to comply can cause property damage, injury or death.

At the end of each day or whenever necessary, be sure to clean:

- Dispensing Head/Nozzle
- Drip Tray
- The surrounding work area

Every year, have skilled, authorized personnel perform the following operations:

- General check of the unit
- Identify and replace worn parts

i IMPORTANT

Record all yearly inspections.

i IMPORTANT

Contact the factory, the factory representative or an authorized service agent to perform maintenance and repairs.

ELECTRICAL LOCKOUT/TAGOUT PROCEDURE

⚠️ WARNING Before performing any service that involves electrical connection or disconnection and/or exposure to electrical components, ALWAYS follow the Electrical LOCKOUT/TAGOUT Procedure. Disconnect all circuits. Failure to comply can cause property damage, injury or death.

The Electrical LOCKOUT/TAGOUT Procedure is used to protect personnel working on an electrical unit. Before performing any maintenance or service that requires exposure to electrical components, follow these steps:

In Electrical Box, place unit Circuit Breaker into OFF position.

Place a lock or other device on the Electrical Box Cover to prevent someone from placing Circuit Breaker in the ON position.

Place a tag on Electrical Box Cover to indicate that unit has been disconnected for service and power should not be restored until tag is removed by maintenance personnel.

Disconnect the unit's Power Cord from Electrical Outlet.

Place a tag on the Power Cord to indicate that the unit has been disconnected for service and power should not be restored until tag is removed by maintenance personnel.

STAINLESS STEEL CARE

Cleaning

Stainless steel contains 70-80% iron, which will rust if not properly maintained. It also contains 12-30% chromium, which forms an invisible passive, protective film that shields against corrosion. If the film remains intact, the stainless steel will remain intact. However, if the film is damaged, the stainless steel can break down and rust. To prevent stainless steel breakdown, follow these steps:

⚠CAUTION Never use any metal tools. Scrapers, files, wire brushes or scouring pads (except for stainless steel scouring pads) will mar the surface.

⚠CAUTION Never use steel wool, which will leave behind particles that rust.

⚠CAUTION Never use acid-based or chloride-containing cleaning solutions, which will break down the protective film.

⚠CAUTION Never rub in a circular motion.

⚠CAUTION Never leave any food products or salt on the surface. Many foods are acidic. Salt contains chloride.

For routine cleaning, use warm water, mild soap or detergent and a sponge or soft cloth.

For heavy-duty cleaning, use warm water, a degreaser and a plastic, stainless steel or Scotch-Brite pad.

Always rinse thoroughly.

Always rub gently in the direction of the steel grain.

Preserving & Restoring

Special stainless steel polishing cleaners can preserve and restore the protective film.

Preserve the life of stainless steel with a regular application of a high quality stainless steel polishing cleaner as a final step to daily cleaning.

If signs of breakdown appear, restore the stainless steel surface. First, thoroughly clean, rinse and dry the surface. Then, on a daily basis, apply a high-quality stainless steel polish according to manufacturer’s instructions.

Heat Tint

Darkened areas, called heat tint, may appear on stainless steel exposed to excessive heat, which causes the protective film to thicken. It is unsightly but is not a sign of permanent damage.

To remove heat tint, follow the routine cleaning procedure. Stubborn heat tint will require heavy-duty cleaning.

To reduce heat tint, limit the exposure of equipment to excessive heat.

DAILY CLEANING

The Vivreau V3-204 and V3-205 Dispensing Systems should be cleaned once a day.

Vivreau recommends using disinfectant spray or a sanitizing wipe for cleaning.

If the Dispensing Head becomes soiled with coffee, tea, milk, etc., clean with hot soapy water using a non-abrasive cloth.

Clean the Drip Tray Cover and inside the Drip Tray using either disinfectant spray (non-chlorine) or hot, soapy water and non-abrasive cloth.

Keep area around the unit clean and sanitized.

Vivreau V3-204 and V3-205 Dispensing Systems equipment in the under-counter area should be kept free of dust; the ventilation should not be obstructed restricting free air flow around the equipment.

The Vivreau V3-204 and V3-205 Dispensing Systems Nozzles should be removed daily and cleaned with hot soapy water and a non-abrasive cloth.

After completing all cleaning tasks, dispense water for at least 10 seconds to flush through the Nozzle.

DO NOT use any abrasive material on your Vivreau V3-204 or V3-205 Dispensing System.

SERVICE INFORMATION

The CO₂ Cylinder is located inside the cabinet door.

i IMPORTANT

Maintenance and repairs must only be performed by qualified and trained personnel and comply with Federal, State and Local Codes for connection to electrical supplies, water supplies and pressurized gas systems.

⚠WARNING Always electrically disconnect the Vivreau system before removing covers or carrying out any work.

i IMPORTANT

If the unit malfunctions, develops a leak, sustains physical damage or component failure, UNPLUG THE POWER CORD.

If any maintenance or service is required, refer to the troubleshooting chart, wiring diagram and exploded parts drawings contained in this manual.

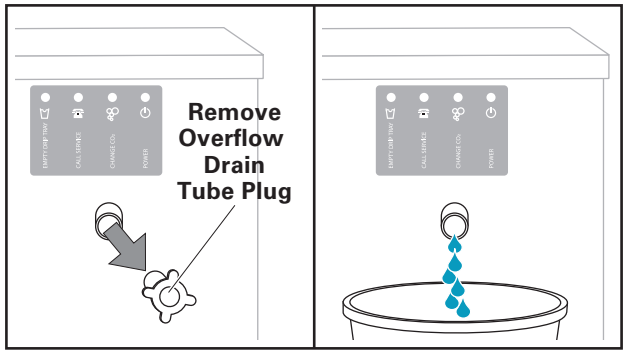
i IMPORTANT

Only use Vivreau recommended spare parts for cooler maintenance. Failure to do so will invalidate cooler approvals and warranty.

MAINTENANCE

Chiller Unit

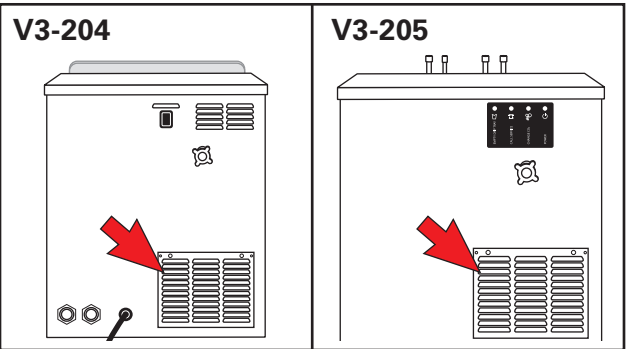
Check that the Water Level in the Tank is up to the Overflow Plug. Tip unit, if necessary, to observe the Water Level.



Check Water Level

CONDENSER GRILLE

The Cooling System Condenser Grille should be cleaned regularly, a minimum of every three (3) months, with a vacuum cleaner or soft brush to ensure the equipment can breathe. The Condenser is located on the front of the unit behind the cabinet door.



Condenser Grille Location

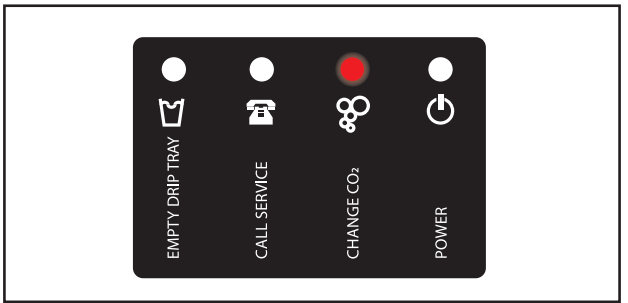
CARBONATOR PUMP PROTECTION

i IMPORTANT

The Carbon Vane Pump located on the Carbonator Motor should never be run dry. This will cause permanent damage to the unit.

To reduce this risk, the Controller has a timer circuit that will automatically turn OFF the Motor and Solenoid after running continuously for approximately two (2) minutes.

If there is a problem, a Red LED will illuminate and the unit will beep. Please contact **Vivreau Service** Toll-Free at 877-999-1044 immediately.



LED Display Panel CALL SERVICE

WATER FILTRATION

Replace the Water Filter after 25,000 gallons or every 6 months of use, whichever comes first.

Follow ALL Sanitizing and Filter Change Procedures.

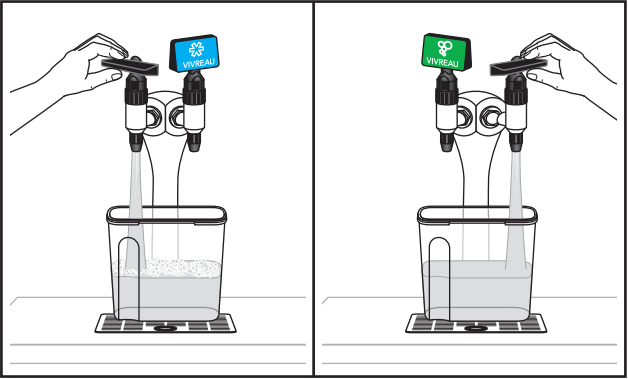
SANITIZING AND FILTER CHANGE

- ⚠WARNING** Make sure Do Not Use sign is displayed throughout the entire sanitation process.

⚠WARNING Always wear safety glasses while handling the sanitizing chemicals.

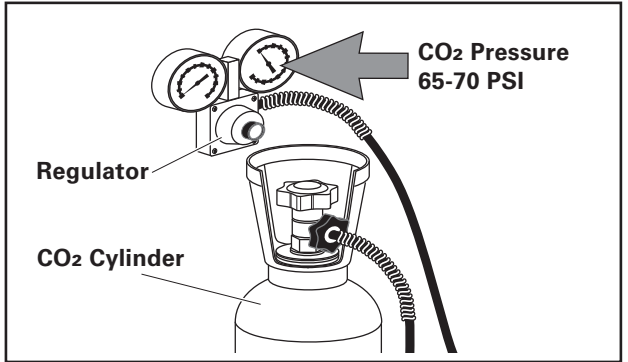
Turn the main Water Supply OFF and unplug the Power Cord.

To drain both Still and Sparkling Water, pull down the Blue and Green Dispensing Handles until the water stops.



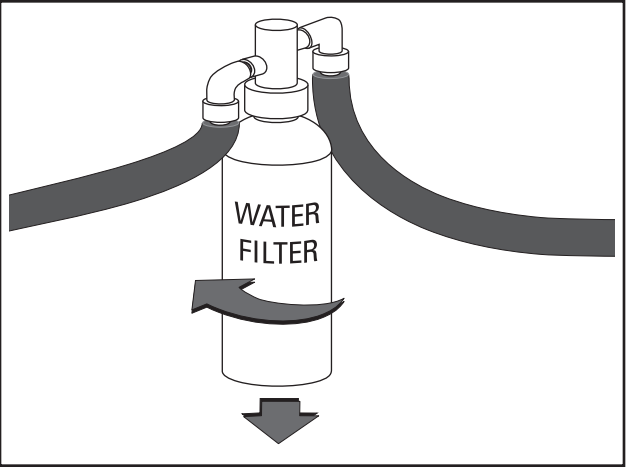
Pull Down to Drain Still and Sparkling Water
(Model V3-205 Shown)

Confirm the proper CO₂ Pressure, 65 - 70 PSI, at the Regulator and adjust if necessary.



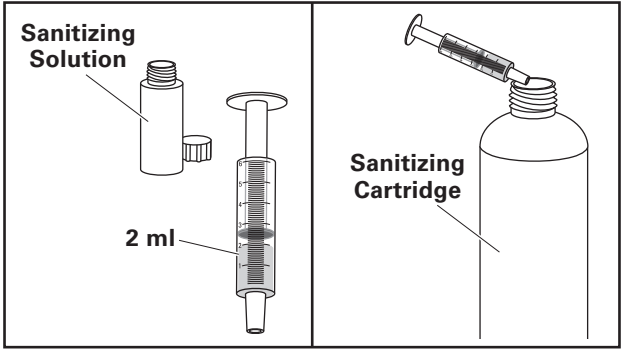
Confirm CO₂ Pressure

Remove the old Filter Cartridge by turning counter-clockwise and pulling down.



Remove Old Water Filter

Using the supplied Syringe, fill Sanitizing Cartridge with 2ml (about 1/2 teaspoon) of Sanitizing Solution and insert Sanitizing Cartridge into Filter.



Insert Sanitizing Solution

Turn the water supply back ON.

Pull down the Blue Still Dispenser Handle and dispense water until the Sanitizing Solution appears. Push up on the Dispenser Handle to stop.

Plug in the Power Cord and allow the Carbonator to cycle completely.

Unplug the Power Cord.

Pull down the Sparkling Water Dispenser Handle until Sanitizing Solution is dispensed. Leave Sanitizing Solution in the lines for at least 10 minutes.

Check all fittings and connections for leaks.

Clean and wipe the entire system with a soft cloth using anti-bacterial spray; you can also use disposable sanitizing wipes. Pay close attention to the Drip Tray and inside the Drip Tray; remove any scale deposits found.

Clean Condenser Grille with a soft brush and remove any dust or grease.

When the sanitizing time has elapsed, turn the Water Supply OFF and drain the Still Water from the Dispensing Head until the water stops.

Remove Sanitizing Cartridge and install a new Filter.

Turn Water Supply ON and dispense at least five (5) gallons of Still Water or until the water is clear and free of any Sanitizing Solution.

Pull down the Green Sparkling Dispenser Handle and flush until water stops and only CO₂ gas is dispensed.

Plug in the Power Cord and allow the Carbonator to cycle completely.

Unplug the Power Cord.

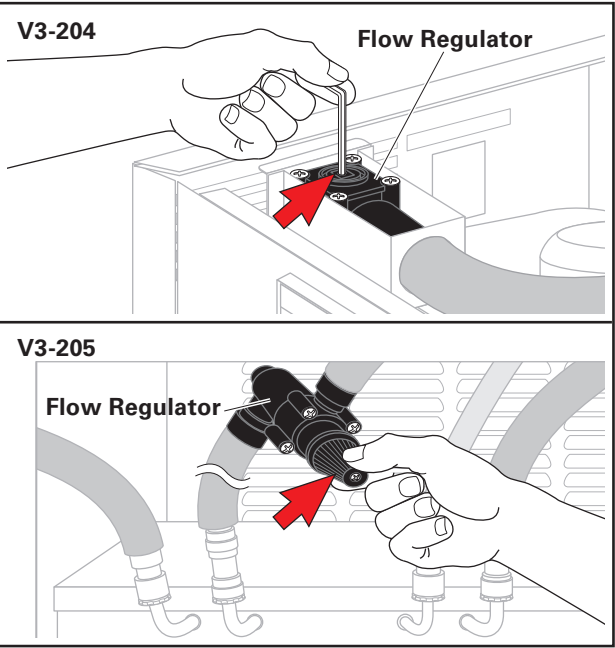
Pull down the Green Sparkling Dispenser Handle again until just CO₂ gas is dispensed. Repeat this process at least four (4) times to ensure all of the Sanitizing Solution has been flushed out.

Plug in Power Cord.

Make sure the Refrigeration System is operating properly.

Check the Sparkling Water flow-rate. It should dispense one liter in 20 seconds.

Adjust the flow regulator if needed.



Flow Regulator Adjustment

Replace all panels

Before putting the Vivreau Dispensing System back into service, taste test both the Still and Sparkling water. If any residual taste, continue flushing and retest.

Remove the DO NOT USE Sign and carefully inspect the water system for leaks.

The Vivreau Dispensing System is ready for use.

i IMPORTANT

Make sure to complete the Vivreau Service Checklist recording all information required.

Cleaning Schedule			
Component	Task	Frequency	Personnel
Dispensing Head/Nozzle	Clean and Sanitize	Daily	End-User
Drip Tray	Drain, Clean	Daily	End-User
CO ₂ Cylinder	Fill Level	Weekly	End-User
	Replace	As Needed	End-User
Chiller Condenser Grille	Clean, Degrease	Weekly	End-User
Chiller Exterior	Clean	Weekly	End-User
Water Filter	Replacement	Twice Yearly	Authorized Service Dealer

CLEANING THE DISPENSER NOZZLES

The Vivreau V3-204 and V3-205 Dispensing Systems are equipped with removable Nozzles for ease of cleaning and sanitizing.

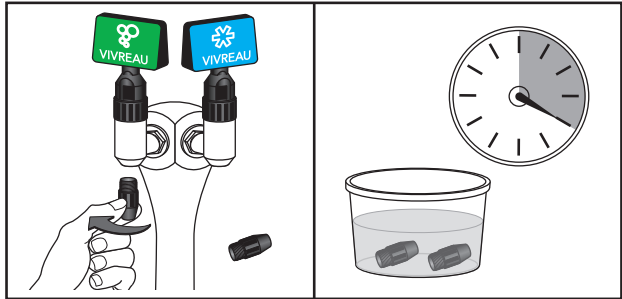
i IMPORTANT

The Nozzles must be cleaned separately in Sanitizing Solution.

⚠ WARNING Wear protective gloves when handling Sanitizing Solution.

Fill a small container with Sanitizing Solution.

Unscrew the Nozzle.



Dispensing Nozzles (Model V3-205 Shown)

Submerge Nozzle and cover in Sanitizing Solution.

Soak for a minimum of 4 hours.

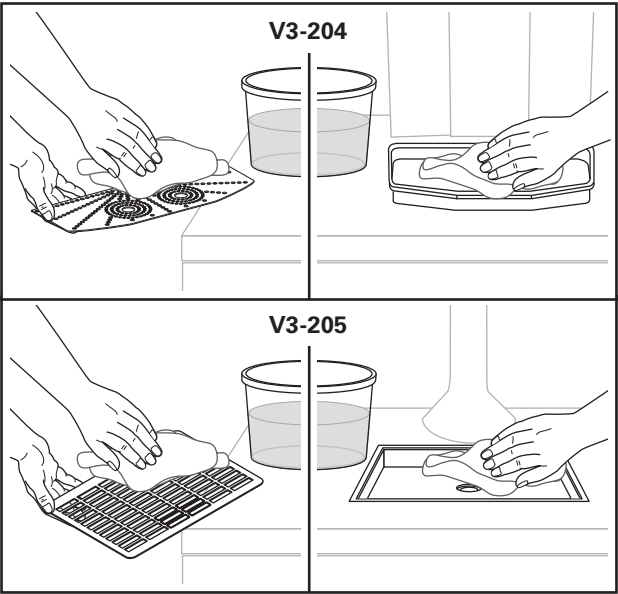
Remove parts from Sanitizing Solution and rinse thoroughly.

Re-install sanitized Nozzles.

Wipe external surfaces of Dispenser Handles.

CLEANING THE DRIP TRAY

Lift Drip Tray Lid from unit.



Clean the Drip Tray

Wipe top and bottom of Drip Tray Lid with a clean cloth and Sanitizing Solution.

Wipe interior of Drip Tray with a clean cloth and Sanitizing Solution.

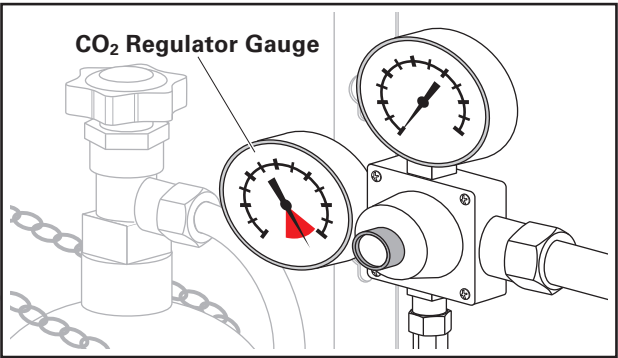
Replace Drip Tray Lid.

INSPECTING THE CO₂ CYLINDER

Open the Front Door and inspect the CO₂ Regulator Gauge.

Make sure Cylinder Valve is open.

If the CO₂ Cylinder is nearly empty, the Needle on the Gauge will be in the Red Zone.



CO₂ Regulator Gauge

Replace Cylinder if needed.

CLEANING THE COOLING SYSTEM CONDENSER GRILLE

The Cooling System Condenser Grille is located on the front of the unit.

⚠ CAUTION Condenser Grille must be kept clean to allow proper cooling of components. Unit damage will occur due to overheating!

The Cooling Fins **must not** be blocked and **must** maintain a minimum distance of 4" to other objects.

Never cover the Cooling Fins.

Never place objects in front of the Cooling Fins.

Clean the Cooling Fins with a suitable brush or with a vacuum cleaner.

Degrease with a soft cloth sprayed with degreaser.

⚠ CAUTION Never spray degreaser or any other liquid into the Condenser Grille.

EXTERIOR CLEANING

Wipe all surfaces with a soft cloth and non-abrasive cleaner.

i IMPORTANT

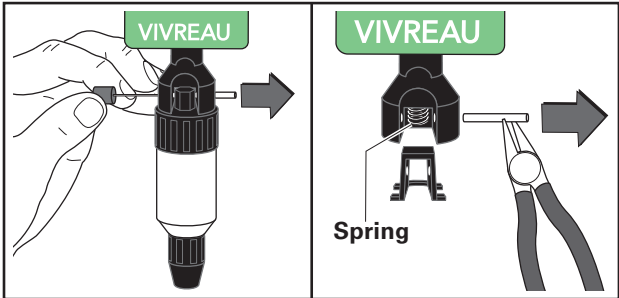
Never use abrasive cleaners to clean the equipment.

DISPENSER HANDLE ASSEMBLY CLEANING

Disassembly

Use Drift Pin to push the Roll Pin from the Dispenser Handle

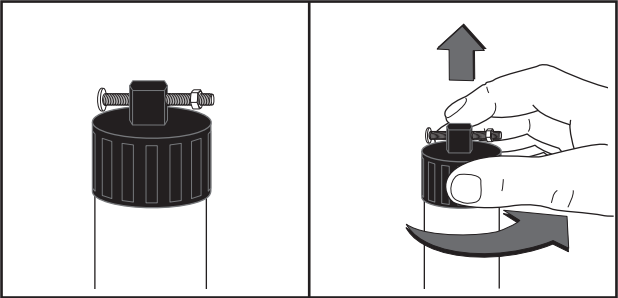
Remove the Roll Pin using pliers. Remove Dispenser Handle.



Removing Roll Pin and Dispenser Handle

Secure with Screw and Nut to ensure it stays together.

Rotate the top counter-clockwise. Remove Assembly up from Dispenser Body.



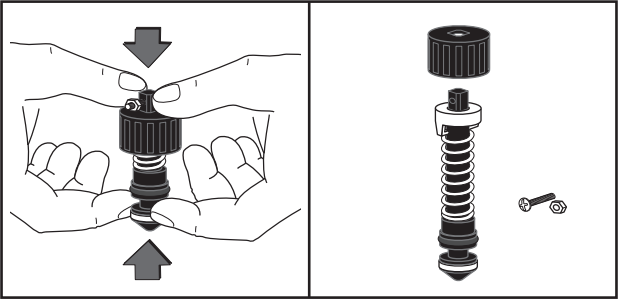
Secure with Screw and Nut and Rotate Top Counter-Clockwise

i IMPORTANT

Wrap the metal Dispenser Body with plastic film to prevent dirt from entering.

Press Dispenser Collar down firmly.

Remove Screw and release spring pressure gently.



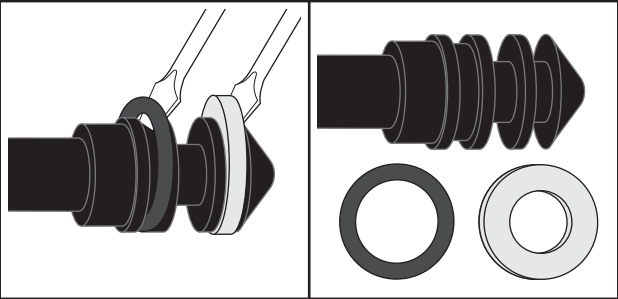
Dispenser Collar and Screw Removal

REMOVING THE SEALS

With a flat edged tool, pry the Seal from groove.

Remove Seal from groove.

Replace the Seal, if damaged.

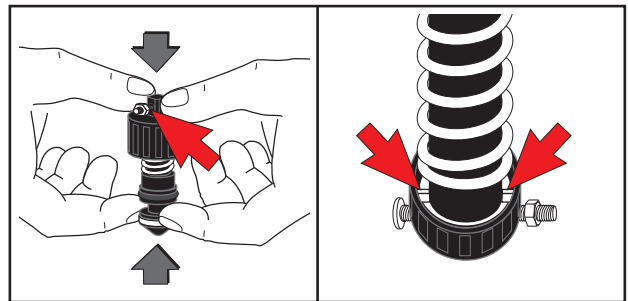


Pry and Remove Seals from Groove

Reassemble the Dispenser

Press Dispenser Collar down firmly, reinsert screw and release the spring pressure gently.

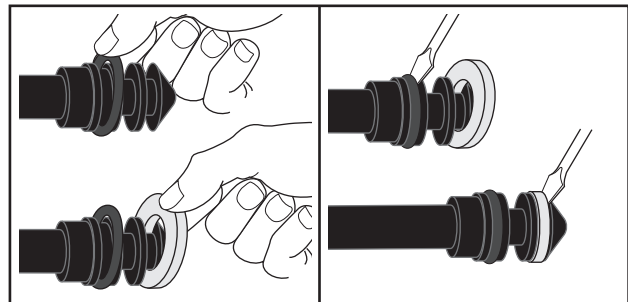
Alignment of the dimple and hole illustrated by the position of the Screw.



Dimple and Hole Alignment

Gently feed into position and then work the remainder around the piston into groove.

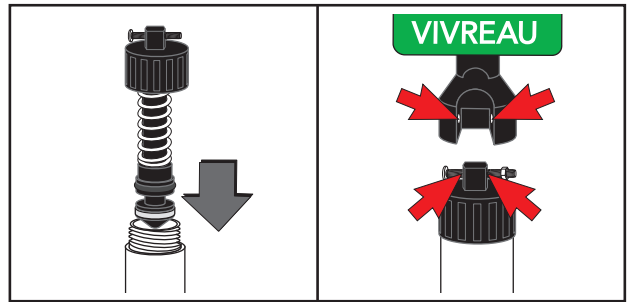
Use a flat edged tool to ensure the Seal is located correctly.



Position Seal with Flat Edged Tool

Reassemble Piston to Dispenser Body.

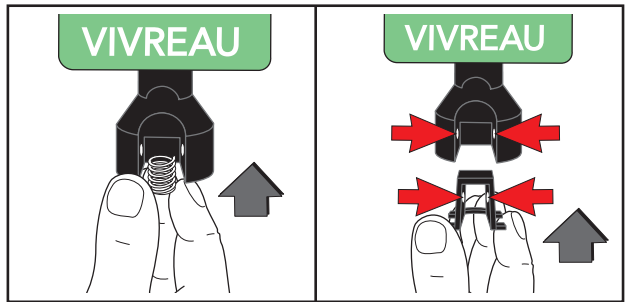
Screw the Cap onto the body. Ensure the Screw is positioned properly to allow internal components to align.



Reassemble Piston and Cap

Insert spring in Dispenser Handle.

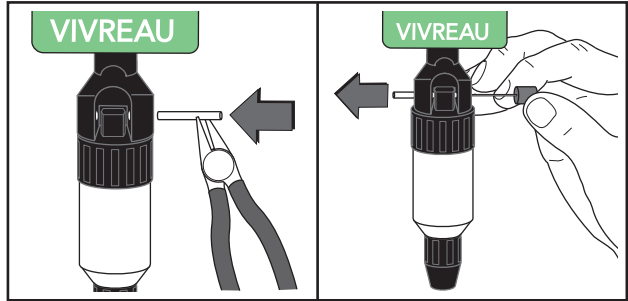
Push in Plastic Insert and position with Screw.



Insert Spring and Position Plastic Insert

Position Dispenser Handle and align holes.

Drive Roll Pin back into position.



Dispenser Handle Roll, Pin In Position

Troubleshooting

The information provided in this section is intended to assist in the identification and correction of any irregularities and malfunctions which might occur during operation.

i IMPORTANT

Maintenance and repairs must be carried out by properly qualified and trained personnel only.

Always switch OFF and unplug the equipment before performing any service or repair procedures.

CHILLER/CARBONATOR SYSTEM

Problem	Possible problem	Possible cause	Action
Water will not dispense	Water frozen in Coil	Ice bank too large	Replace
		Faulty ice bank control	
		Poorly positioned/ faulty Ice Sensor	Re-position/Replace Ice Sensor
No sparkling water	Water Pump or Motor failure	Pump or Motor failure	Replace Pump or Motor
	Unit not switched ON	Turned OFF	Turn on to activate the carbonation system
	Water Inlet Valve	Faulty	Replace Valve
	Controller timed out	Leak in system or too much water dispensed in a short period	Check for leaks before re-setting Controller – Achieved by interrupting the electrical supply
	CO ₂ alarm sounds	Low or no CO ₂ supply	Replace CO ₂ supply
		Faulty Pressure Switch	Replace Switch
	No dispense	Fuse blown	Check and replace
		No electrical supply	Check and resolve
Water warm	Reduced ice weight or long time to form ice	Faulty ice bank control	Replace (taking care to not damage the Sensor Bulb)
		Fuse blown	Check and replace
		No electrical supply	Check
		Refrigeration system failure	Replace base unit
		Poor condenser cooling	Check clearance around Cooler and Fan Motor operation. Check Condenser and clean if necessary
		Insufficient water in Tank	Top off water level
	Poor agitation of water onto Cooling Coils	Supply voltage out of specification	Check and resolve
		Motor failure	Replace Motor/Pump
		Motor Impellor failed	Replace
		Excessive algae growth in Tank	Clean Tank and Coil outer surface

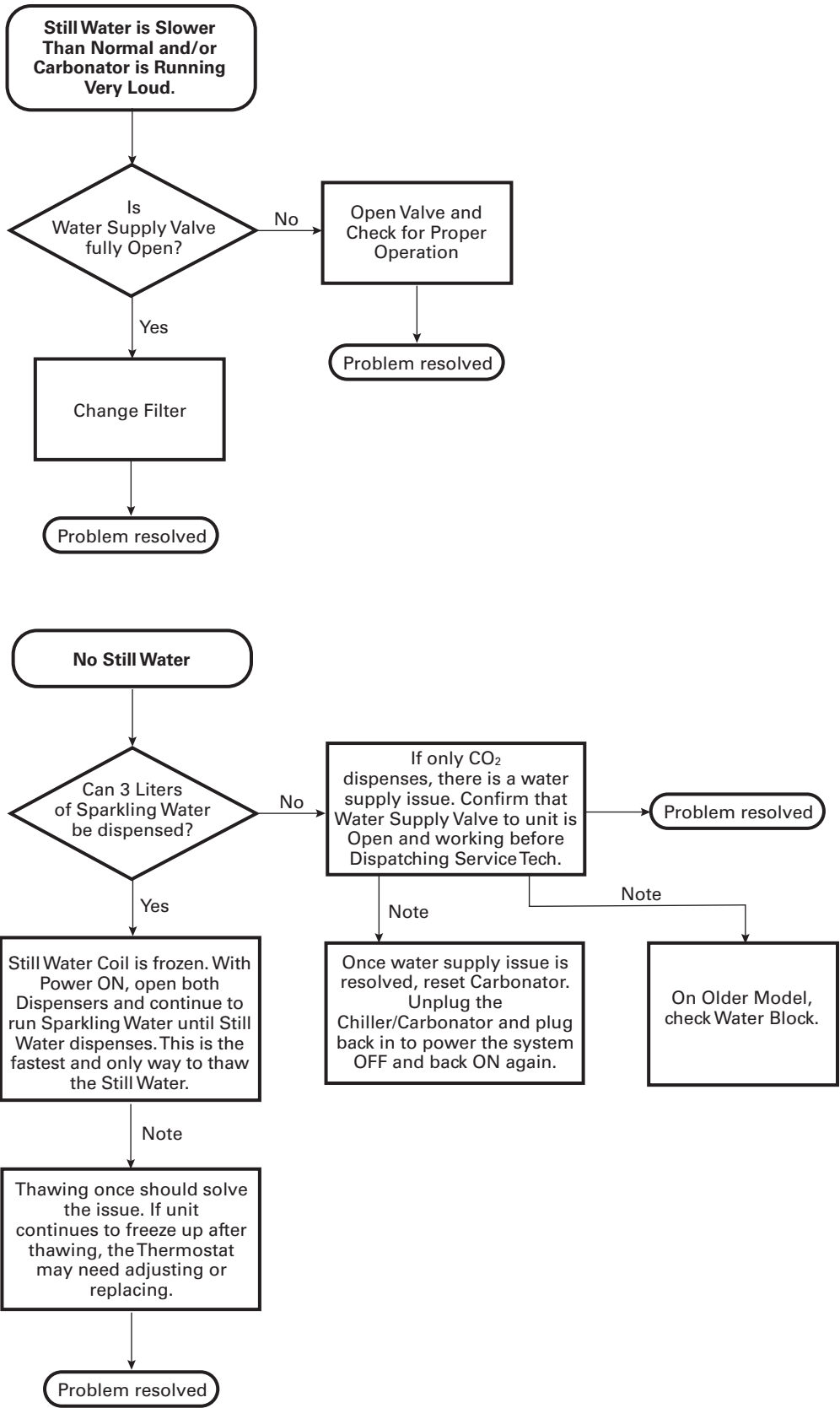
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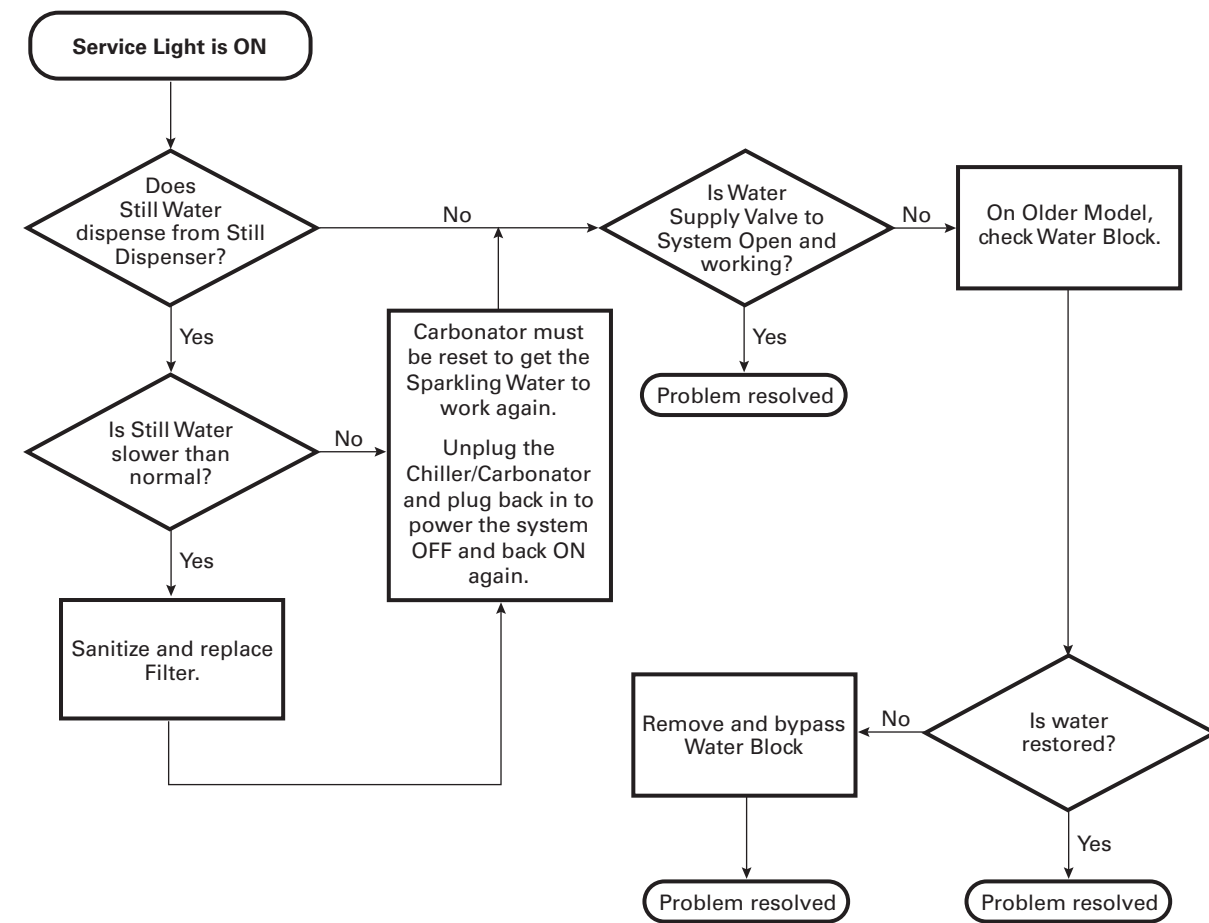
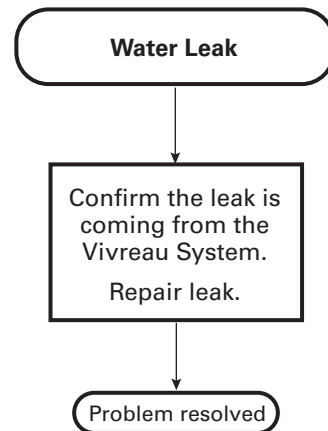
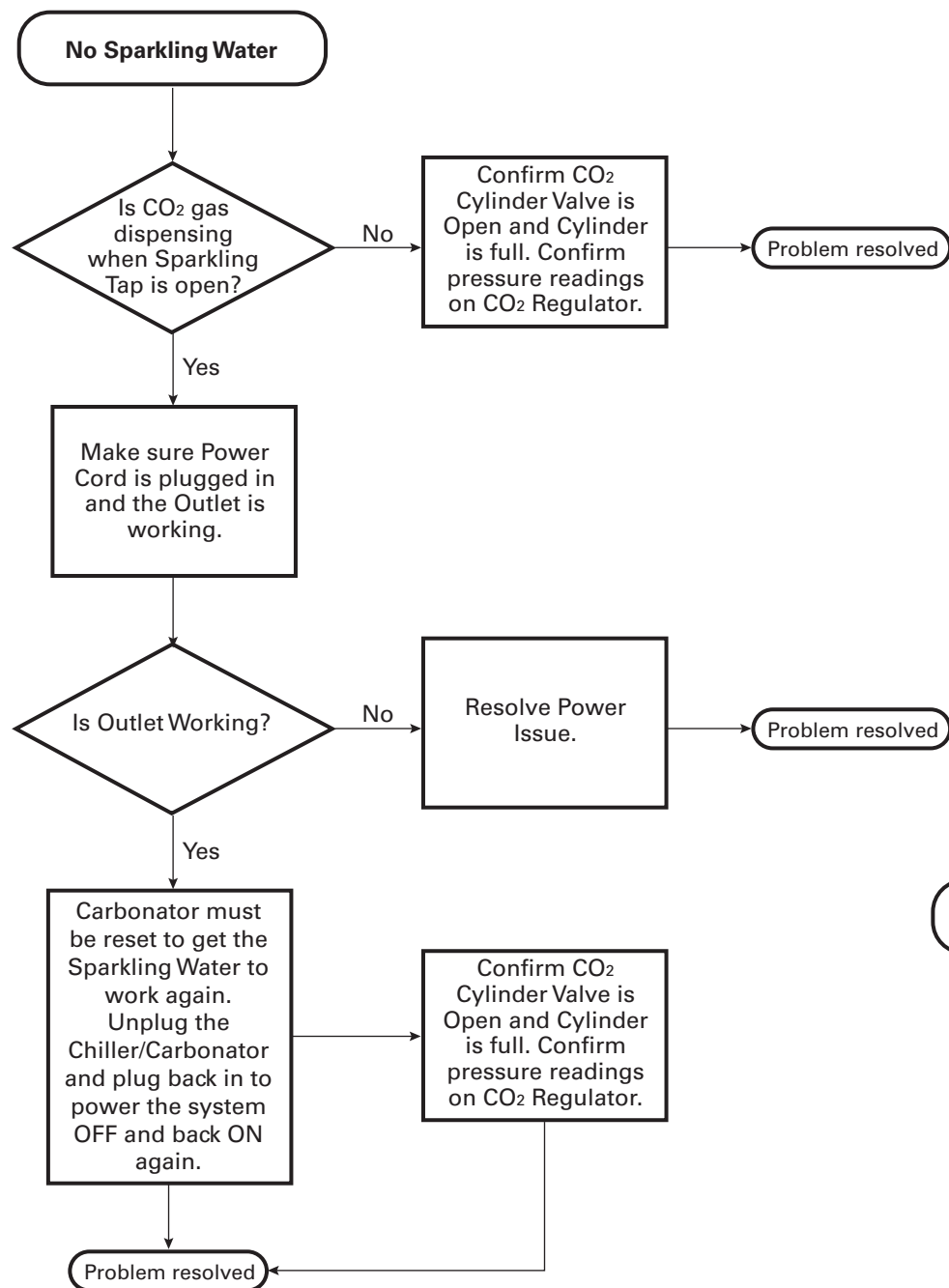
CHILLER/CARBONATOR SYSTEM (continued)

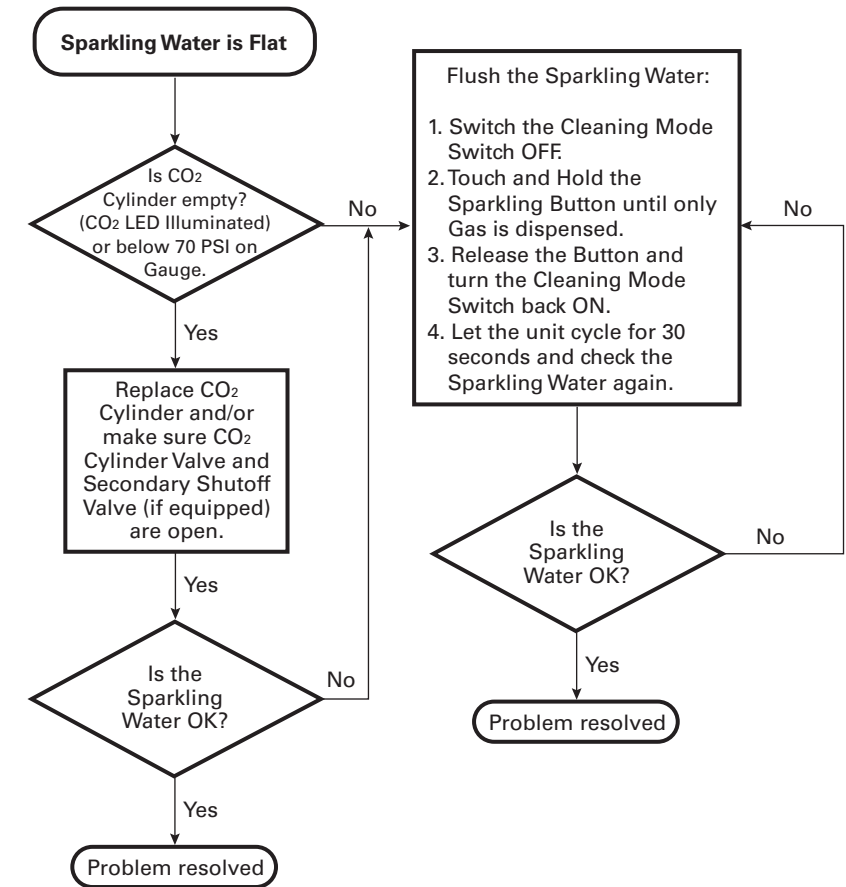
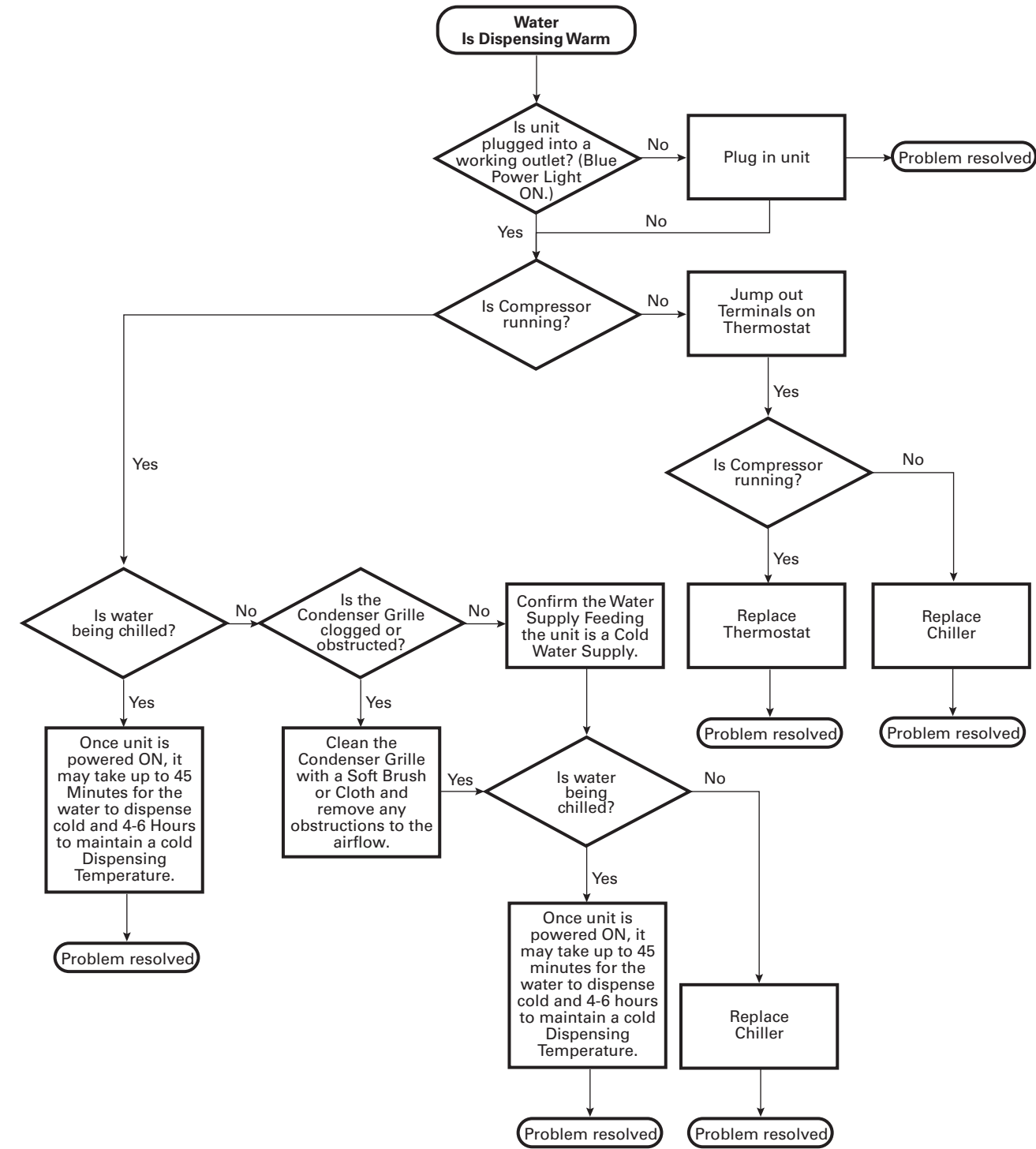
Problem	Possible Problem	Possible Cause	Action
CO ₂ volume too low	CO ₂ pressure too low	Regulator set incorrectly	Reset CO ₂ Regulator
	Water warm	Refer to 'Water warm' section	Refer to Water warm section
	Air in Carbonator	System not purged during connection	Vent Carbonator for five (5) seconds
	No CO ₂	Cylinder empty	Reconnect to a new Cylinder
		Regulator or Cylinder Valve closed	Ensure both are open
Dispensing Head leaking	CO ₂ pressure too high	Regulator set incorrectly	Reset CO ₂ Regulator
		Dispensing Head Seals blown out of their position	Follow Dispensing Head maintenance procedure to re-position Seals
	Incorrect assembly post cleaning process	Seals damaged or positioned incorrectly	Re-perform Dispensing Head Assembly and replace parts as required
Water leaking from the green pipe on front of the unit	Check Valve failure	Debris in Vented Check Valve sited on the Carbonator Pump	Strip and clean as per instructions contained in the Maintenance Section
Dispense flow incorrect	Incorrectly set Flow Control	Not adjusted correctly	Reset flow rate

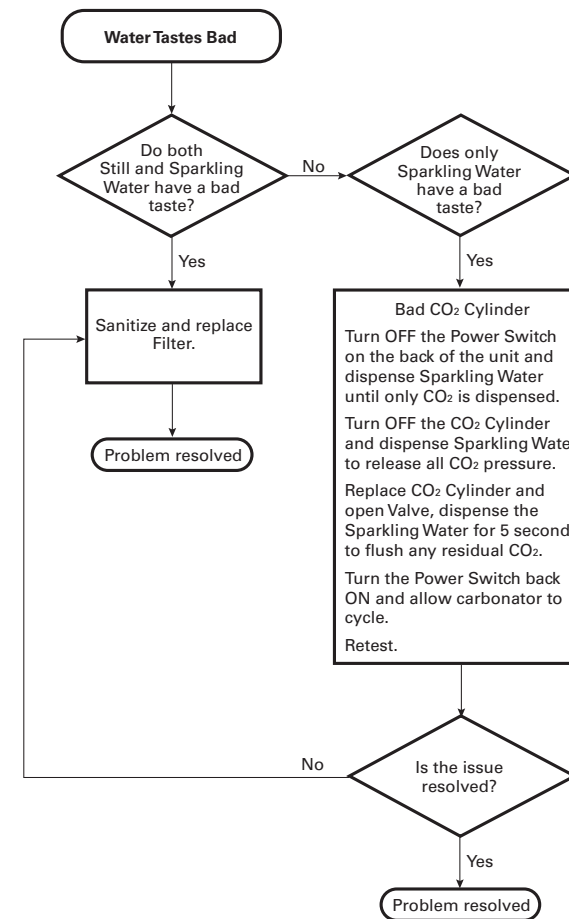
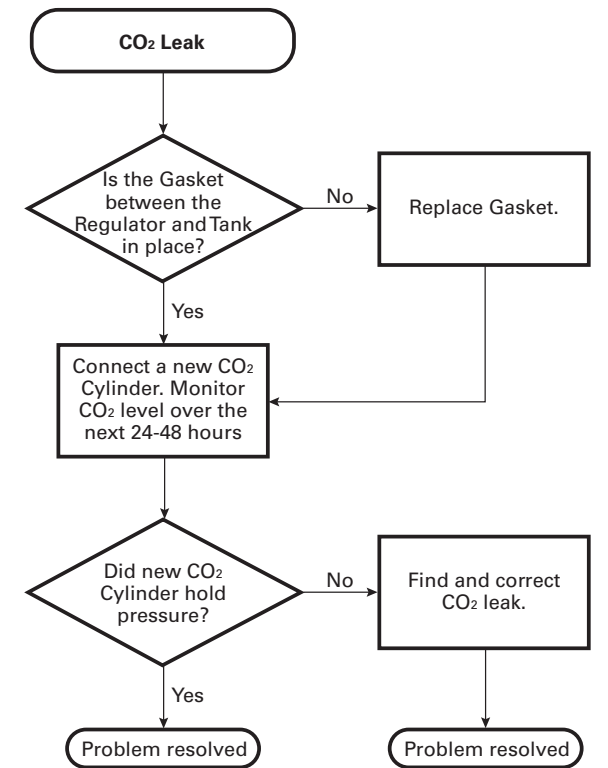
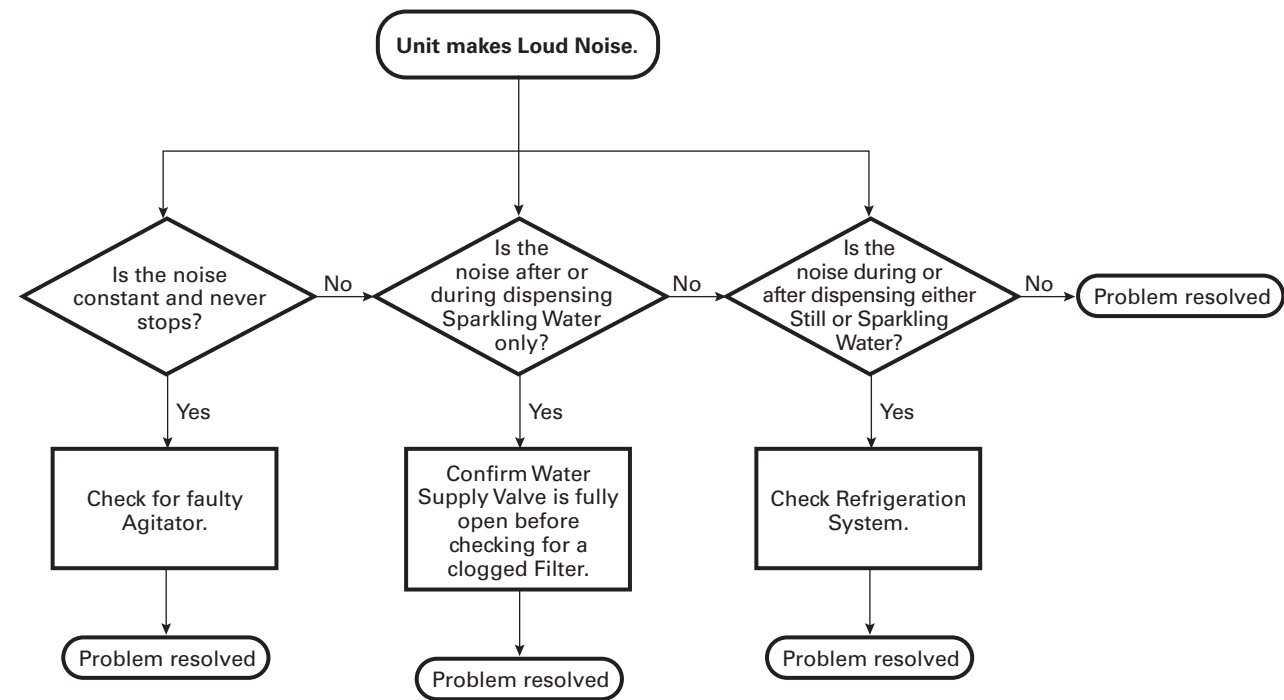
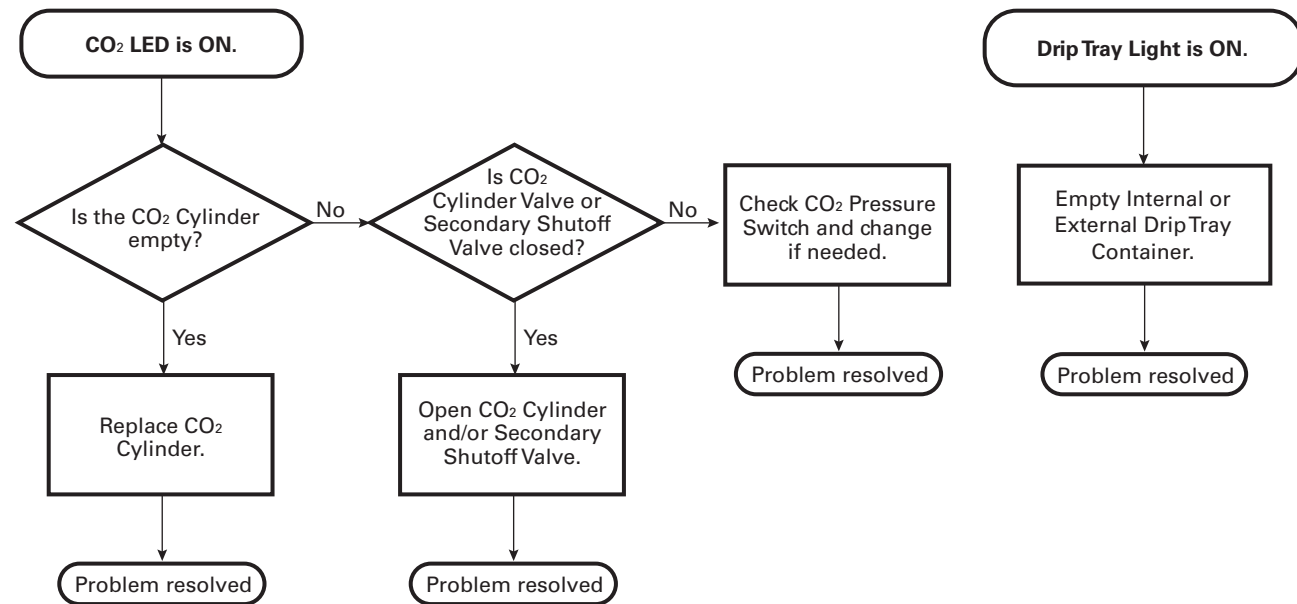
i IMPORTANT _____

Refrigeration System Failure Modes, Compressor Start Device, Over-Temperature Device in Compressor, Open Circuit on Compressor Motor Windings, Refrigerant loss, Capillary Tube blockage etc. are best diagnosed and repaired off-site in a shop environment.









Illustrated Parts List

GENERAL INFORMATION

HOW TO USE ILLUSTRATED PARTS LIST

Ordering Parts

Use this parts list to order parts for your Vivreau V3-204 and V3-205 Dispensing System.

For your convenience, part numbers have been included for all replaceable parts.

Illustrations

Item numbers on illustrations correspond with parts listings on pages that accompany the drawings.

Notes are included on illustrations where needed.

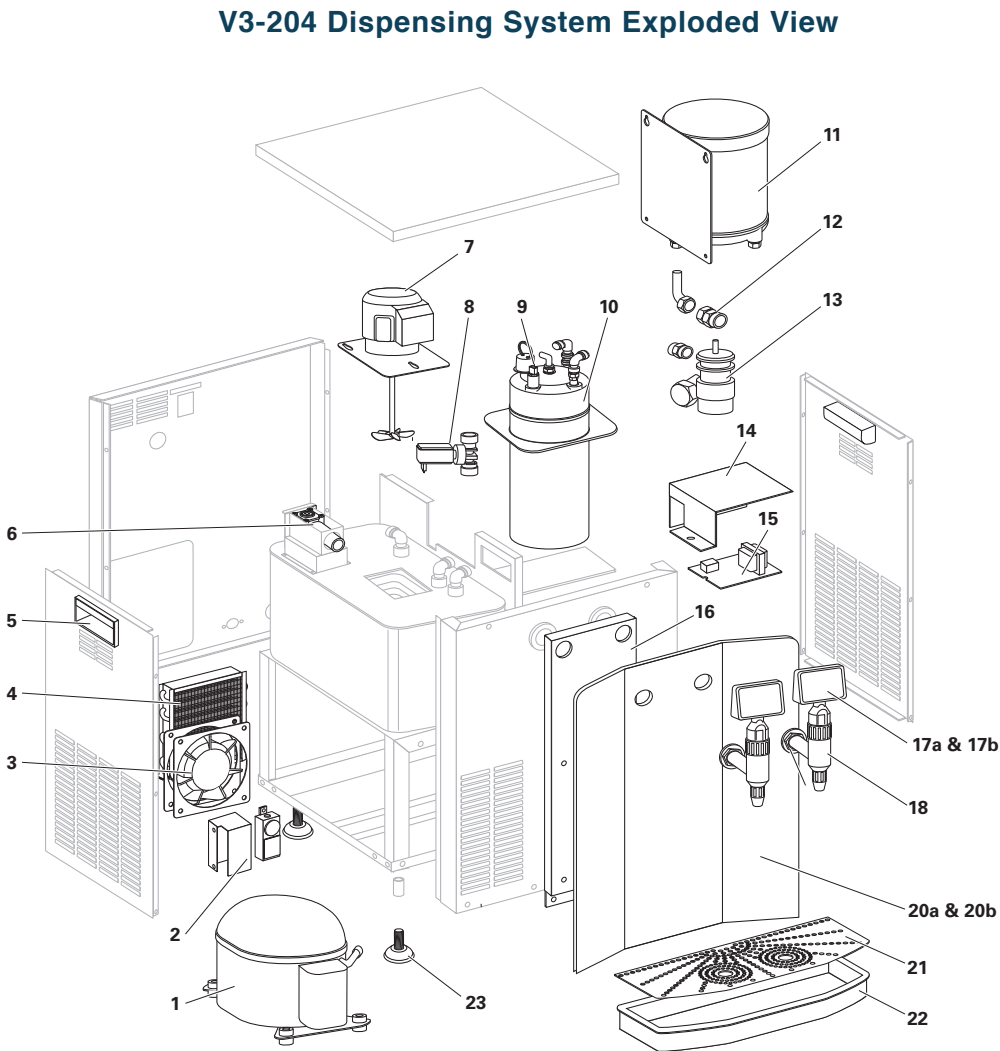
Parts Listings

Parts listings identify serviceable parts with the following categories:

Item - corresponds with numbers on illustrations for part identification.

Description - specifies part name or description of the item.

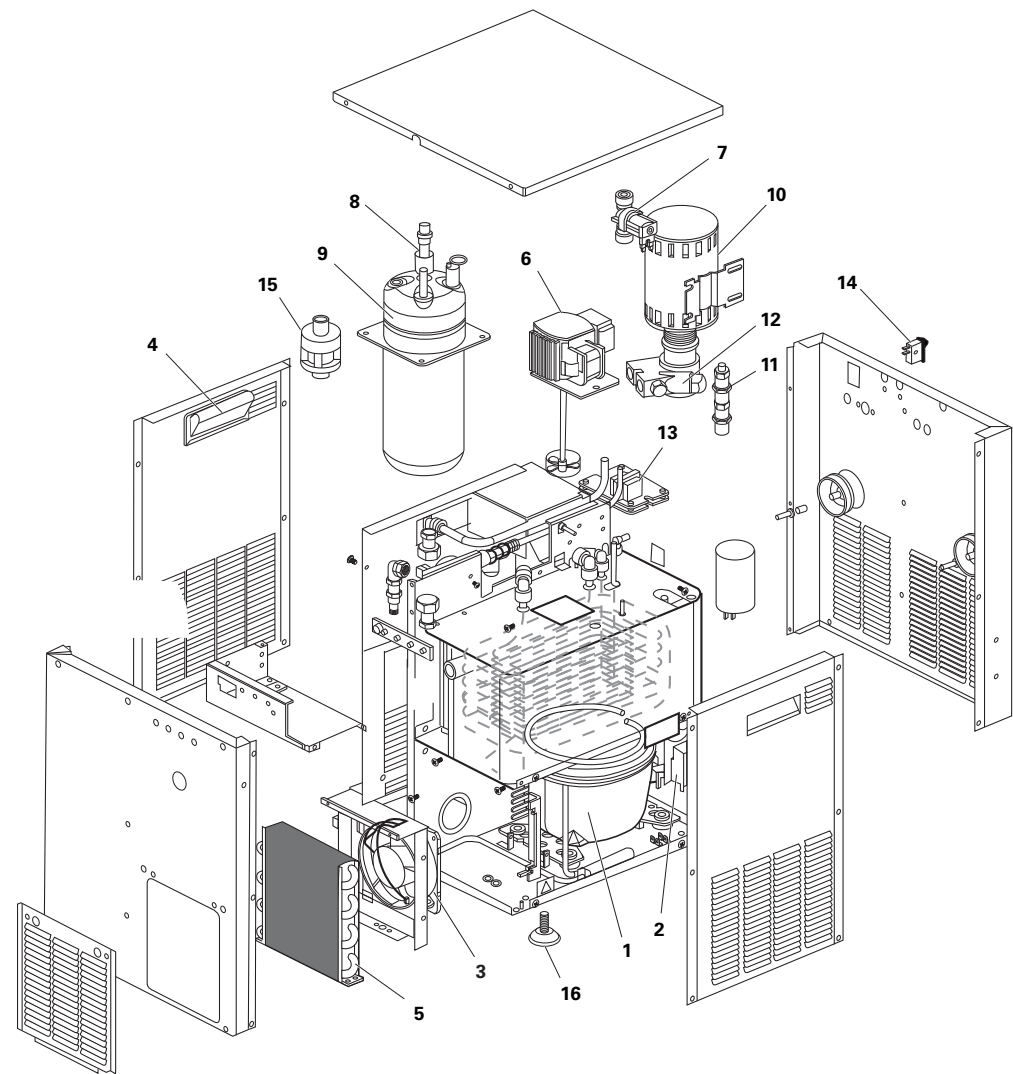
Quantity (Qty) - quantity required for assembly.



V3-204 Dispensing System Parts List

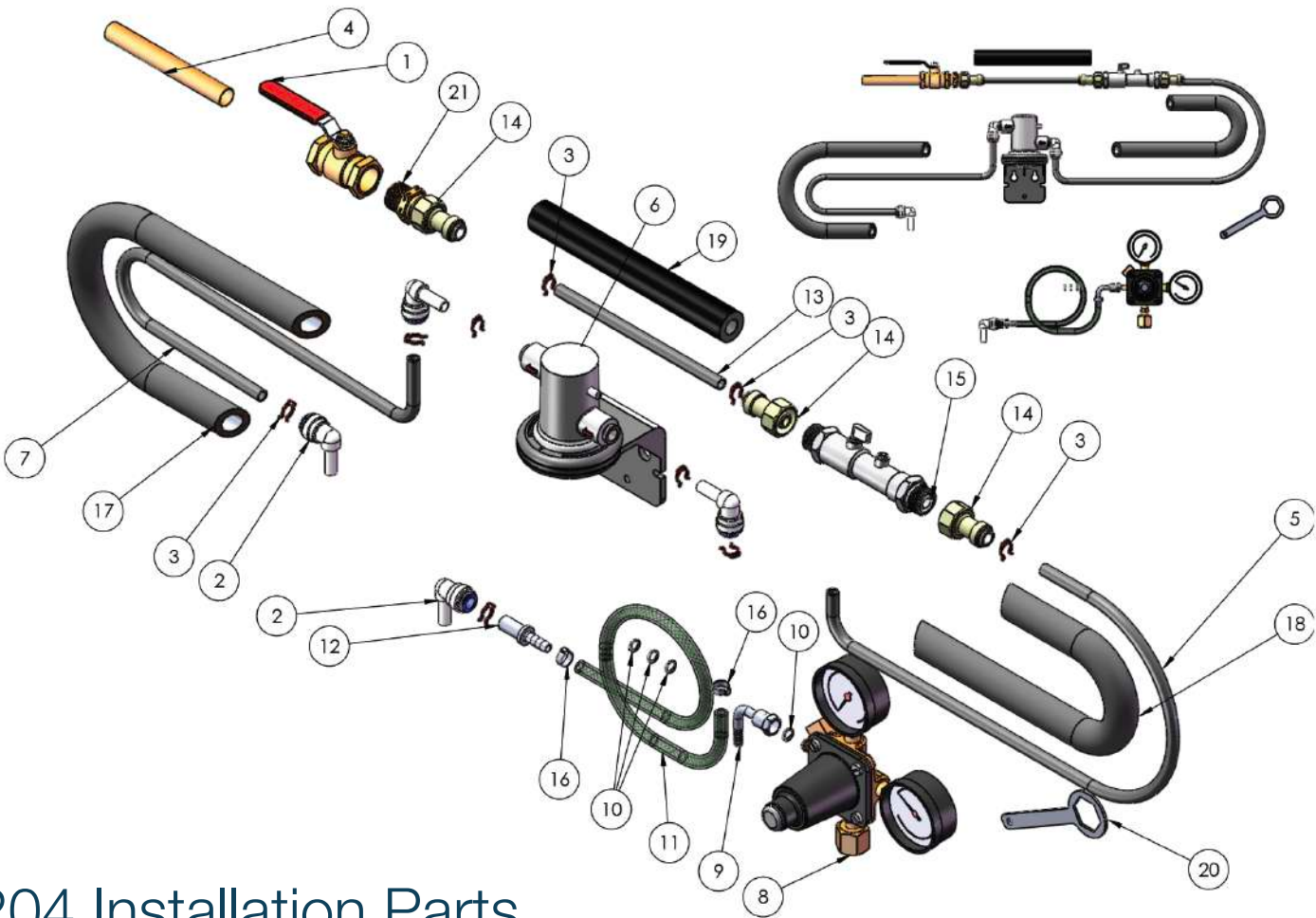
Item No.	Part Number	Description	Qty
1	N/A	Compressor Set THB1335YS LST 120V	NA
2	1017463	Thermostat	NA
3	1040297	Mini Bottler Cassette Fan	NA
4	N/A	Condenser	NA
5	N/A	Molded Handle	NA
6	1017462	JG 3/8 x 5/16 Flow Regulator	NA
7	1029135	AGIT-MOTOR-V3-204-US	NA
8	1040270	Water Inlet Solenoid	NA
9	N/A	Level Probe	NA
10	N/A	Carbonator Bowl	NA
11	1046015	Carb Motor	NA
12	1040276	Vented Dual Check 3/8" mpt in 3/8" male flare	NA
13	1046076	Carb Pump	NA
14	N/A	Splash Cover – Controller	NA
15	1040271	PCB Controller	NA
16	N/A	Infill Panel For Fascia	NA
17a	1029146	Still Tap Lense US-BT-SP	NA
17b	1029145	Sparkling Tap Lense US-BT-SP	NA
18	N/A	Water Tap	NA
20b	N/A	Fascia Panel Blue Frost	NA
21	N/A	Drip Tray – Grill	NA
22	1034117	Mini Bottler Drip Tray	NA
23	N/A	Adjustable Leg	NA
NS	1046143	Co2 Reg Tank Kit	NA
NS	1017470	Main Bottler LED-Buzzer Kit BT102-BT-SP	NA
NS	N/A	Cleaning Mode Switch	NA
NS	1040704	Pentair Stainless Steel 65psi PRV	NA
NS	1023695	Tap Nozzles	NA

Vertical Cooler/Carbonator Under-Counter Range (120V 60Hz) Exploded View



Vertical Cooler/Carbonator Under-Counter Range (120V 60Hz) Parts List

Item No.	Part Number	Description	Qty.
1	N/A	Compressor TL4G (120V; 50/60Hz) - Secop	1
2	1017463	Thermostat	1
3	1040297	Mini Bottler Cassette Fan	1
5	N/A	Condenser	1
6	1029135	AGIT-MOTOR-V3-204-US	1
7	1040270	Water Inlet Solenoid	1
8	N/A	Level Probe	1
9	N/A	Carbonator Bowl	1
10	1046015	Carb Motor	1
11	1040276	Vented Dual Check 3/8" mpt in 3/8" male flare	1
12	1046076	Carb Pump	1
13	1040271	PCB Controller	1
14	N/A	Rocker Switch 273 235	1
15	1017465	ViTap Dual Solenoid Assembly	1
16	1030554	PCB Board NA VT-SP Vitap	1
17	1040704	Pentair Stainless Steel 65psi PRV	1
18	N/A	Foot M8 Adjust Lvl RS750-777	1

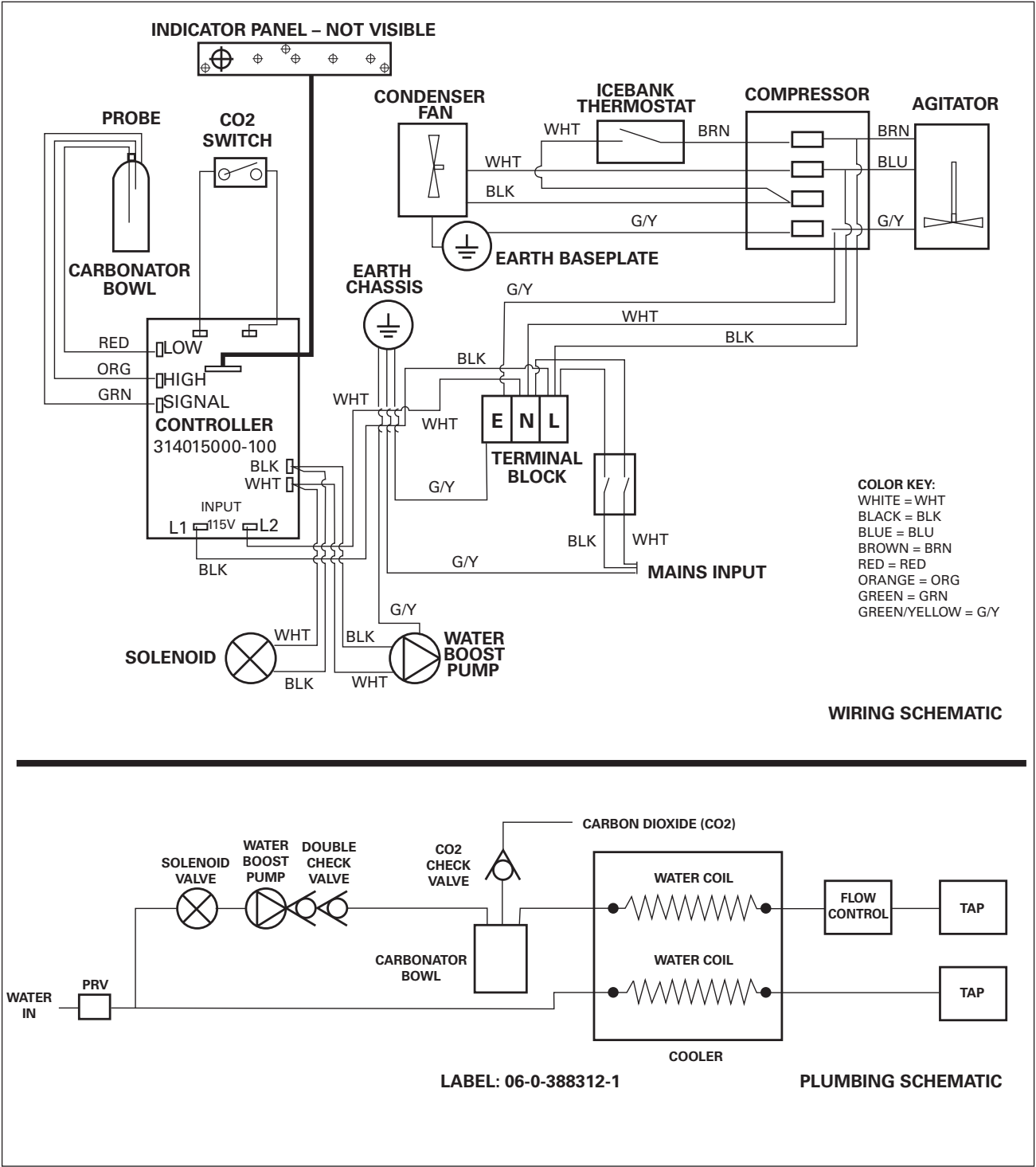


204 Installation Parts
No Water-block

Item No.	Part Number	Description	Qty.
1	Shut off valve	Supplied By Client	1
2	1019479	Gray Acetal Plug In Elbow 3/8 Stem - 3/8 Tube	4
3	1046036	Locking Clip, 3/8	9
4	Water supply	Supplied By Client	1
5	1046021	LLDPE Tubing 3/8 OD, Black (500 ft. Roll)	1
6	1025659	VH-3 Filter Head	1
7	1025665	.380 Whiteline Braided Bev Tube (300' roll)	1
8	1040294	Reg Pri WM 160 W/6' Hose Attchd	1
9	1040289	Swivel ELL 1/4 Barb x 1/4 FFL	1
10	1040281	Nylon Washer White 1/4	4
11	1040283	.265 Whiteline Braided Bev Tube (500' roll)	1
12	1024849	Tube To Hose Stem 3/8 Stem - 1/4 Hose	1
13	1046021	LLDPE Tubing 3/8 OD, Black (500 ft. Roll)	1
14	1019480	Gray Acetal Female Connector 3/8 X 1/2 BSPP (Cone End)	3
15	1025656	Dual Check Valve With Shutoff	1
16	1040284	12.3 Stepless Clamp (100 pack)	2
17	1045998	Insulation Pipe 3/8" ID x 3/8" x6	1
18	1046002	6' Pipe Insulation	1
19	1046002	6' Pipe Insulation	1
20	1025664	CO2 Regulator Wrench	1
21	1025667	Hose Nipple 1/2 Mpt x 1/2 Mpt Hex	1

Wiring Diagrams

Vivreau V3-204 and V3-205 Wiring Diagram and Plumbing Schematic



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