

# TBJ Model WP-2001-1F

## Chlorinator/Proportioner (ref. dwg. R02166)

### Description:

The TBJ Model WP-2001-1F Chlorinator/Proportioner is a complete packaged module designed to inject pre-determined amounts of chlorine into tap water to control bacteria growth in animal drinking water. A stainless steel bottle filling manifold is provided to dispense water into a rack load of water bottles. A selector switch is available to provide the option of dispensing non-treated tap water in addition to treated water.

### Options and Accessories:

(consult options brochure for more detailed information)

- pH monitor and pH probe for acid injection

### Standard Design and Construction:

Overall dimensions shall be 31 1/2" long x 36" wide x 73 1/2" high.

The cabinet and base frame shall be constructed of type 316 stainless steel. All welds shall be heliarc. All exposed welds shall be ground to a seamless polished finish.

The unit shall utilize primarily 16 and 18 gauge T316 stainless steel. The base frame shall be made of 1 1/2" x 16 gauge wall stainless steel tubing. Adjustable leveling feet shall be included in the base frame design.

The filler manifold shall be constructed of 1" square, type 316 stainless steel tubing and include stainless steel nozzles. The filler manifold shall also include a sanitary type, stainless steel quick connector to allow for quick and easy interchanging of different capacity filler manifolds to the base unit. A "T" clamp is provide to allow for manually adjusting the height of the filler manifold. The manifold shall be customized to fit the customer's existing bottle cases.

A drain pan with PVC alignment guides shall be provided to allow the bottle cases to be easily locate beneath each bottle filler. The drain pan shall be sloped to a 1 1/2" drain located in the center of the drain pan.

A 5-gallon polyethylene solution-holding tank shall be provided. The tank shall include a level sensor to indicate "solution tank low" when the solution tank needs to be re-charged. The solution-holding tank is designed to be located in a freestanding position on the floor beside the proportioner.

A solution-metering pump shall be located within the main utility housing of the proportioner and shall be easily accessible. The metering pump shall be a positive displacement diaphragm pump with stroke length and stroke frequency adjustment controls.

A 15-gallon high-density polyethylene reservoir shall be provided. The reservoir shall include a float switch to automatically control the water level in the reservoir. A 1/2 HP centrifugal pump type with corrosion resistant PVC housing is provided to pump the reservoir tap water and treated water to a 3/4" FPT outlet.

All piping and fittings shall be PVC/CPVC rigid piping and fittings. The metering pump shall utilize flexible PVC/CPVC tubing to connect to the solution-holding tank. The reservoir and incoming water solenoid shall be stainless steel, 120 VAC.

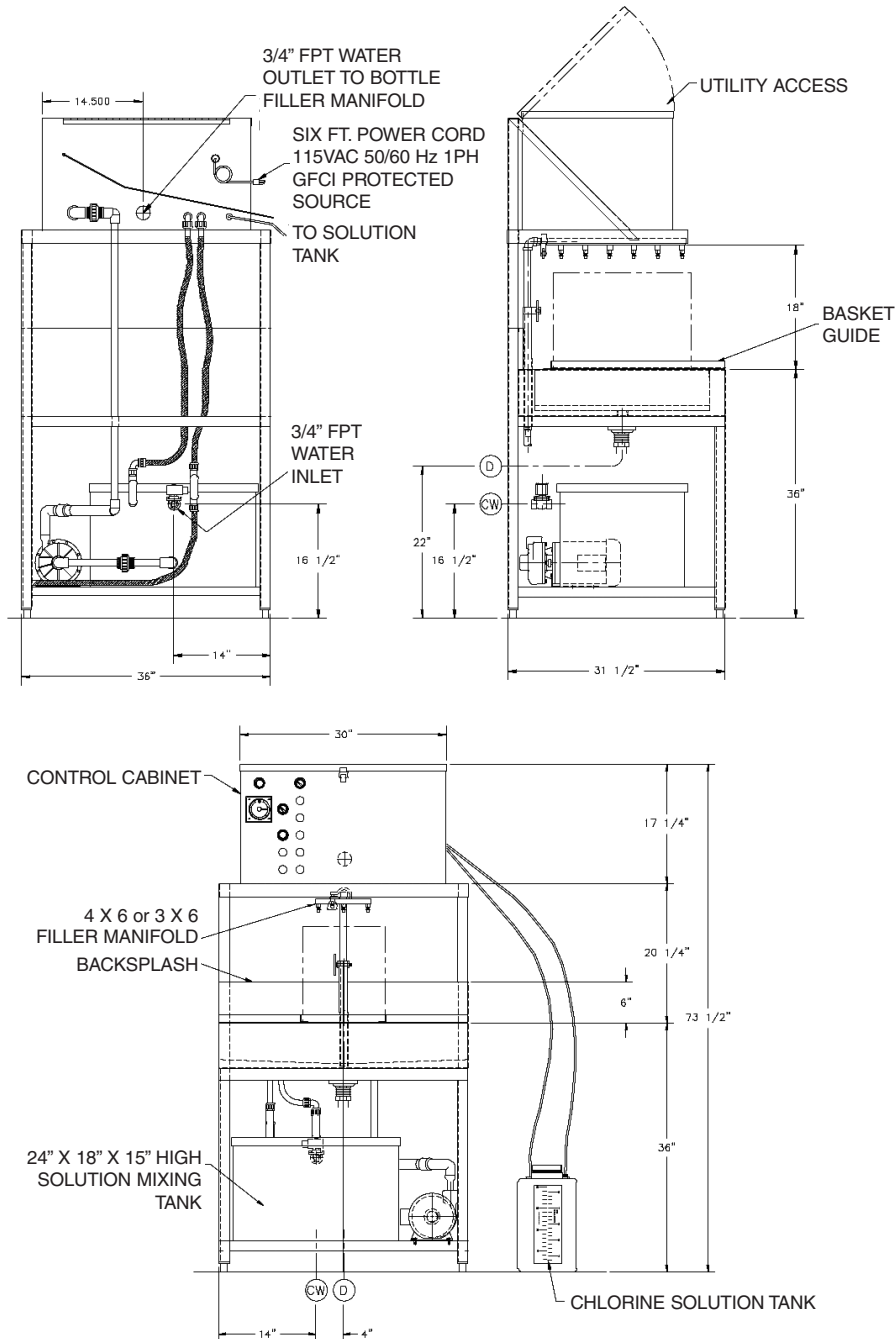
The injection/mixing chamber shall be PVC and be located within the main utility housing for easy access.

Controls shall consist of a dial-type 0-60 second "fill" timer (digital timer optional) to control bottle filling duration, a master power switch, "fill" push-button to initiate bottle filling, a treated/non-treated water selector switch and purge push-button. Indicator lights include "treated water in use", "non-treated water in use", "cycle in process", "reservoir tank low", "solution tank low" and "power on".

The table shall be factory pre-plumbed and pre-wired ready for single point connection of utilities on site.

The table shall be manufactured in the United States and utilize American made components where applicable.

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Specification and drawing are subject to change without notice unless certified by factory.

**Utility Requirements**

**E** --- Electrical - 115V., 1 PH., 60Hz., 15 AMP

**CW** --- Cold Water - 3/4" I.P.S.

**D** --- Drain - 1-1/2" I.P.S.

**Warranty**

All components are warranted to be free from defects in material and workmanship for a period of one (1) year, when used in accordance with manufacturer's instructions.

**TBJ**  
INCORPORATED

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