



# Inject-O-Meter Mfg. Co., Inc.

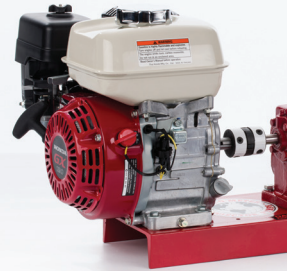
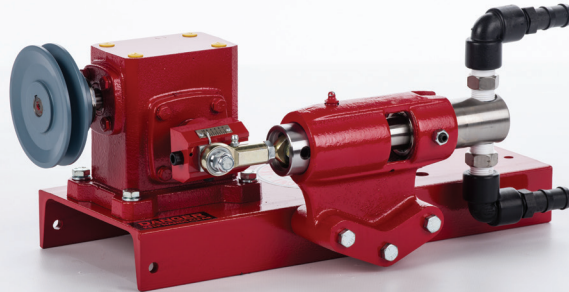
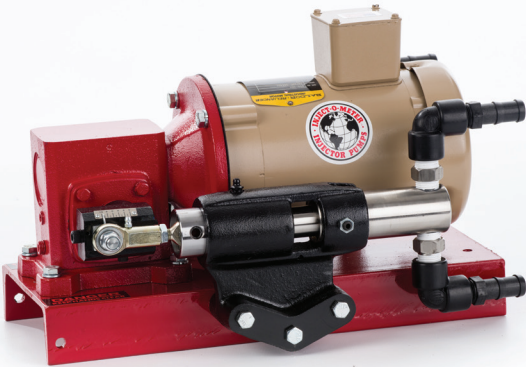
## PRODUCT CATALOG



The Leading Manufacturer of Fertigation and Chemigation Systems Since 1966



# INJECTION PUMPS



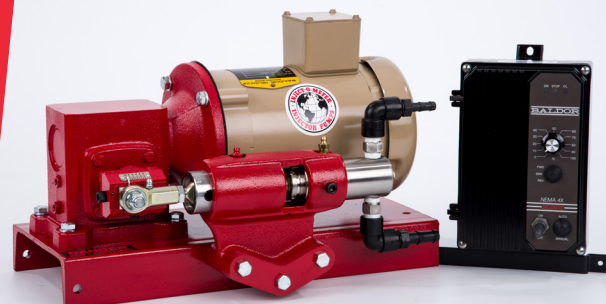
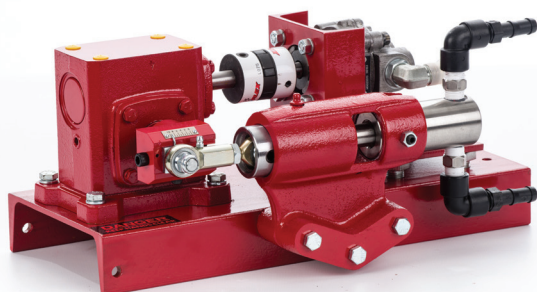
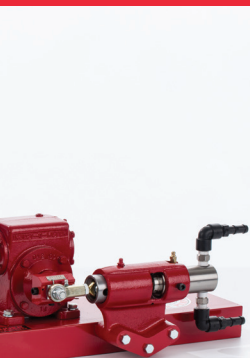
## AVAILABLE IN:

- ✓ Electric (Single Phase or Three Phase)
- ✓ 12 Volt DC
- ✓ 90 Volt DC
- ✓ Belt Drive
- ✓ Honda Engine
- ✓ Hydraulic
- ✓ Variable Speed Drive
- ✓ Simplex or Duplex

## FEATURES

- ✓ All wetted parts made of stainless steel.
- ✓ Gear reducer: Heavy duty, C-Face (15:1)
- ✓ O'Rings: Viton®, Aflas
- ✓ Vee-packing: N-buna, Viton®, Teflon®
- ✓ Ball Checks: Stainless Steel (Ceramic and Teflon® also available)
- ✓ Springs: Stainless Steel (Hastelloy C also available)

**\*\*Note:** Duplex models can be customized with two different piston sizes for maximum versatility...



## OUTPUTS (GALLONS PER HOUR) BY MODEL @ 1725 RPM

MODEL	MIN OUTPUT SIMPLEX & DUPLEX	MAX OUTPUT SIMPLEX	MAX OUTPUT DUPLEX
I70 - .25	.20	2.0	4
I70 - .375	.45	4.5	9
I70 - .50	.80	8.0	16
I70 - .625	1.25	12.5	25
I70 - .75	1.8	18	36
HVI-88(7/8)	3	30	60
HVI-82(1 ¼)	5.7	57	114
IOM-96(1 7/16)	10	100	200

# IOM 330 ECONOMY

## INJECTION PUMP



The **IOM 3-30** is for those who want a more economical chemical metering pump. This unit has an output of 3 to 30 gallons per hour. This unit is available in “Simplex” only.

### AVAILABLE IN

- ✓ Electric (Single Phase or Three Phase )
- ✓ 12 Volt DC
- ✓ 90 Volt DC

### FEATURES

- ✓ Piston: Stainless Steel
- ✓ Cylinder: Stainless Steel
- ✓ O’Rings: Viton
- ✓ Valves: Stainless Steel
- ✓ Ball Checks: Stainless Steel
- ✓ Maximum PSI: 100

### IOM 330

MIN OUTPUT

MAX OUTPUT

MAX PSI

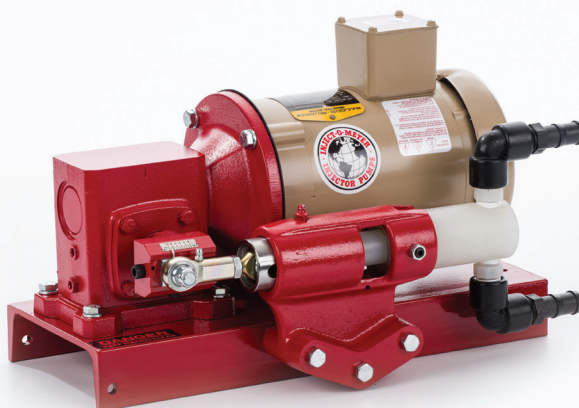
3

30

100



# ACID INJECTION PUMPS



All Inject-O-Meter corrosive chemical pumps can be powered by any of the drive options listed on the Injection Pump page. These pumps are made from either polypropylene or **Kynar®**. Both are highly resistant to many chemicals, however, we suggest calling your chemical supplier for information regarding chemical compatibility with both of these polymers. These pumps are recommended for users who need to inject acid as part of a prescribed maintenance program or to adjust the p.h. of the soil. The **Kynar® pump** is also excellent for injecting slurry materials.

## FEATURES

- ✓ Will handle corrosive and non-corrosive chemicals and slurries
- ✓ Gear reducer: Heavy duty C-Face (15:1)
- ✓ O'Rings: Viton and Aflas
- ✓ Valves: Kynar®
- ✓ Ball Checks: Ceramic or Teflon®
- ✓ Springs: Hastelloy

## OTHER USES FOR KYNAR® INJECTION PUMPS

Pulp and Paper | Metal Prep | Petrochemical | Food and Beverages | Wastewater | Pesticides | Institutional | General Chemical | Bleaching Operations | High Temperature/Acid Resistant | Alkylation Units/Hydrocarbon Mixtures | FDA, USDA, 3A Listed | Ultraviolet and Fungus Resistant | Halogen Resistance and Low Permeation | Low Smoke and Flame Properties | Hot Acids, Halogens, Alcohols & Aromatics | Oxidants, Mild Bases and Aliphatics

## OUTPUTS (GALLONS PER HOUR) BY MODEL @ 1725 RPM

MODEL	MIN OUTPUT SIMPLEX & DUPLEX	MAX OUTPUT SIMPLEX	MAX OUTPUT DUPLEX
I70 - .375	.5	5	10
I70 - .50	.95	9.5	19
I70 - .75	2	20	40
HVI-82 (1 ¼")	5.7	57	114
IOM-96(1 7/16")	10	100	200

# CHEMICAL FEED SYSTEMS



**Inject-O-Meter chemical feed systems** are simple yet functional in design. These systems are offered in both simplex and duplex styles for maximum versatility. Frame designed for easy portability. Let **Inject-O-Meter** design and build a chemical feed system for your specific needs.

**Tank Sizes:** 65 or 110 Gallon

**Agitation:** Mechanical or Air

**Plumbing:** Polypropylene (comes with everything needed to chemigate)

**Max-94™ Valve:** Multi-directional injection check valve needed to meet regulatory laws for chemigation.

**Cal-O-Meter™:** The calibration sight tube on the system that allows you to monitor the injection rate, made from highly resistant polymers.

Note: Unit pictured is with the “Variable Speed Drive.” This is an available add on option.



## Cal-O-Meter™ Calibration Tube

The **Cal-O-Meter™** is a calibration tube that allows the user to calibrate the chemical application rate for accuracy.

Made of a high chemical resistant polymer the **Cal-O-Meter™** is designed to handle the harshest chemicals.

## AVAILABLE IN TWO SIZES:

☒ 35 oz/1050 ml

☒ 58oz/1700ml

Calibrates in ounces or milliliters.

# VARIABLE SPEED DRIVE

This unit allows the user to change the output of the pump without having to stop and manually adjust the stroke length of the piston.

The waterproof controller is NEMA 4X that comes standard with start/stop and speed dial to vary the output of the pump.

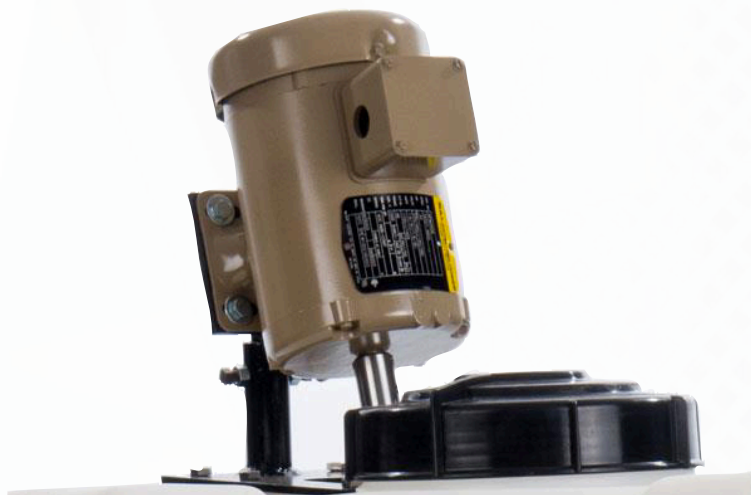
The **variable speed drive** is available in “Single Phase” and “Three Phase” power. With optional signal isolator board and flowmeter, pump output can be set proportional to water flow.

## BENEFITS

- ✓ Can follow several input signals including 4/20 mA
- ✓ NEMA 4X Box
- ✓ DC motor handles slow RPM rate without motor failure



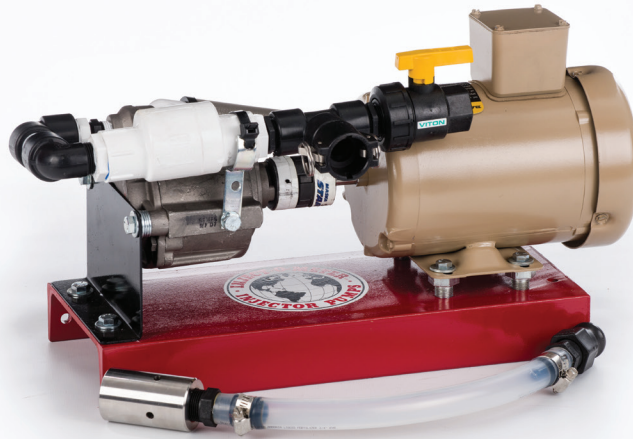
# MECHANICAL AGITATION



The agitation is what keeps your product in suspension throughout the injection process. The **mechanical agitation** can be driven by 3PH, 1PH, or 12 volt motors. The prop and shaft are made of 316 stainless steel for maximum durability. Mechanical agitation is recommended for products that need vigorous mixing to stay in solution. Air agitation (pictured on the next page) is also available. Air agitation is used for products that do not need vigorous mixing to stay in solution.



# AIR AGITATION SYSTEMS



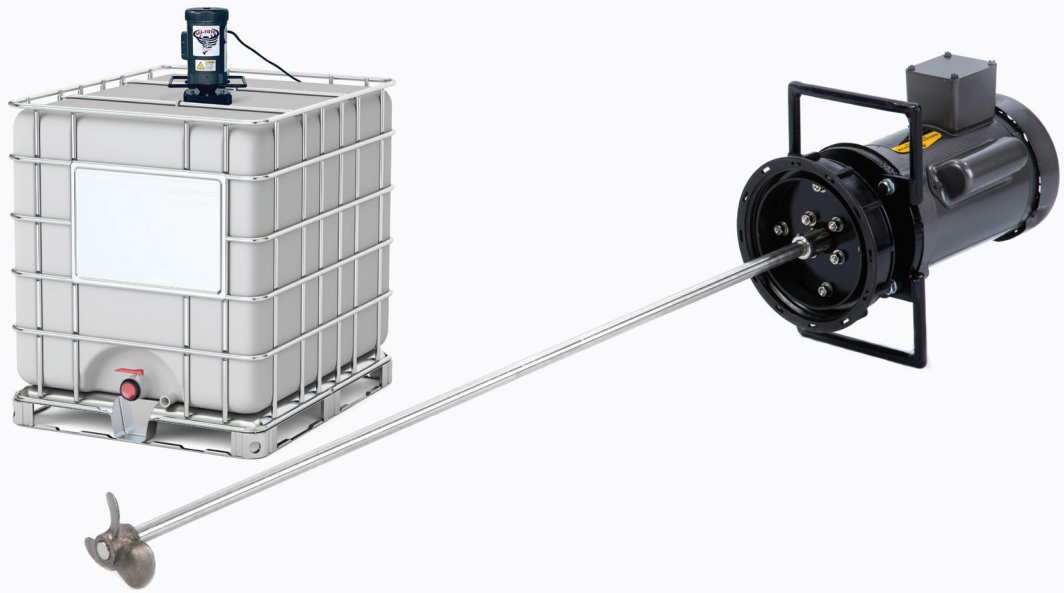
The **Inject-O-Meter Air Agitation** is comprised of a high volume, low pressure air pump that delivers constant air to the bottom of the chemical tank through a sparger nozzle.

As the air exits the sparger nozzle in the bottom of the tank, air rushes back to the top causing a churning action within the tank.

Through a series of ball valves, the air agitation can be set for light, medium, heavy or no agitation.



# AGI-TOTE™



**AGI-TOTE™** is designed to easily mix a variety of heavy to light viscosity liquids in totes.

We offer heavy, medium, and light agitation for materials that have settled in the bottom or need to remain in suspension.

With the 6" tote lid integrated into the mixer, **AGI-TOTE™** installs with ease onto any standard 270 gallon tote or 135 gallon tote.

## POWER OPTIONS

- ✓ Single Phase
- ✓ Three Phase
- ✓ 12 Volt DC

## FEATURES

- ✓ All props, shafts and hardware are constructed of stainless steel

## PROP SIZES

- ✓ 3" - Light
- ✓ 4.5" - Medium
- ✓ 6" - Heavy

# MAX-94 INJECTION

## CHECK VALVES



The **Max-94™ Injection check valve** is the distribution point for your chemicals into the irrigation line. This valve is designed to improve the distribution of chemicals into the waterline with a multi-directional atomizing spray.

The **Max-94™** is constructed completely of stainless steel with a **Viton®** seat for strength and chemical resistance.

The self-cleaning action alleviates backflow and leakage problems through a positive seating action.

The **Max-94™** meets or exceeds all state and federal regulations. The Max-94™ valve comes standard with all chemigation units sold.

(NOT RECOMMENDED FOR ACID INJECTION)



# INJECTION CHECK VALVES

## AND INSTALLATION KITS



All **Inject-O-Meter** pumps have an installation kit option that includes all suction and discharge hoses, 50 mesh stainless steel screens, fittings and injection check valve.

The function of the check valve is to prevent any backflow from the main line to the injection pump. The check valve and all of its components are made of stainless steel.

We offer three sizes of check valves to meet most flow rates.

### THE THREE SIZES INCLUDE

- ✓ 1/4" - For low volume units
- ✓ 1/2" - For moderate volume units (with Viton® seat)
- ✓ 3/4" - For high volume units
- ✓ 3/4" - Kynar Check Valve for Corrosive Chemicals

**Inject-O-Meter provides our customers with affordable and easy-to-use chemical injection and mixing equipment. We specialize in the agricultural, golf course, sod farm, nursery, greenhouse, pulp/paper processing and vehicle wash marketplaces.**



## **Inject-O-Meter Mfg. Co., Inc.**

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