



# LL-80000

## Large, commercial laundry chemical injection system

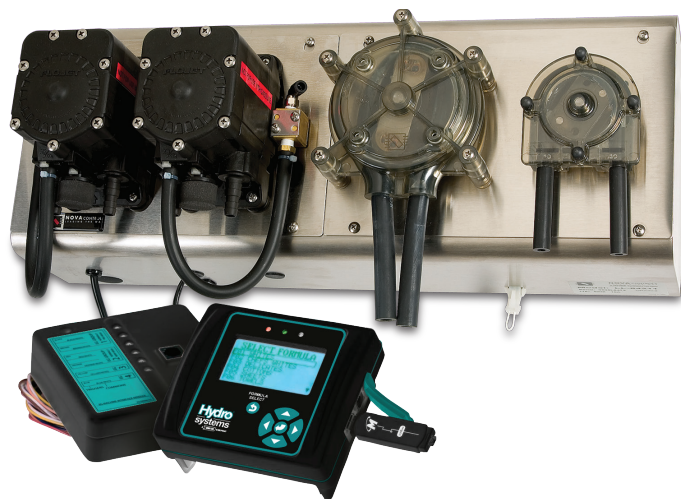
The LL-80000 large laundry system is comprised of a controller machine interface and a wall-mounted pump stand. A sealed keypad and modern LCD display provide simple control of this powerful liquid dispensing system.

Liquid laundry products are automatically transferred from the shipping containers to the washer, safely and accurately.

- The flexibility of 20 chemical formulas
- Pumps capacity from 18 oz. to 48 oz. per minute
- Handles up to 8 chemicals
- Automatic load, usage and cost recording
- Download reports to a laptop via USB memory stick
- Flush manifold (optional) connection
- Tunnel washer pump stand features direct drive and high output diaphragm pumps

### Total Eclipse Controller for LL-80000

The Total Eclipse controller features the latest in laundry controller technology. It has a 20 formula capacity and features Auto Formula Select. A - B - C chemical quantities for each of the eight pumps available in each formula. This controller is not to be used with tunnel washers.





## System Advantages

**Heavy-Duty Pumps** – The LL-80000 has the option of air driven double diaphragm pumps, 48 oz. per minute and/or 18 oz. per minute peristaltic pumps. The peristaltic type pumps feature heavy-duty construction with a five-point mounting bolt system. The high output pumps are diaphragm based.

**Security** – You program your own password into the Total Eclipse controller. This restricts access to the programming menus. Yet, you also have the flexibility to allow limited customer access to recorded data with a separate password.

**Modular Construction** – The LL-80000 system puts the controller where you need it – on or close to the washer. The pumps can be installed in the best location, close to the product drums. Hydro's J-cable connects the two.

**Formula Power** – You may program and select up to 20 different chemical formulas with the LL-80000 system. You can tailor the formula exactly to the chemicals and wash requirement. Three different quantities per pump per formula if needed. The LL-80000 uses a combination of 48 oz. per minute and 18 oz. per minute pumps. This maximizes your formula efficiency.

**Easy Set-Up** – All programming and formula selection is done with the keypad on the controller or via USB memory stick. No special boxes or external accessories are needed. A LCD display lets you review your formula or selected options. The components connect with Hydro's reliable J-cable connectors.

**Safety** – All J-cable wiring is safe and low voltage. Conduit is not required. Washer signals are received and processed by the Super Isolated Machine Interface.

**Management Reports** – The Total Eclipse controller features a production and consumption reports as well as diagnostic and set-up reports available for download to a USB memory stick.

**Flush Mode** – Orion LL pumpstands have flush logic that provides for a preflush to ensure water is flowing through the flush manifold (optional) while pumping to dilute the concentrated chemicals and a post flush which is programmable to ensure all the product is delivered to the washer.

### LL-80000 Specifications

Model	Description
LL-84 ABC	A = # of H.O. air pumps, B = # of 46 oz./min. pumps, C = # of 18 oz./min. pumps
LL-86 ABC	A = # of H.O. air pumps, B = # of 46 oz./min. pumps, C = # of 18 oz./min. pumps
LL-88 ABC	A = # of H.O. air pumps, B = # of 46 oz./min. pumps, C = # of 18 oz./min. pumps



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