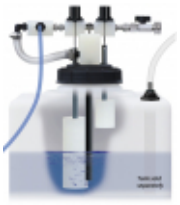
14 GPM Gemini High Flow Level Master™

MODEL # 989074











OVERVIEW

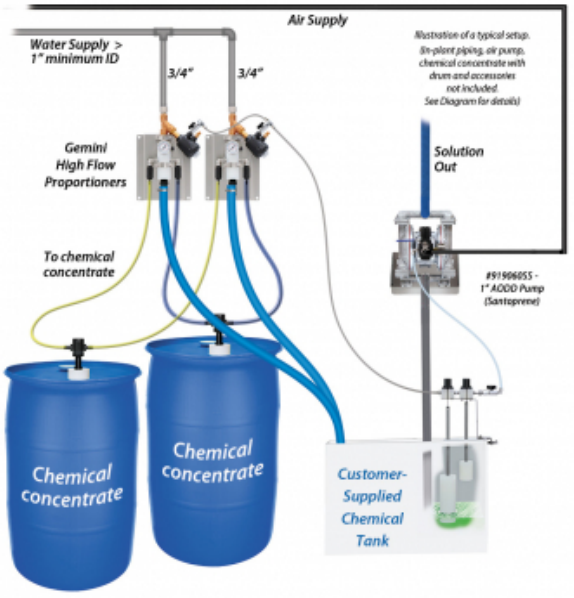
The 14 GPM Gemini High Flow Level Master™ is a water driven chemical proportioner that will dilute and blend 2 chemicals and automatically refill a customer-supplied tank with ready-to-use chemical solution at 14 GPM @ 40 PSI. When the solution in the tank drops below a pre-set level, the float valve 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!

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