

16 Gallon Gemini Mini-Central System™ Complete

MODEL # 989160

OVERVIEW

The 16 Gallon Gemini Mini-Central System Complete is a water and compressed air driven, automated chemical handling system that separately dilutes two chemical concentrates and blends them into one accurately diluted solution then delivers pressurized solution to multiple application points. The compact design includes all of the back-room components for a small Pump Fed Central System

The unique Gemini™ "double venturi" injection system features two completely separated injectors in one body and uses city water pressure (35 - 125 PSI) to independently draw and blend two chemical concentrates into the water stream so the two solutions mix only as they fill the 16-gallon tank (at 7 GPM @ 40 PSI).

The incorporated Sandpiper Pump draws and delivers the combined solution to the application points. When the tank solution drops below a pre-set level, the float valve triggers an air-activated solenoid to start the water flow and chemical dilution process to refill the tank. A secondary fail-safe float prevents overfilling. The system cycles continuously, as needed, when the water and air supply are on.

Key Features

- Automatically maintains a pre-set level of ready-to-use chemical solution in the 16 gallon tank
- A rugged Sandpiper AODD Pump delivers chemical to user-supplied applicators as a central chemical feed system
- Pumps up to 9 GPM @ 60 PSI
- Refills at 7 GPM with 40 PSI water pressure and is capable of running several Pump Fed Foamers or Pump Fed Entryway Foam Sanitizers
- 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
- Self-contained design is ideal for smaller scale situations
- Available for a single chemical (#989155)
- Available with higher flow rates and larger tanks to operate more units (#989126, 989128)
- Industrial-strength design holds up in tough environments

Includes

- Stainless steel wall mounting bracket
- 16 gallon, heavy-duty, polyethylene chemical tank
- Sandpiper 1/2" Poly/Teflon Pump (Kynar/Teflon upgrade available)
- Air inlet ball valve
- Air regulator and gauge
- 2 machined magnetic float valves (primary and fail-safe) with solid polypropylene floats suspended by rigid CPVC push rods
- Stainless steel, air-activated water solenoid
- Machined polypropylene injector body
- 20 color-coded precision metering tips to set dilution ratios
- 10' flexible discharge hose

APPLICATIONS

- Agriculture/Horticulture
- Animal Health
- Vehicle Wash
- Food & Beverage
- Hatchery
- Industrial
- Any Pump Fed Application!



REQUIREMENTS

Chemical Concentrate

Water

Temperature	up to 160°F
Pressure	35 to 125 PSI
Flow	7 GPM @ 40 PSI
Supply Line	3/4"

Compressed Air

up to 12 CFM

Dilution Ratio Range

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

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