

Brochure

Disinfectant Boost System

Portable Air-Operated Disinfectant Injection System for Potable Water Tanks and Pipelines

Frequent boosting with small doses of disinfectant chemical is far less costly than having a major problem occur in your distribution system.

Ixom Watercare Inc. offers a portable, air-operated disinfectant injection system that is compatible with GridBee and SolarBee mixers in potable water applications. This system allows you to dose small amounts of disinfectant chemical (chlorine and chloramine) to maintain desired disinfectant residual levels.

With frequent monitoring and this portable boosting unit, you can easily give your customers the quality water they deserve.



Features and Benefits

The Disinfectant Boosting System is designed to pump the full range of concentrations of chlorine and chloramine, and features a 20-gallon chemical holding tank and a 5-gallon fresh water rinse tank. Pressures to 125 psi are possible with a compatible air compressor (not included).

Compact, Contained and Portable Design

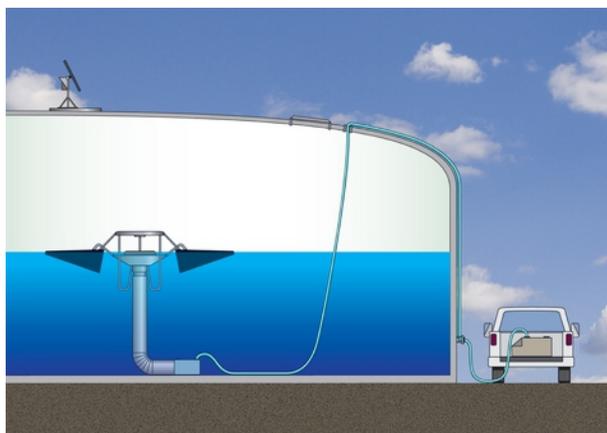
Portable and self-contained, the system easily fits in small- to full-sized pickup truck boxes. It is designed to be operated by a wide range of portable air compressors, allowing the user to dose multiple locations with simple rinse and air purge cycles at each location.

Self-priming Configuration

Pump location allows flooded suction from both chemical and rinse water holding reservoirs. Pump is located inside containment enclosure for minimized user exposure and safe operation.

Corrosion Resistant Components

All wetted material components are chemically compatible with chlorine and chloramine. Stainless steel hardware and containment on non-wetted parts are utilized for atmospheric corrosion resistance.



Flow and Liquid Level Indication

Level indicators, precise to fractions of a gallon, show the liquid level of the chemical holding tank.

Three Stage Chemical Boosting System

Easily dose the disinfectant chemical with the high performance air-operated double-diaphragm (AODD) pump, discharging at a rate of 0.5 gpm to 4.0 gpm with heads of up to 125 psi or 200+ ft. Operate the control valve to switch from chemical pumping to rinse water pumping. Purge the injection lines dry using the air compressor which operates the AODD pump.

Technology Description:	Safe, durable chemical transfer system to boost sodium hypochlorite in potable water reservoirs.
Dimensions & Weight:	20" Wide X 24" Tall X 56" Length, Empty Tank (Dry) Weight: 120 lb Full Tank (Wet) Weight: 325 lb
AODD Pump:	Air Operated Double-Diaphragm pump. 0 to 4 GPM discharge.
Air Compressor:	Not included. Portable air compressor required to operate system. 4cfm at 60psi required to boost typical tank; compressor should be capable of 125 psi if desired to run the pump at higher pressure.
Skid/Base:	316 stainless steel construction. Provides secondary containment.
Chemical Hose:	30 ft of 3/8" flexible teflon chemical hose jacketed with stainless steel braid sheathing included. 250 psi max pressure.
Flow regulator	Flow regulating valve on control panel. All materials compatible with sodium hypochlorite.
Holding Tank:	20 gallon capacity chlorine holding tank with sight tube, and 5 gallon capacity rinse tank. High density linear polyethylene (HDLPE) material construction,
Warranty:	Limited 1 year parts and labor warranty.

Disinfectant Boost System Schematic

