

FERTIGATION AND CHEMIGATION INJECTORS



VERSATILE PLATFORM SERIES



DESIGNED FOR PORTABILITY



Efficiency & Versatility

Growsmart[®] by Lindsay's line of injectors offers a complete solution designed for the uniform application of fertilizers, herbicides, fungicides, insecticides and other strong chemicals that require dilution and mixing.

BENEFITS

- Compatible with existing pivot systems
- Affordable and reliable
- Hydraulically-actuated diaphragm pump operates more reliably than other methods
- Bi-directional
- Easy to handle and portable
- Pump can be adjusted while turned on or off
- High quality materials
 - Chemical-resistant wetted parts
 - Fewer moving parts in diaphragm pump for less maintenance than packed-plunger pumps
 - Strong, lightweight polyethylene bases
- Compatible with FieldNET[®] by Lindsay wireless irrigation management

Your local Zimmatic[®] by Lindsay dealer can help you determine the right chemigation solutions for your needs. Our network of certified dealers is trained to customize, install and service our entire range of products.

ENHANCE WITH FIELDNET



Growsmart injectors are compatible with FieldNET wireless irrigation management, which offers remote control and monitoring.

This means that when injectors are tied to a control panel, you are able to turn them on and off remotely. You can also create a plan to water one area or multiple areas, and graph the time that the pivot ran.

FERTILIZER PUMP PLATFORM

One-piece molded polyethylene platform with handles allows for easy handling of fertilizer pumps.

- Integrates pump controls and wiring for complete portability
- Corrosion-resistant
- 12 ft. (3.6 m) power cord
- Three sizes



MODEL	MIN FLOW AT 60HZ GPH (LPH)	MIN FLOW AT 60HZ GPH (LPH)	MIN FLOW AT 50HZ GPH (LPH)	MAX CAPACITY AT 50HZ GPH (LPH)	MOTOR 3 PHASE
IPF30	3 (11)	30 (110)	2.5 (9.2)	25 (92)	380/460V
IPF100	10 (36)	100 (360)	8 (30)	80 (300)	380/460V
IPF100X100	10x10 (36)	100x100 (360)	8x8 (30)	80x80 (300)	380/460V

CHEMIGATION PLATFORM WITH 30 GALLON TANK

Small tank offers greater convenience than larger systems. An economical system for applications of concentrated low volume chemicals.

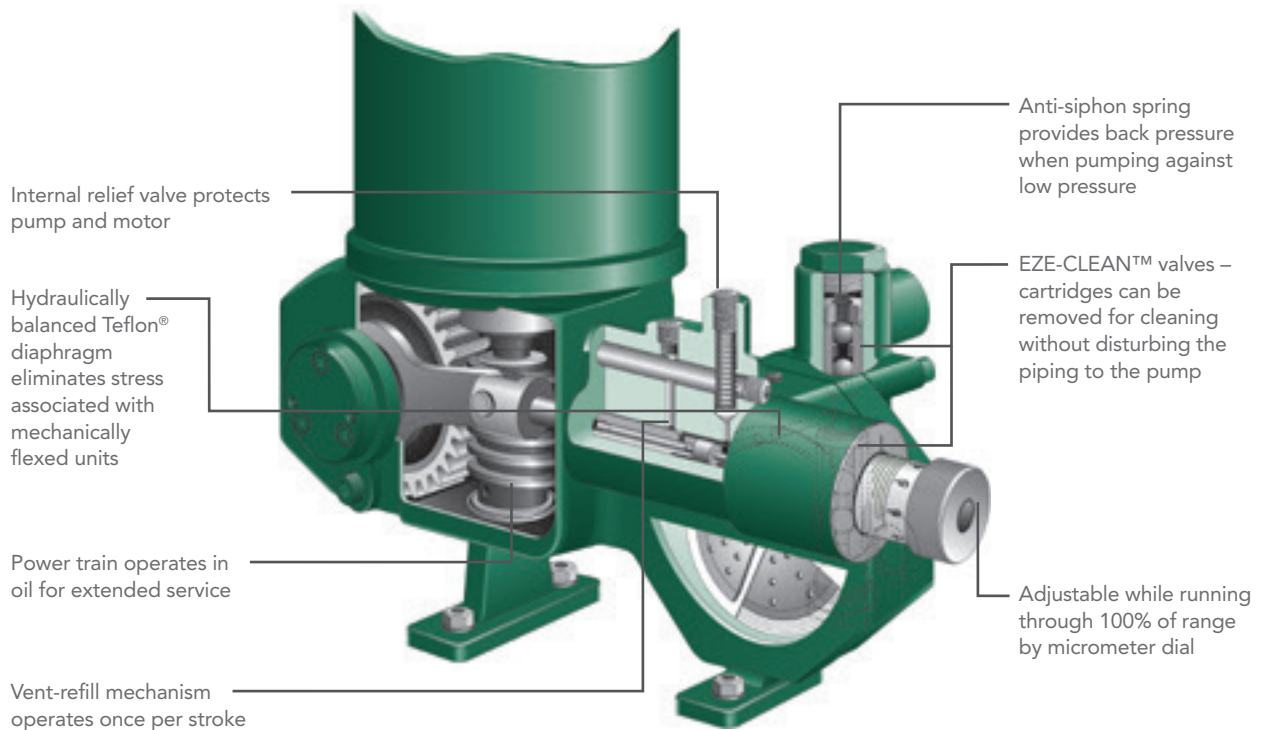
- 30 gallon (113 liter) calibrated tank
- Molded base with handles
- Pump and mixer motor starting switches with overload, 3-phase 380/460 volt
- Calibration tube marked in ounces and milliliters



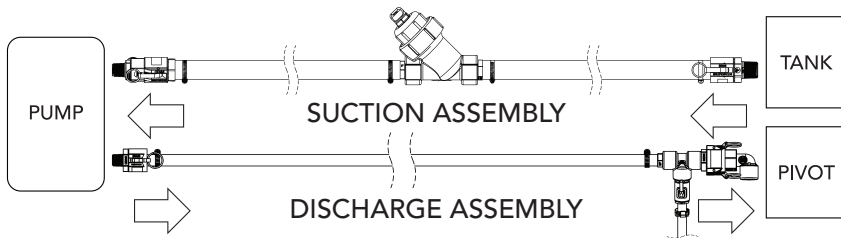
MODEL	MIN FLOW AT 60HZ GPH (LPH)	MIN FLOW AT 60HZ GPH (LPH)	MIN FLOW AT 50HZ GPH (LPH)	MAX CAPACITY AT 50HZ GPH (LPH)	MOTOR 3 PHASE
IPC4	0.4 (1.5)	4 (15)	0.33 (1.2)	3.3 (12)	380/460V

HOW IT WORKS

Variable Oil By-pass™ stroke adjustment allows better valve performance than variable linkage designs. The valve checks have extra time to seat even in heavy liquids since they are idle during the by-pass portion of the suction and discharge strokes.

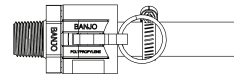


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OPTIONAL ASSEMBLIES

- 10' (3 m) SUCTION ASSEMBLY – 1" (25 mm)
- 10' (3 m) SUCTION ASSEMBLY – 3/4" (19 mm)
- 20' (6 m) DISCHARGE ASSEMBLY – 1/2" (12 mm)



Assemblies include quick disconnect couplers.

CHEMIGATION PLATFORM WITH 90 GALLON TANK

Completely assembled and includes mixer, valves, strainer, piping, wiring, controls and 12 ft. (3.6 m) power cord.

- 90 gallon (340 liter) calibrated tank
- Double-wall containment
- Patented closed containment system protects chemigation equipment from leaks and ruptures for 100% recapture of uncontaminated product



MODEL	MIN FLOW AT 60HZ GPH (LPH)	MIN FLOW AT 60HZ GPH (LPH)	MIN FLOW AT 50HZ GPH (LPH)	MAX CAPACITY AT 50HZ GPH (LPH)	MOTOR 3 PHASE
IPC18	1.8 (6.8)	18 (68)	1.5 (5.7)	15 (57)	380/460V

COMPLETE RANGE OF OPTIONS

- Three platforms
- 3-phase 380/460 volt standard motors
- Affordable and reliable

Check pump nameplate for exact flow ratings

ACCESSORIES

LINDSAY DISCHARGE ASSEMBLY



Injection connection includes self-sealing quick disconnect coupler.

LINDSAY SUCTION ASSEMBLY



Glass reinforced polypropylene fittings offer UV and chemical resistance.

CHEMIGATION VALVE



Includes pipeline check valve, vacuum relief valve, inspection port and low pressure drain. The chemigation valve must be installed between the point of the chemical injection and the irrigation water source. The valve should match the sizes of the pipe going to the pivot.

INJECTION QUILLS

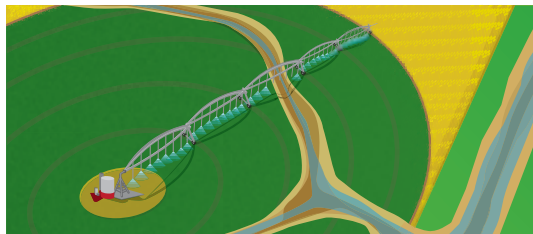


Allow chemicals to be injected into the turbulent flow near the center of the line, providing more uniform dispersion.

PART NUMBER	LINE CONN. NPT	INLET CONN. NPT	FLOW GPH*
PPQ50	3/4" (1.9 cm)	1/4" (.6 cm)	50 (189 LPH)
SSQ75	3/4" (1.9 cm)	1/2" (1.2 cm)	200 (757 LPH)

*gallons per hour at 50 PSI (3.4 BAR) differential

Note: Chemigation systems require several components to meet safety, legal and performance requirements. Please contact your local government officials for specific laws and regulations that dictate the exact chemigation equipment requirements in your area. The product labels of the material being injected may specify additional legally-required equipment.



PRECISION VRI

Precision VRI allows you to define application rates, including areas to avoid, by individual sprinkler or zone. Many fields have waterways or other areas where it's illegal to apply fertilizer or pesticides, and VRI gives you the needed control to avoid these areas when chemigating.

To learn how chemigation can make your operation more profitable, visit www.growsmart.com or contact your local Zimmatic® by Lindsay dealer.



THE LINDSAY ADVANTAGE

DURABLE • RUGGED • EASY TO USE • INTEGRATED TECHNOLOGIES • BROADEST LINE OF SOLUTIONS



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