



INSTALLATION INSTRUCTIONS

FCB 2 FLAVOR PLUMBING

The following instructions should be used for installation of the CO₂, Water, and Syrup plumbing for a Pinnacle or V-Series 2 Flavor FCB unit at a maximum distance of 50 feet from the unit. Prior knowledge of the FCB Installation/Service Manual is necessary before attempting the installation.

Parts List

Item	Description	Quantity
1	1/2" - 3/4" Hose Barb to MPT	1
2	1/4" Flow Washer	2
3	1/4" Female Flare Swivel Nut	2
4	1/4" Stem Barb	2
5	1/4" Tee Barb	1
6	1/4" - 1/4" Hose Barb Splice	1
7	1/4" - 3/8" Hose Barb Splice	2
8	3/8" - 1/2" Hose Barb Splice	1
9	17.0 Oetiker .669 O - .571 C	10
10	12.3 Oetiker .490 O - .386 C	15
11	21.0 Oetiker .826 O - .700 C	3
12	11" Cable Tie	10
13	1/4" ID Braided Tubing	100 Ft
14	3/8" ID Braided Tubing	100 Ft
15	1/2" ID Braided Tubing	50 Ft
16	3/8" ID Flexible Tygon Tubing	12 Ft

Tools Required

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

Additional Items Required

- BIB Disconnects
- BIB Pumps
- BIB Rack
- CO₂ Regulators
- Water Filter

Refer to TP01068 for Cornelius part numbers of Additional Items in list above.

Requirements

Pinnacle

CO ₂	60 psi minimum at the unit
Water	25 psi 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	60 psi minimum static at the unit and 45 psi minimum flowing pressure with 0.35 ounces per second flow rate (0.17gpm)
Clearances	Refer to Installation/Service Manual

V-Series

CO ₂	80 psi minimum at the unit
Water	16 psi 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	80 psi minimum static at the unit and 65 psi minimum flowing pressure with 0.35 ounces per second flow rate (0.17gpm)
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 draws 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 CO₂ cylinder in an upright position with a safety chain to prevent it from falling over and causing personal injury and property damage.



WARNING – CO₂ displaces oxygen. Persons exposed to high concentrations of CO₂ will experience tremors, followed by loss of consciousness and death. It is very important to prevent CO₂ leaks, especially in small, unventilated areas. If a CO₂ leak occurs ventilate the area before fixing the leak.

NOTE: Tubing, hoses, and cabling may be routed from beneath or in back of the Pinnacle FCB unit and **ONLY** from beneath the V-Series 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.

