CP/LD/PR-Class Pumps

Quick-Start & Safety Warnings

903037 Rev C

TELEDYNE SSI
Everywhereyoulook™

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Warning Symbols and Task Specific Hazard Warnings:

The following warning symbols are present to alert you to risks that can arise when you install, operate or maintain the CP/LD/PR Class pumps. Such risks include chemical exposure, electric shocks, and others.

When the following symbols appear in the manual, as well as words such as "**CAUTION, NOTE,** or **WARNING**," their accompanying text identifies the specific risks and explains how to avoid them. Teledyne SSI assumes no liability for the misuse of the information described in this manual in regards to installation, repair, or operation of the CP, LD, or PR Class pumps and their components.

SAFETY SYMBOLS


CAUTION – HIGH VOLTAGE


CAUTION – REFER TO MANUAL


EARTH GROUND

SYMBOLES DE SÉCURITÉ


ATTENTION – HAUTE TENSION


ATTENTION – SE REPORTER AU MANUEL


TERRE

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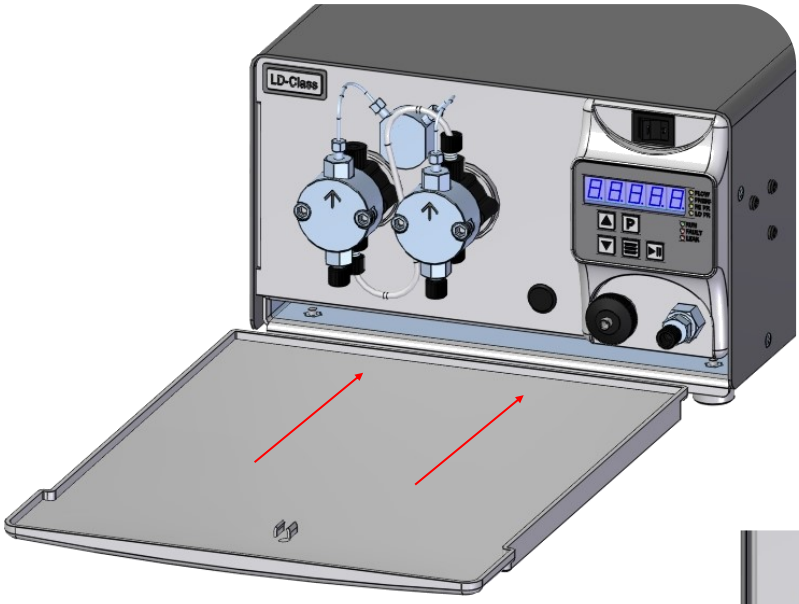
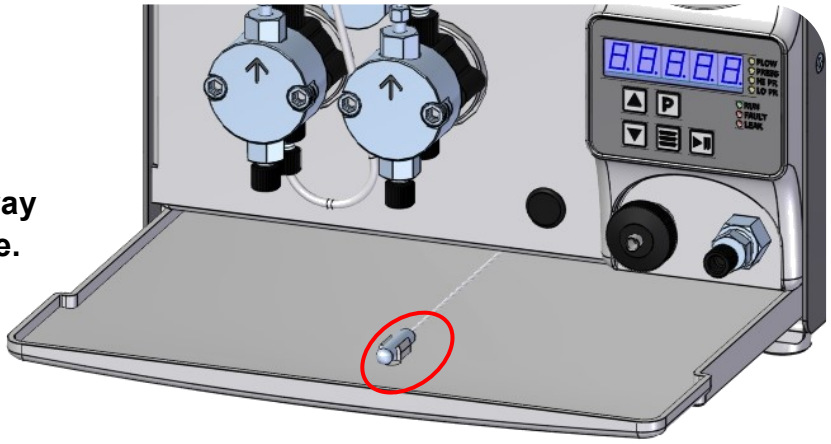
LEAK SENSOR AND DRIP TRAY

The drip tray does not ship installed; Locate the drip tray and slide it into its slot towards the bottom of the pump until it is fully installed. If the pump is supplied with a leak sensor, install this into the slot in the drip tray. Please note, the leak sensor is connected to the control board inside the pump; do not pull on the leak sensor or attempt to completely remove this from the pump unless it is first disconnected from the board.



The drip tray is to be installed in the slot near the bottom of the pump.

When the drip tray is about half way in; snap the leak sensor into place.



After the leak sensor is installed, the drip tray may be slid all the way back.

TUBING CONNECTIONS

CAUTION: Always release pressure from the pump slowly. A rapid pressure release could cause the pulse dampener diaphragm to rupture. Please refer to "Priming the Pump and Flush Line" in the manual for more information.

Solutions of 250-500mL of either 100% IPA, 100% Methanol, 20% IPA/water mix, or 20% Methanol/water mix are the required choices for the flush solution. Do not use only water for the self-flush solution (e.g. DI water, tap water, filtered water), as water alone can cause abrasion of the high-pressure piston seal, as well as the self-flush seal. If there is any doubt about which self-flush solution to use, please consult the factory.

Self-Flush

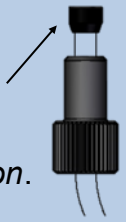
- Connect self-flush solution **inlet** tubing to the **bottom-right** self-flush check valve, and the **outlet** tubing to the **top-left** self-flush check valve as shown.

Note: The self-flush housings are interconnected at the factory for flow-through with a single inlet/outlet.

- Attach syringe to outlet self-flush tubing using the supplied piece of short tubing..
- Draw syringe back to prime.
- After liquid has been pulled through the tubing into the syringe, remove syringe and place tubing in self-flush solution.

**Replace self-flush solution weekly.*

Pump

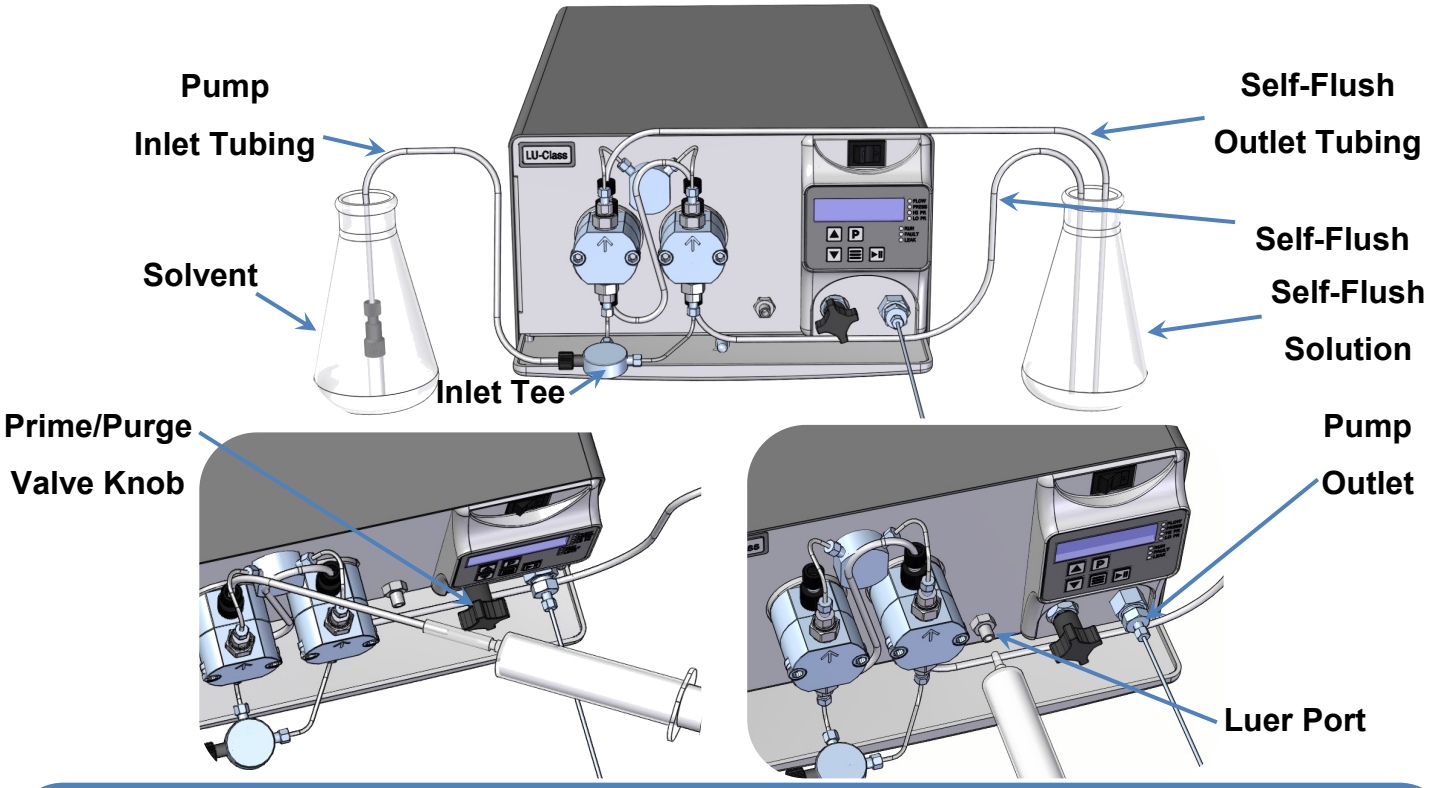


- Connect pump inlet tubing as shown. *Make sure ferrule is in the correct position*.
- Attach syringe to Prime/Purge valve.
- Open Prime/Purge valve by turning knob counterclockwise one to two turns.
- Draw syringe back to prime. *Draw approximately 20 mL of fluid.*
- Press PRIME button (P), continue to draw on syringe until no bubbles are seen.
- Close Prime / Purge valve.
- Press PRIME button (P).
- Remove syringe.

TUBING CONNECTIONS -

CP ULTRA HIGH PRESSURE VERSION

Solutions of 250-500mL of either 100% IPA, 100% Methanol, 20% IPA/water mix, or 20% Methanol/water mix are the required choices for the flush solution. Do not use only water for the self-flush solution (e.g. DI water, tap water, filtered water), as water alone can cause abrasion of the high-pressure piston seal, as well as the self-flush seal. If there is any doubt about which self-flush solution to use, please consult the factory.



Self-Flush

- Connect self-flush solution **inlet** tubing to the **bottom-right** self-flush check valve, and the **outlet** tubing to the **top-left** self-flush check valve as shown.

Note: The self-flush housings are interconnected at the factory for flow-through with a single inlet/outlet.

- Attach syringe to outlet self-flush tubing using the supplied piece of short tubing.
- Draw syringe back to prime.
- After liquid has been pulled through the tubing into the syringe, remove syringe and place tubing in self-flush solution.

**Replace self-flush solution weekly.*

Pump

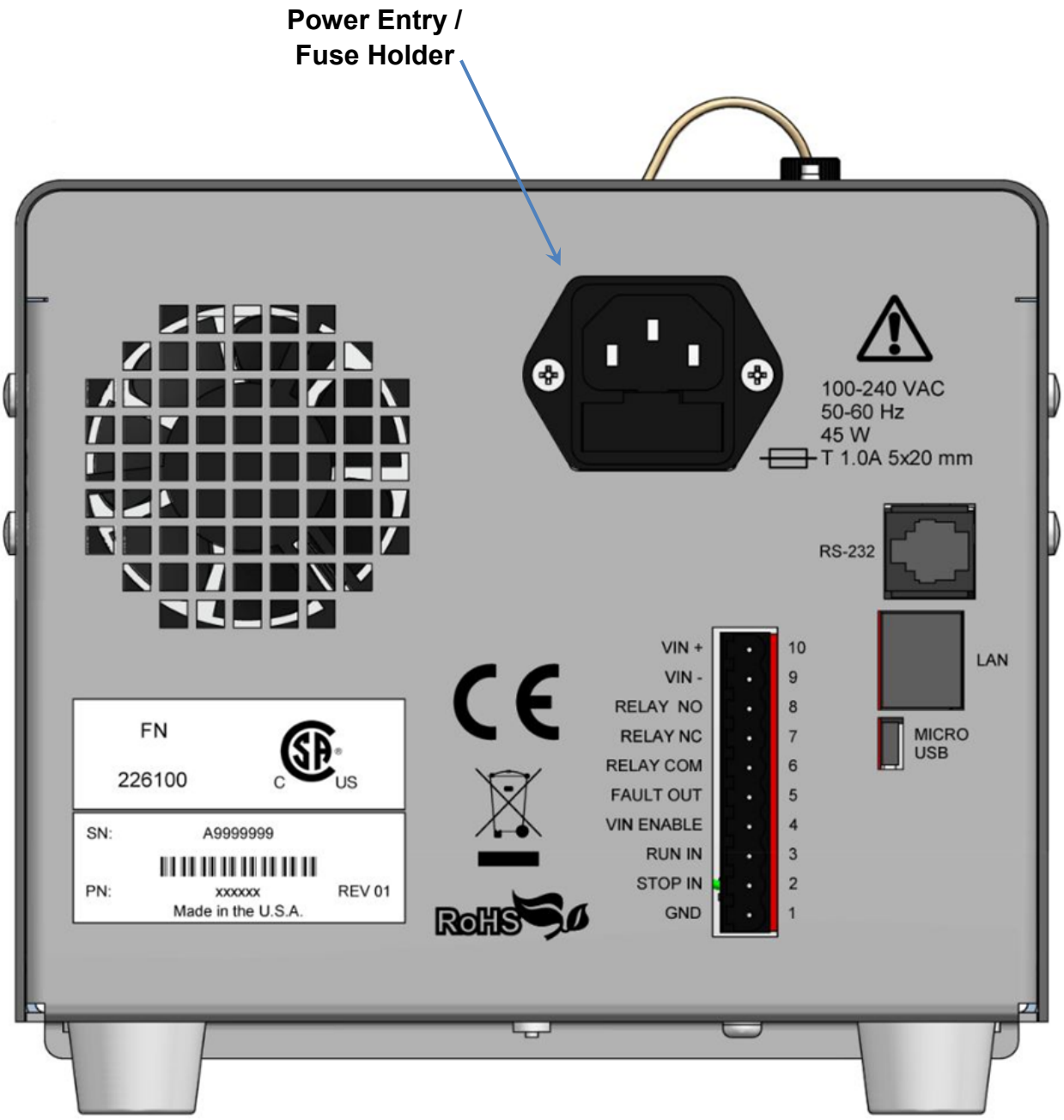
- Connect pump inlet tubing as shown.

Make sure ferrule is in the correct position.

- Attach syringe to Luer port.
- Open Prime/Purge valve by turning knob counterclockwise one to two turns.
- Draw syringe back to prime. *Draw approximately 20 mL of fluid.*
- Press PRIME button (P), continue to draw on syringe until no bubbles are seen.
- Close Prime / Purge valve.
- Press PRIME button (P).
- Remove syringe.

ELECTRICAL CONNECTIONS

Micro USB, RS-232C and LAN ports are provided on the back panel. A computer with appropriate software can be used to control the pump operation remotely via these connections. See Appendix A in the manual for more details on connections and operation.



WARNING: Do not bypass the safety ground connection as a serious shock hazard could result.

For your operator manual please visit: Documents, Manuals, and Downloads - Teledyne SSI (www.teledynessi.com/manuals)

Issues may often be resolved without returning the instrument to the service center. Please call the applicable Repair Services number below prior to requesting a RMA.

Company Contact Information

Teledyne SSI

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800-441-HPLC (4752)
Technical Support: 814-234-7311
Sales: Option 2
Technical & Service Support: Option 3