

# 14 GPM Gemini High Flow Level Master™

MODEL # 989074

## OVERVIEW

The 14 GPM Gemini High Flow Level Master™ is a water driven chemical proportioner that will dilute and blend 2 chemicals and automatically refill a customer-supplied tank with ready-to-use chemical solution at 14 GPM @ 40 PSI. When the solution in the tank drops below a pre-set level, the float valve triggers an air-activated solenoid to start the water flow. The unique Gemini™ "double venturi" injection system combines two completely separated venturis in one injector body and uses city water pressure (35 - 125 PSI) to draw and blend 2 chemical concentrates into the water stream independently so that the chemicals never mix until they are diluted. The system cycles continuously and a secondary fail-safe float prevents overfilling.

## Key Features

- Automatically maintains a pre-set level of ready-to-use chemical solution in a customer supplied tank
- The unique Gemini™ proportioner draws 2 chemical concentrates and blends them downstream after dilution
- Dilution ratios are controlled independently for each chemical using precision metering tips
- Refills at 14 GPM @ 40 PSI to provide chemical for a user-supplied central chemical feed system
- Dual magnetic float valve design includes a primary valve to regulate normal operation and a secondary fail-safe valve to shut off the system if the primary float valve malfunctions
- Unsinkable solid polypropylene floats suspended by rigid "push rods" ensure smooth operation and prevent the float valves from sticking in the open position
- Chemical resistant wetted components ensure years of outstanding performance with minimal maintenance
- Industrial-strength design holds up in tough environments
- See all of our Level Master™ configurations and other Lafferty chemical management systems in [Catalog 9](#)

## Includes

- Stainless steel Level Master mounting bracket
- 2 magnetic float valves (primary and fail-safe) with solid polypropylene floats suspended by rigid CPVC push rods
- Air inlet ball valve
- 2 Stainless steel Satellite Mixing Station mounting plates
- 2 Air-activated water solenoids
- 2 Machined polypropylene Gemini™ injector bodies
- 2 sets of 20 color-coded precision metering tips

## OPTIONS

### Stainless Steel Central Pump System

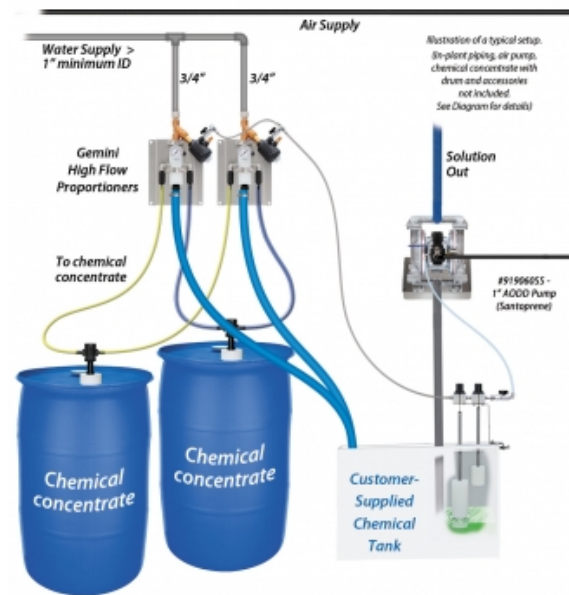
|                           |            |
|---------------------------|------------|
| 1" AODD Pump (Santoprene) | # 919060SS |
| Teflon Upgrade            | # 710943   |

### 4-Way Drum & Tote Stick Lengths & Seal Materials

|                                       |                     |
|---------------------------------------|---------------------|
| 4-Way Drum Stick, 33" (Viton or EPDM) | # 491644 / 491644-E |
| 4-Way Drum Stick, 48" (Viton or EPDM) | # 491649 / 491649-E |
| 4-Way Tote Stick, 54" (Viton or EPDM) | # 491657 / 491657-E |

### Alternate Check Valves - Viton Standard

|   |          |
|---|----------|
| Check Valve, Chemical, PP(W), 1/4" (EPDM)         | # 491401 |
| Check Valve, Viscous Chemical, PP, 1/2" HB (EPDM) | # 491403 |



## REQUIREMENTS

### Chemical Concentrate

#### Water

|             |                 |
|-------------|-----------------|
| Temperature | up to 160°F     |
| Pressure    | 35-125 PSI      |
| Flow        | 14 GPM @ 40 PSI |
| Supply Line | 1" Minimum      |

#### Compressed Air

Up to 80 PSI

### Dilution Ratio Range

1,600:1 to 9:1 @ 40 PSI

## APPLICATIONS

- Food & Beverage
- Filling Scrubbers
- Agriculture/Horticulture
- Animal Health
- Industrial
- Pharm/Bio
- And Many Other Applications!