

MODEL # 989100

OVERVIEW

The 10 GPM 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 an air-activated solenoid to start the flow of water. Using city water pressure (35 - 125 PSI), this venturi injection system draws and blends chemical concentrate into the 10.6 GPM @ 40 PSI water stream to create an accurately diluted solution. The system cycles continuously and a secondary fail-safe float prevents overfilling.



- Automatically maintains a pre-set level of ready-to-use chemical solution in a customer-supplied tank
- Refills at 10.6 GPM @ 40 PSI 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 higher flow rate (#989101)
- Available with a 60 gallon tank (#989106)
- 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
- Stainless steel Satellite Mixing Station mounting plate
- Air-activated water solenoid
- Machined polypropylene injector body
- 20 color-coded precision metering tips

OPTIONS

For Stronger Ratios or Viscous Chemicals

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

Drum & Tote Stick Lengths & Seal Materials

 Drum Stick, 33" (Viton or EPDM)
 # 491643 / 491643-E

 Drum Stick, 48" (Viton or EPDM)
 # 491648 / 491648-E

 Drum Stick, 54" (Viton or EPDM)
 # 491645 / 491645-E

 Tote Stick, 33" (Viton or EPDM)
 # 491653 / 491653-E

 Tote Stick, 48" (Viton or EPDM)
 # 491654 / 491654-E

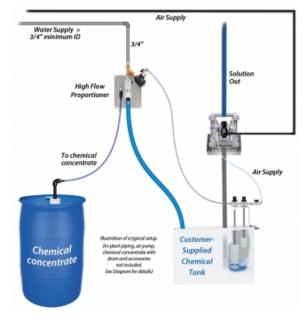
 Tote Stick, 54" (Viton or EPDM)
 # 491656 / 491656-E

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 160°F

 Pressure
 35 to 125 PSI

 Flow
 10.6 GPM @ 40 PSI

Supply Line 3/4"

Compressed Air Up to 80 PSI

Dilution Ratio Range 2,423:1 to 10:1 @ 40 PSI

APPLICATIONS

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











