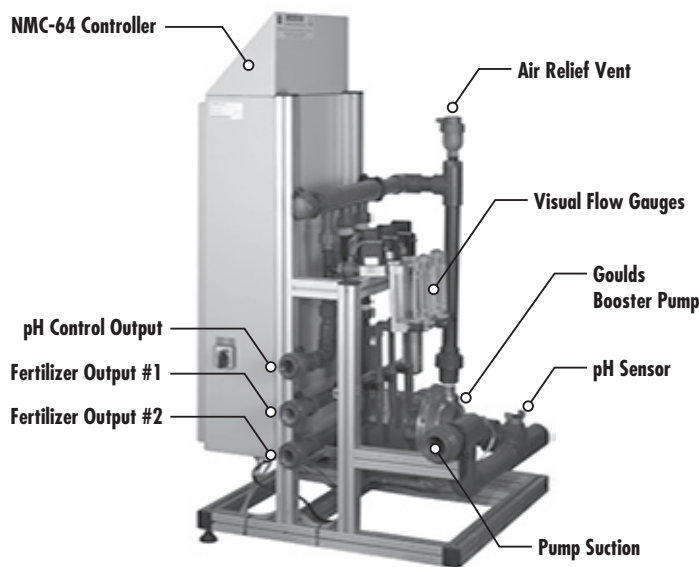




Precision Dosing and Irrigation System Control

Netafim's NetaJet™ provides continuous precision injection through dosing channels for fertilizer and pH control in one compact unit. Irrigation, fertigation and pH control results in low maintenance, reliability and system longevity. Precision control over inputs improves quality and yields while reducing labor costs.



Product Advantages

- One compact unit offering the highest quality components combining advanced hydro-technology with simple and reliable process control.
- Three precision, proportional dosing channels - two fertilizer at 0 - 60 GPH each and one pH control at 0 - 15 GPH.
- Operates over a wide flow range - 50 to 1,500 GPM.
- Full feature NMC-64 Controller - easy to program with expandable inputs/outputs.
- Includes integrated pH sensor for accurate monitoring of water pH with optional EC sensor.
- Visual flow gauges provide visibility for easy calibration.
- Standard with a Goulds Booster Pump and Mazzei® Venturi Injectors for quality and reliability.
- Safety features include positive seal valves and check valves, low pressure shut-down feature, and surge suppression on all inputs and outputs.
- Precision control of injection based on time, quantity, EC and pH sensors or proportioned to water flow to optimize system performance based on criteria determined by system manager.
- Unit requires little maintenance.
- Recommended options to enhance the performance of the NetaJet:
 - Netafim mainline Flow Meter and Fertilizer meters
 - Additional control outputs and EC sensor

Applications

- Agriculture applications include Orchards and Row Crops
- Greenhouses and Nurseries
- Landscape Large Turf Installations

Specifications

Power Requirements:

- Controller - 2 amps at 120VAC
- Booster Pump - 2 HP, 240VAC single phase (std.), 480VAC 3 phase (optional)

Standard Components:

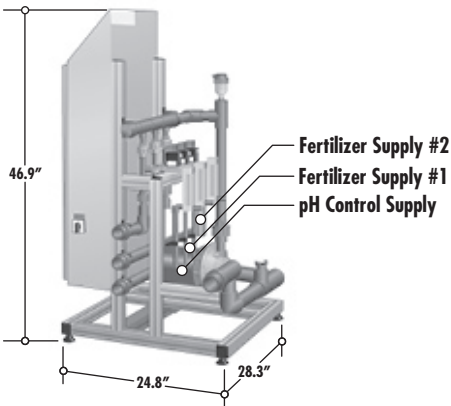
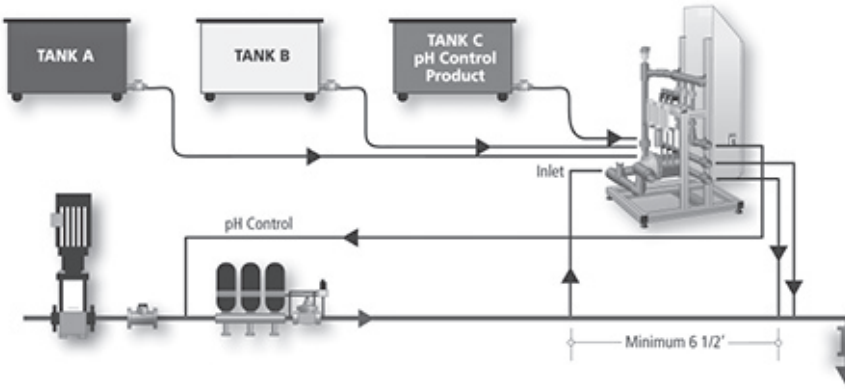
- Integrated pH sensor
- NMC-64 Controller with 4 available outputs (expandable to 64), 6 digital/pulsed inputs (expandable to 14), 10 analog inputs for EC, Temperature and Humidity

NMC-64 Controller Features

- Large graphic backlit LCD display for easy programming
- Controller graphs and logs all sensor data
- Controls pump starts, opens valves, activates filter flushing
- Expandable inputs and outputs with optional radio valve control
- Optional PC Software for controlling, monitoring, graphing and storing historical data from your office computer
- Superior software flexibility - up to 50 controllers can be connected in a network and presented in the same PC software
- Multiple options for link to office PC (wire, telephone or radio) to meet site requirements
- Refer to the NMC-64 Controller technical sheet for additional features and benefits

NetaJet™ Technical Information

SAMPLE NETAJET INSTALLATION



DIMENSIONS

Depth	24.8"
Width	28.3"
Height	46.9"
Weight	230 lbs.

CONNECTIONS

Booster Pump Suction	1 1/2" NPT Female Fitting*
Fertilizer 1 Output	1" NPT Female Fitting
Fertilizer 2 Output	1" NPT Female Fitting
Low Volume (pH) Output	1" NPT Female Fitting
Fertilizer and pH Supply Lines	1/2" ID Hose Barb Fitting

*Requires 2" supply line.

Notes: Use PVC Sch 80 or flexible PVC hose (UV protected) for all fertilizer and pH control supply lines. Lines over 15' in length, use 2" supply line. pH control product supply lines must be installed and maintained by the pH product supplier.

NETAJET PART NUMBERS

31NJ6430108	NetaJet 120/240VAC, Single Phase Goulds Pump, Two Fertilizer Injectors at 60 GPH, One pH Control or Fertilizer Injector at 15 GPH
31NJ6430308	NetaJet 240/480VAC, Three Phase Goulds Pump, Two Fertilizer Injectors at 60 GPH, One pH Control or Fertilizer Injector at 15 GPH
31NJ643E108	NetaJet 120/240VAC, Single Phase Goulds Pump, Two Fertilizer Injectors at 60 GPH, One pH Control or Fertilizer Injector at 15 GPH with EC sensor
31NJ643E308	NetaJet 240/480VAC, Three Phase Goulds Pump, Two Fertilizer Injectors at 60 GPH, One pH Control or Fertilizer Injector at 15 GPH with EC sensor

OPTIONAL EQUIPMENT

31NMCPCCKIT	PC Wired Interface Kit RS485 with Software
31NMC64PMKIT	Phone Modem Interface Kit with Software
31PHTEST	Hand Held pH Tester
31ECTEST	Hand Held EC Tester
23GALPDBRAK	Filter Pressure Differential Switch with Mounting Bracket

Note: Radio Interface available - call for price quote.

PARTS

281ST1G4A4	Goulds 2 HP Booster Pump, Single Phase, 120/240VAC
281ST1G5A4	Goulds 2 HP Booster Pump, Three Phase, 240/480VAC
31PHSENS	pH Sensor, High Pressure
31ECSENS	EC Sensor
31MAZZIE15	Venturi Mazzei® Injector 3/4", 15 GPH Kynar
31MAZZIE60	Venturi Mazzei® Injector 1", 60 GPH Polypropylene
31PRESSSWITCH	Pressure Switch
31FMVF	Visual Flow Meter for Fertilizer

Note: For a complete listing of NetaJet parts, electrical box components and PVC parts, please contact Netafim USA Customer Service.

NMC-64 CONTROLLER HARDWARE AND SOFTWARE FUNCTIONS

Surge Protection on 120VAC Power	1 External, 1 Internal System
Surge Protection on Optional Inputs and all Outputs	Yes
Alarms/Shut Down for High Flow, Under Flow or Uncontrolled Fertilizer or Water	Yes
EC and pH Monitoring with Alarms	pH Standard - EC Optional
Dosing Pump Outputs	8 Total - 3 Standard and up to 5 Additional Optional
Dosing Flow Meter Inputs	8 Optional
Dosing Programs	10
Fertigation and Irrigation Scheduling Options	Time, Quantity, Proportion to Quantity, Proportional Time or EC Sensor (Optional)
24VAC Internal Transformer	250 VA

Notes: For additional NMC-64 Controller Specifications, refer to the NMC-64 Controller Technical Sheet.

Netafim USA - Delivering Total System Solutions for Agriculture

- Dripplines • Sprinklers • Filters • Valves • Air Vents • Flow Meters • Crop Management Technologies



For more information call your Authorized Netafim USA Distributor or call Netafim USA Customer Service at (888) 638-2346.