# 20 GPM High Flow Level Master™ System

**MODEL # 989101**







## OVERVIEW

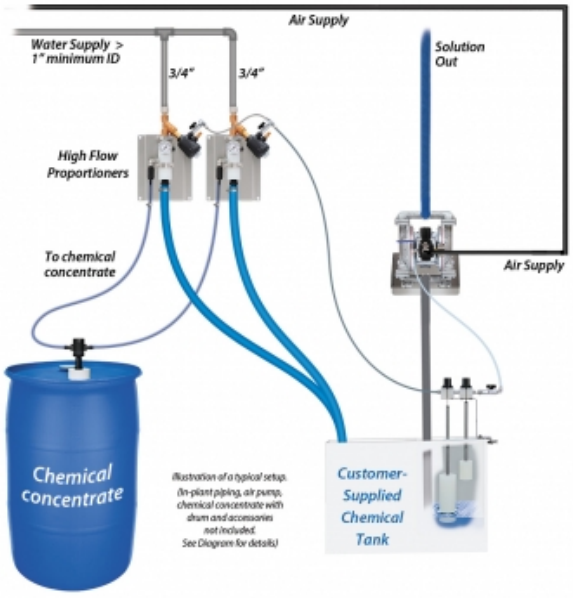
The 20 GPM High Flow Level Master™ is a water driven chemical proportioner that will automatically refill a customer-supplied tank with ready-to-use chemical solution. When the solution in the tank drops below a pre-set level, the float valve triggers air-activated solenoids to start the flow of water. Using city water pressure (35 - 125 PSI), this venturi system draws and blends chemical concentrate into the 21.2 GPM @ 40 PSI 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 21.2 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 lower flow rate (#989100)
- Available with a tank (#989108)
- 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 injector bodies
- 2 sets of 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 |

**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 160°F |
| Pressure | 35-125 PSI |
| Flow | 21.2 GPM @ 40 PSI |
| Supply Line | 1" Minimum |
| **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!

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