

# INSTALLATION INSTRUCTIONS

## SAFETY INSTRUCTIONS

### WARNING:

Before starting installation, read and understand all safety label and warnings on the machine. Also review and understand all safety instructions in the owners, installation and service manuals.

**Failure to comply could result in serious injury, death or damage to the equipment.**

## QUALIFIED SERVICE PERSONNEL

### WARNING:

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

**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 lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work.

**Failure to comply could result in serious injury, death or damage to the equipment.**

### CAUTION:

Always be sure to keep area around the unit clean and free of clutter.

**Failure to keep this area clean may result in injury or equipment damage.**



## VIPER 2 FLAVOR PLUMBING

The following instructions should be used for installation of the CO<sub>2</sub>, Water and Syrup plumbing for a Viper 2 Flavor FCB unit with 1/2" Syrup lines at a maximum distance of 100 feet from the unit. Prior knowledge of the FCB Installation/Service Manual is necessary before attempting the installation.

### Parts List

Part No.	Description	Quantity	UOM
08859	Tie Cable, 11" Std. Dennison	10	ea
174478000	Tubing Flexcor 265 X 465 500'/Ctn.	100	ft
620717793	Tubing Taste Rite 510 X 675 300'/Ctn.	100	ft
178025100	Gasket, 1/4 Male Flare Fitting	3	ea
312926000	Clamp OETR 484 Open Stpls #12.3	15	ea
560000221	Clamp OETR 728 Open Stpls # 18.5	25	ea
47538008	Fitting, Barb, 1/2 X 3/4 MPT BR	1	ea
113375000	Tubing, Vinyl .375 X .625 Transparent	12	ft
50418	Bag, Plastic	1	ea
620807202	Bag, Plastic 10 X 13 Ziplock, 2 mil	1	ea
629097062INS	Manual Installation Kit, 2 Flavor Plumbing 1/2" Syrup	1	ea
77010100	Nut, Swivel 7/16-20 BRNI	3	ea
77010400	Fitting, NIPL 265 Tube 1/4FL Nut SS	3	ea
77060100	Fitting, T-Barb 1/4 (3) SS	1	ea
77042200	Fitting, Splicer 1/4S X 1/2S	2	ea
620804835	S-Crtn 20.00 X 18.00 X 12.00	1	ea

### Tools Required

- Adjustable Wrench
- Oetiker Pliers
- Tube Cutters for Beverage Tubing

### Additional Items Required

- BIB Disconnects
- BIB Pumps
- BIB Rack
- CO<sub>2</sub> Regulators
- Water Filter

Refer to 620043090INS for Cornelius part numbers of Additional Items in list above.

## Requirements

CO <sub>2</sub>	75±1 psig at the unit
Water	25 psig minimum flowing pressure at the unit with 1.67 gallons per minute flow rate (100gph) per 2 barrels. If the flowing pressure and flow rate are less than specified, a water pressure booster is required. See note below.
Syrup	70±1 psig CO <sub>2</sub> to pumps.
Clearances	Refer to Installation/Service Manual

Water Requirement Note: When testing the water supply to the FCB machine the installer must take into consideration the total potential water demand that may be placed on the store water supply by all equipment within the store.

Equipment such as fountain dispensers, icemakers, coffee brewers, and juice dispensers typically draw water from a common source/filter system. The FCB machine must be supplied with water to the specification above at all times, even when any of the other equipment is drawing water. If the operation of the other appliances reduces the flow rate of water to this FCB unit below 1.67gpm (100gph), add the required water booster.



### **WARNING:**

Secure the CO<sub>2</sub> cylinder in an upright position with a safety chain to prevent it from falling over and causing personal injury and property damage.



### **DANGER:**

CO<sub>2</sub> displaces oxygen. Strict attention **MUST** be observed in the prevention of CO<sub>2</sub> gas leaks in the entire CO<sub>2</sub> and soft drink system. If a CO<sub>2</sub> gas leak is suspected, particularly in a small area, **IMMEDIATELY** ventilate the contaminated area before attempting to repair the leak. Personnel exposed to high concentrations of CO<sub>2</sub> gas experience tremors which are followed rapidly by loss of consciousness and **DEATH**.

**NOTE: Tubing, hoses, and cabling may be routed from beneath or in back of the Viper FCB unit. It may be necessary to make a penetration in the counter or wall to accommodate the desired installation.**

**NOTE: If the syrup lines will be routed in an area that will see temperatures less than 55°F the lines must be insulated.**

**Tubing**

- 1/2 Inch Beverage Tubing
- - - 1/4 Inch Beverage Tubing
- · - · - 3/8 Inch Tygon Tubing

- Connections
- Ⓐ 1/2 Inch Hose Barb to 1/4 NPT
  - Ⓑ 1/4 Inch Female Flare Nut
  - Ⓒ Direct Connections to Syrup Outlet on Syrup Pump
  - Ⓓ Direct Connections to CO2 Inlet on Syrup Pump
  - Ⓔ Direct Connections to Syrup Inlet on Syrup Pump
  - Ⓕ 1/4 Inch Cross Barb

