Lafferty Equipment Manufacturing, LLC
Installation & Operation Instructions

Model # 909900 · Single Dosing Panel (Injector NOT Included)

REQUIREMENTS

Water

Temperature	up to 104°F
Pressure	5-85 PSI
Flow	up to 14 GPM
Supply Line	3/4"

OPTIONS

Stainless Steel Jug Racks

2 ½ Gal. (8 ½" x 10 ½")	# 224210
5 Gallon (12" x 12") Round/Square	# 224215

Alternate Check Valve (Viton Standard)

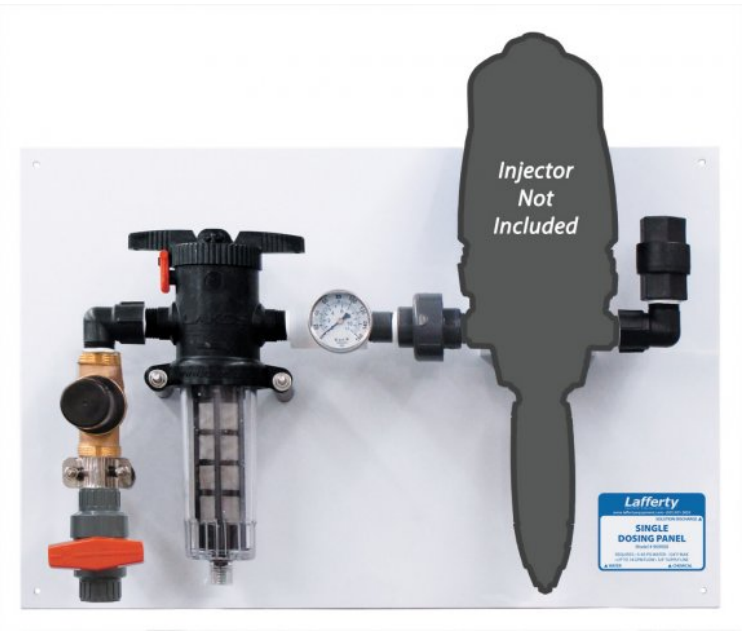
Check Valve, PP, 3/4" FF (EPDM Seal, Hast Spring)	# 491417

Contact Us For Injector Availability

WEIGHT & DIMENSIONS

Single Package

Shipping Weight	22 lbs.
Shipping Dimensions	30" x 21" x 18"



Lafferty EQUIPMENT MANUFACTURING LLC

CFS TECHNOLOGIES

www.laffertyequipment.com
501-851-2820

WARNING! READ ALL INSTRUCTIONS BEFORE USING EQUIPMENT!

OVERVIEW

Water powered proportioners are water-driven, non-electrical, proportional dispensing systems that dilute chemical concentrates to required ratios and deliver RTU chemical solution to pump fed applicators. For convenience and ease of installation, the Single Dosing Panel features a polypropylene mounting plate and includes a water filter, water regulator, flow restrictor, pressure gauge, and a mounting bracket for an injector (available separately). Fully adjustable proportioners cover dilution ratios from 1:3000 up to 1:5 and a choice of Viton, Aflas or Kalrez seals are available for chemical compatibility.

SAFETY & OPERATIONAL PRECAUTIONS

- **When connecting to a potable water supply follow all local codes for backflow prevention.**
- For proper performance do NOT modify in any way.
- Manufacturer assumes no liability for the use or misuse of this unit.
- Wear protective clothing, gloves and eye wear when working with chemicals.
- Always direct the discharge away from people and electrical devices.
- Do not adjust water regulator over the maximum pressure or flow rate of the proportioner (refer to proportioner documentation)
- Follow the chemical manufacturer's safe handling instructions.
- NEVER mix chemicals without first consulting chemical manufacturer.

TO INSTALL (REFER TO DIAGRAM ON NEXT PAGE)

If you are connecting to a potable water supply follow all local codes for backflow prevention.

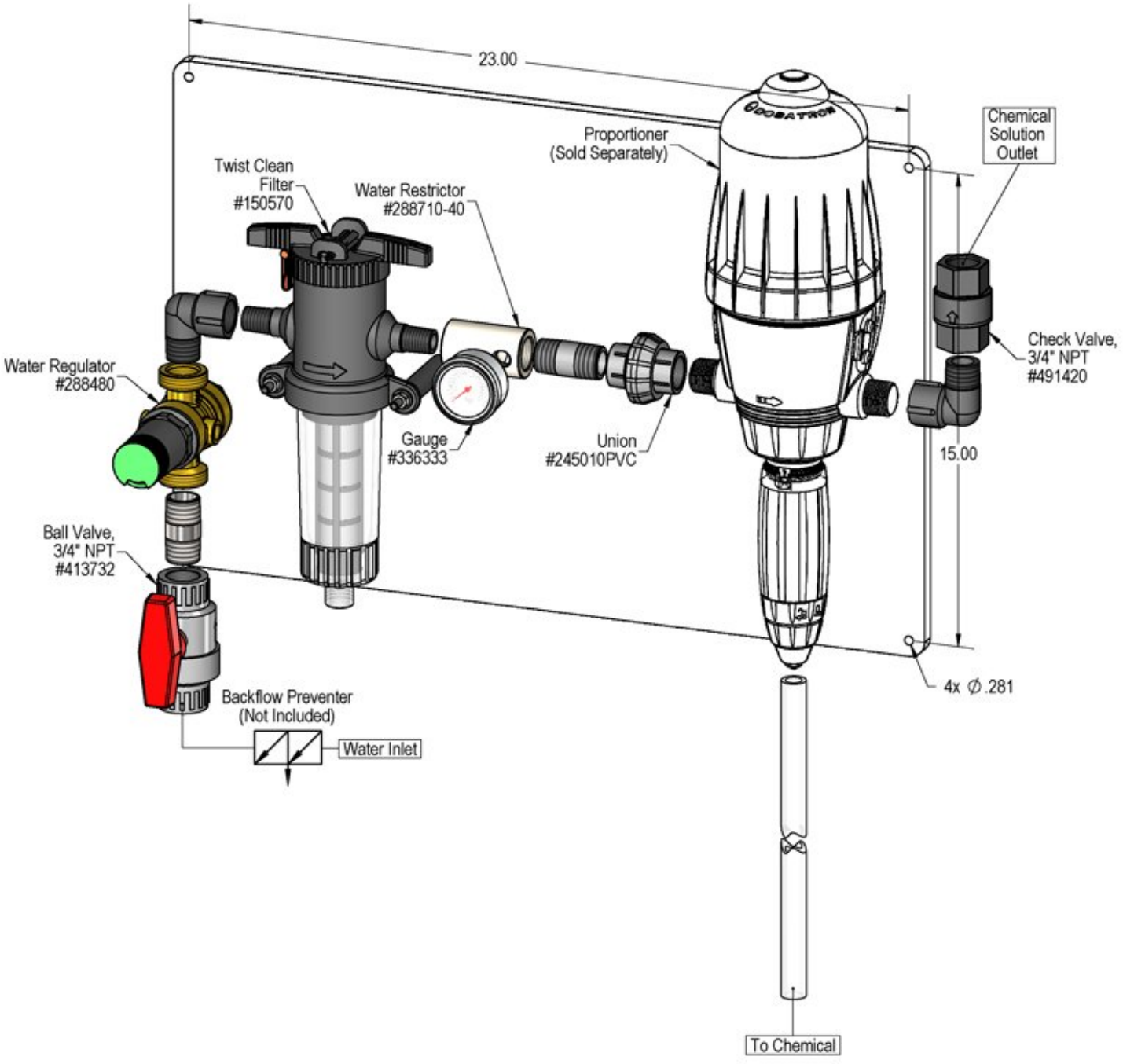
1. Mount the unit to a suitable surface above the chemical supply to prevent siphoning.
2. Depending on the application connect the discharge hose or piping.
3. Flush any new plumbing of debris before connecting water.
4. Based on application adjust the water regulator to the desired pressure. Do NOT exceed the maximum incoming water pressure for the proportioner (refer to proportioner documentation).

1. Determine chemical ratio, adjust the ratio based on the proportioner instruction manual.
2. Place the pick up tube into the chemical concentrate.

TO OPERATE

You are now ready to operate the system, depending on the intended application.

1. Turn the inlet ball valve slightly until the pump primes then open fully to begin pumping.


23.00
Proportioner
(Sold Separately)
Chemical
Solution
Outlet
Twist Clean
Filter
#150570
Water Restrictor
#288710-40
Check Valve,
3/4" NPT
#491420
Water Regulator
#288480
Gauge
#336333
Union
#245010PVC
15.00
Ball Valve,
3/4" NPT
#413732
4x Ø.281
Backflow Preventer
(Not Included)
Water Inlet
To Chemical

Troubleshooting Guide

Problem	Possible Cause / Solution	
	Startup	Maintenance
See Injector Manual		

Possible Cause / Solution	
Startup	Maintenance

PREVENTIVE MAINTENANCE: When the unit will be out of service for extended periods, place chemical tube(s) in water and flush the chemical out of the unit to help prevent chemical from drying out and causing build-up. Periodically check and clean chemical strainer and replace if missing.