nimbus Water Systems Inc.
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Single Bottle Rinser		
		
	Size	**12" x 12" x 44"**
	Weight	**110 lbs.**
	Drain Out Pump	**3.3 gpm 120 V 40-60 Psi**
	Power ratings depend on unit ordered	**Voltage: 120 Current: 1.0A Power: 120W**

Purpose of Bottle Rinser

The Bottle Rinser is intended to provide self-serve customers with a method of keeping their bottles clean and sanitary. It is not designed to wash the bottle in the case of a dirty, contaminated bottle. It is designed to sterilize their nearly clean bottle and eliminate any surface bacteria that may be inside their bottle. By rinsing their bottle every fill or two it greatly reduces the chance of contaminants growing in their bottle. This is a preventative procedure as opposed to a cure to an existing problem.

Water supplied is injected with a high concentration of ozone generated inside the bottle rinser. Ozone is created using the surrounding oxygen (O_2) and is converted to ozone (O_3) by electrical current (Cold Plasma Corona Discharge Ozone Generation). Ozone is an effective method of killing bacteria. The contact with the bacteria as well as the residual ozone left in the bottle will help prevent contamination of water bottles.

Electrical Requirements

The Bottle Rinser plugs into a standard 110-130 VAC receptacle, which should be dedicated to this application. Total current is about 1 Amp.

All wiring and cable/hose routing must be done to local standards, codes, and regulations.

Mechanical Requirements

1. **Drain Line**
   The drain line should be minimum 5/8" OD and should run in as straight a line as possible and the shortest distance possible. The drain line must also have sufficient slope for drain water to flow out of the bottle rinser via gravity nearly as fast as water flows into the bottle rinser so that water does not back-up in the bottle rinser and overflow.
2. **Water Source**
   A water source with a minimum 40 psi and 2.5 gpm is required to feed the bottle rinser. This water can be tap water if properly filtered and of sufficient quality or distilled water can be used. This water will be injected with a high content of ozone that will kill bacteria on contact. Distilled water is best however this can become costly and reduce the amount of water available for sale. Titan distiller installs produce a large amount of water at an economical rate that is an ideal source for the bottle rinser.