
Air in Lines

AnaJet®

Technical Support

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Contact Info

Corporate Office: **AnaJet Inc.**
3050 Redhill Ave
Costa Mesa, CA 92626
USA

Telephone: **714.668.6000**
Toll Free: **877-6-ANAJET (877.626-2538)**
Fax: **714.662.3600**

Revision History

Revision	Description	Author	Date
1.0	Initial release.	Paul Green- Product Manager	4/4/12
1.1	mPi Series	Robert Herman- Technical Support	2/19/14

Troubleshooting Air in the Tubes

Introduction

This is a troubleshooting guide on how to resolve issues with air or gaps in the ink tubes which cause banding, color drop out and bad nozzle checks.

Scope

This applies to mPower-I series printers only.

Symptoms

- Color drops out and comes back.
- Visible gaps in ink tubes.
- Poor nozzle checks after head cleans, missing channel.
- Banding in prints.

Possible causes and solution

1. Printing or cleans have been completed with an empty cartridge drawing air into ink tubes.

If air has entered the system due to an empty cartridge:

- Replace empty cartridge (after shaking to agitate the ink).
- Perform a print head clean all heavy from the main menu followed by a clean all light. Inspect the lines for any gaps.
- If the gaps are still visible, run the startup fill function in the maintenance menu. Fill the Print Lines for 20 seconds. Only perform a purge line fill for 40 seconds, if it was a white ink cartridge that ran out of ink. Continue with the fills until the gaps are filled in.
- If the gaps filled in, perform a wipe nozzle, adjust table height then print a nozzle check.



If the gaps are not filling in, there may be another issue:

- Possible leaking or cracked valve. See valve replacement TD&R document, contact technical support.
- Printer not filled properly during initial set up. Follow the instructions from cause number 1.
- Printer has been turned on but left for over a week. Follow the instructions from cause number 1.

Tiny bubbles seen in the ink lines are not an issue and will dissipate when they reach the damper.