

20 GPM HIGH FLOW LEVEL MASTER™ SYSTEM

MODEL # 989101

OVERVIEW

The 75.7L High Flow Level Master™ is a water driven chemical proportioner that will automatically refill a customer-supplied tank with ready-to-use chemical solution. When the solution in the tank drops below a pre-set level, the float valve triggers air-activated solenoids to start the flow of water. Using city water pressure (2.4-8.6 bar), this venturi system draws and blends chemical concentrate into the 80.2 L/min @ 2.8 bar water stream to create an accurately diluted solution. 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
- Refills at 80.2 L/min @ 2.8 bar to provide chemical for a 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
- Dilution ratio controlled with precision metering tips
- Chemical resistant wetted components ensure years of outstanding performance with minimal maintenance
- Industrial-strength design holds up in tough environments
- Available with a lower flow rate (# 989100)
- Available with a tank (# 989108)
- See all of our Level Master™ configurations and other Lafferty chemical management systems in [Catalogue 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 injector bodies
- 2 sets of 20 color-coded precision metering tips

OTHER ACCESSORY OPTIONS (SEE SIDE PANEL)

For Stronger Ratios or Viscous Chemicals

- 1/2" Chemical Pick-up Assembly (Viton) # 491404-A
- 1/2" Chemical Pick-up Assembly (EPDM) # 491403-A

4-Way Drum & Tote Stick Lengths & Seal Materials

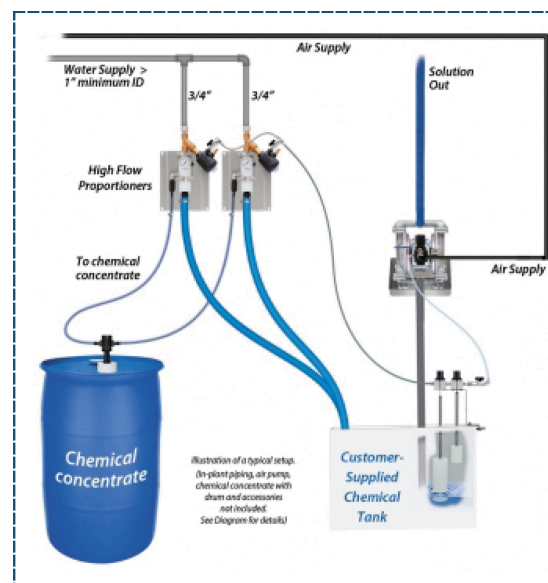
- 4-Way Drum Stick, 33" (Viton or EPDM) # 491644 / 491644-E
- 4-Way Drum Stick, 48" (Viton or EPDM) # 491649 / 491649-E
- 4-Way Tote Stick, 54" (Viton or EPDM) # 491657 / 491657-E

Stainless Steel Central Pump System

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

Alternate Chemical Check Valve - Viton Standard

- Check Valve, Chemical, PP(W), 1/4" (EPDM) # 491401



REQUIREMENTS

- Chemical Concentrate
- Water
 - Temperature: Up to 71.1 °
 - Pressure: 2.4 - 8.6 bar
 - Flow: 80.2 L/min @ 2.8 bar
 - Supply Line: 1" Minimum
- Compressed Air: 5.5 bar
- Dilution Ratio Range: 2,423:1 to 10:1 @ 2.8 bar

APPLICATIONS

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