



## Technical Notes

Necessary Use of the Ink Charge

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**Applicable Models:** AnaJet FP-125 printer series

Approximately 95% of all nozzle clogs and can be resolved in under five minutes using the ink charge.

The ink charge does use a fair amount of ink; for this reason, it is recommended that operators try other methods to try and restore ink nozzles prior to using the ink charge. For the most minor issues of nozzle we recommend that you use the print purge. For more moderate issues of nozzle we recommend the head clean. If after trying three head cleans the nozzles won't restore then we recommend using the ink charge.

With the AnaJet and all ink jet printers, what we are constantly battling is the print head drying out. Ink drying on the print head and debris such as lint from garments are the most common causes for missing nozzles. Forcing ink through the systems helps to flush debris and dry ink out of the print head nozzles and off the nozzle plate.

The type of ink used is the reason why keeping nozzles flow is so important on an AnaJet versus a paper printer. The chemists that develop our inks have to create a balance.

1. The ink must be safe to operate with and be safe to wear (chemically mild).
2. The ink must be durable and resist washing away and fading.
3. It must have good appearance qualities (example white ink needs to look opaque).
4. It must be easy for an inkjet print head to fire.

Striking a balance with all of those items can be challenging. That is why AnaJet partners with only the finest Ink Chemists in the world to provide ink for AnaJet owners. Nevertheless, the technology of digital printing directly onto garments is new. As time goes on, we expect improvements in ink will help reduce the amount maintenance required, and you can expect as improved inks become available to AnaJet, we will make them available to you, our customers.

Some ink must be used just to maintain the printer. This is the nature of inkjet technology. If you do not have enough shirts orders to justify using doing the necessary maintenance, please flush the line with cleaning solution. Once the ink is removed, the printer can be turned off until it is ready to be used again.