

4800 Maintenance Instruction

Draining the Ink System



Equipment Required

FA74005	Damper Drain Tube	
BP940060	4800 Security Key	
BP999045	Gloves Latex Medical (large))
BP999046	Gloves Latex Medical (medium)) as required
BP999047	Gloves Latex Medical (small))
BP999076	Safety Spectacles Blue	
	Waste ink container (at least 5 litre capacity)	
	Absorbent, lint-free paper towel	

Procedure



WARNING: HAZARDOUS INKS AND SOLVENTS. SAFETY GLASSES AND SOLVENT RESISTANT PROTECTIVE GLOVES MUST BE WORN THROUGHOUT THE FOLLOWING PROCEDURE. FAILURE TO COMPLY WITH THIS SAFETY WARNING COULD RESULT IN IRRITATION AND REVERSIBLE LOCAL DAMAGE TO THE EYES, AND NON-ALLERGIC CONTACT DERMATITIS.

- 1 Switch off the printer and disconnect it from the mains electrical supply.
- 2 Remove the ink and solvent filler caps.
- 3 Remove the three security screws from the rear of the top cover using the Security Key and remove the cover. Position the cover so that the keyboard can be accessed.
- 4 Temporarily refit the ink and solvent filler caps to reduce evaporation of the ink and solvent.
- 5 Carefully lift the feed damper clear of the ink system enclosure.
- 6 Hold the feed damper in the vertical position with the drain cap uppermost. Remove the drain cap and connect the Damper Drain Tube Luer fitting (included in the Damper Drain Tube kit) to the damper drain.

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- 7 Insert the other end of the drain tube into a waste container of at least 5 litres capacity. Orientate the damper so that the drain is at the bottom, i.e. at its lowest position (see figure 1).

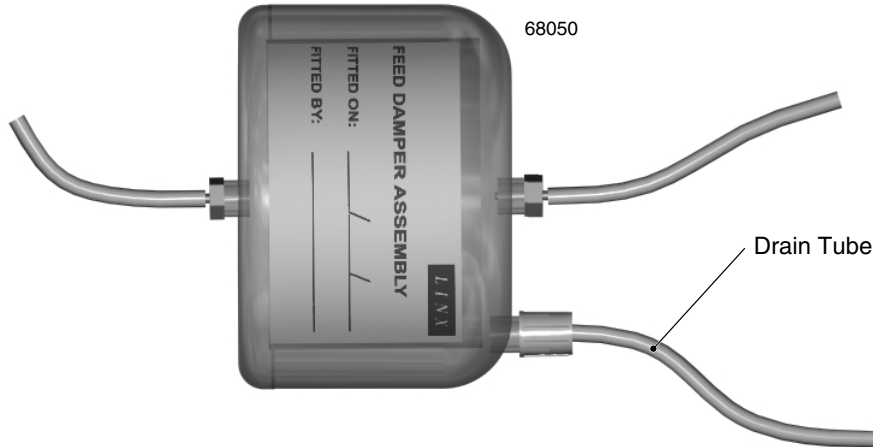


Figure 1. Feed Damper with Drain Tube Connected

- 8 Switch the printer on and select the System Flush option from the DIAGNOSTICS menu, which will display the following screen:

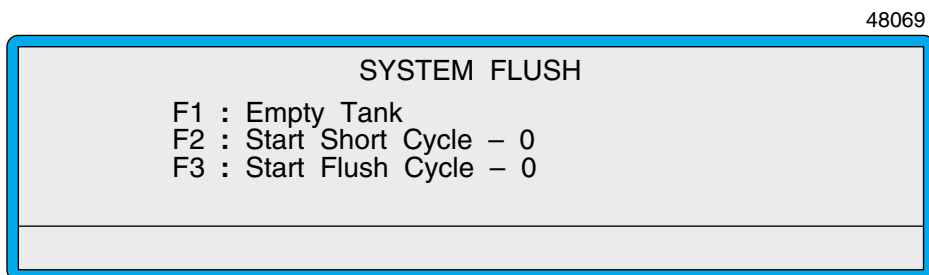


Figure 2. System Flush Screen (Empty Tank option)

- 9 Press [F1] to select the Empty Tank option. The SYSTEM FLUSH screen content will change to the following:

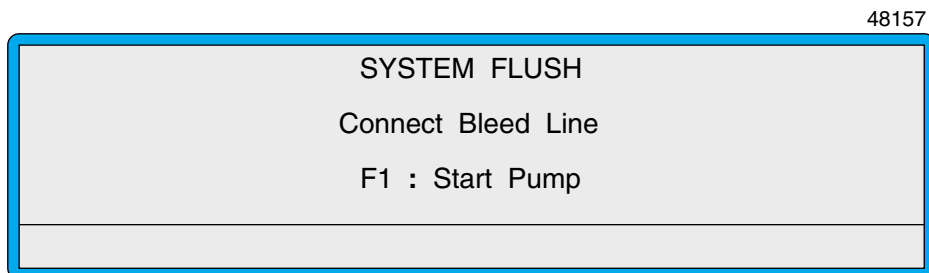


Figure 3. System Flush Screen (Start Pump)

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- 10 Press [F1] to start the pump. The pump will run at maximum pressure for 1 minute or until [F1] is pressed to stop the pump (this option appears on the screen while the pump is running). See figure 4:

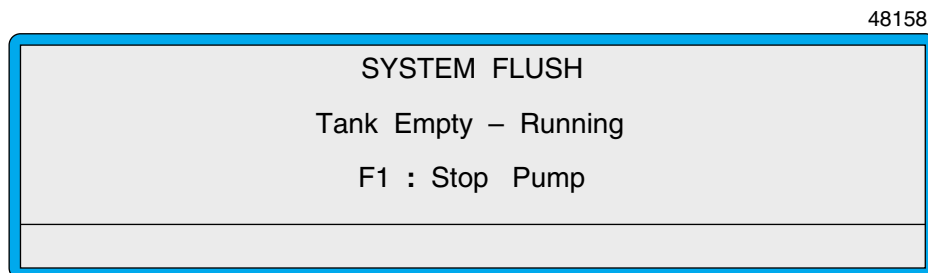


Figure 4. System Flush Screen (Stop Pump)

CAUTION: Pump damage. Do not allow the ink system pump to run dry. Initiate the Empty Tank cycle only the number of times required to empty the system of ink. The pump should not be run for longer than 30 seconds after it becomes noisy through ink starvation (cavitation). Damage to the pump will result if it is allowed to run continuously in a dry condition.

- 11 If the tank is not empty after 1 minute, press [F1] (Start Pump) again to repeat the operation.
- 12 Ensure the “3.03 Ink Low” error message is displayed.
- 13 When the audible pitch of the pump changes press [F1] to stop the pump.
- 14 Switch the printer off.
- 15 Disconnect the drain tube from the damper and refit the drain cap.
- 16 Remove the ink and solvent filler caps.
- 17 Refit the top cover and the three security screws.
- 18 Refit the ink and solvent filler caps.
- 19 The “Draining the Ink System” instruction is now completed.