

Instructions for using the Permajet Refillable Cleaning Cartridges with the Epson 2100, R1800 and R2400 printers

PLEASE NOTE: CLEANING FLUID MUST BE DILUTED PRIOR TO USE – SEE BELOW

Kit checklist

Before proceeding, please ensure that you have the following items in your kit:-

Epson R1800 kit

- 1) 8 x individual ink cartridges, each marked with a different coloured label (matt black, photo black, yellow, cyan, magenta, blue, red, gloss optimiser)
- 2) 1 x pair of latex disposable gloves
- 3) 1 x 20ml syringe
- 4) 1 x bottle of concentrate cleaning fluid

Epson R1900 kit

- 5) 8 x individual ink cartridges, each marked with a different coloured label (matt black, photo black, yellow, cyan, magenta, blue, red, gloss optimiser)
- 6) 1 x pair of latex disposable gloves
- 7) 1 x 20ml syringe
- 8) 1 x bottle of concentrate cleaning fluid

Epson 2100 kit

- 1) 7 x individual ink cartridges, each marked with a different coloured label (photo black, light black, yellow, cyan, light cyan, magenta, light magenta)
- 2) 1 x pair of latex disposable gloves
- 3) 1 x 20ml syringe
- 4) 1 x bottle of concentrate cleaning fluid

Epson R2400 kit

- 1) 8 x individual ink cartridges, each marked with a different coloured label (photo **OR** matt black, light light black, light black, yellow, cyan, light cyan, magenta, light magenta)
- 2) 1 x pair of latex disposable gloves
- 3) 1 x 20ml syringe
- 4) 1 x bottle of concentrate cleaning fluid

Epson R2880 kit

- 5) 8 x individual ink cartridges, each marked with a different coloured label (photo **OR** matt black, light light black, light black, yellow, cyan, light cyan, magenta, light magenta)
- 6) 1 x pair of latex disposable gloves
- 7) 1 x 20ml syringe
- 8) 1 x bottle of concentrate cleaning fluid

DILUTING THE CLEANING FLUID

ALWAYS begin by diluting the cleaning fluid with water at a ratio of 1 part cleaning fluid to 9 parts water. This can be done in any domestic glass jug or bowl.

We would suggest that you make up 100ml of diluted solution at a time.
i.e. 90ml Cleaning Fluid + 10ml Water = 100ml working cleaning solution.

(In certain circumstances, you may wish to increase the concentration of the solution up to 1 part cleaning fluid to 4 parts water if necessary.)

General advice

- 1) Ensure that you have plenty of space to lay out the cartridges and cleaning fluid. We suggest that you carry out the filling away from the vicinity of your printer.
- 2) Lay newspaper out to protect your table/desk just in case of spillage. It is best to carry out this exercise on a stainless steel sink drainer.

Filling Instructions

Epson 2100 kit only

Step 1

Take one cartridge, and remove the coloured bung **nearest** to the microchip. This reveals the **filling hole. The cleaning fluid will be syringed into this hole.**

Leave the other bung in place. This covers the air inlet hole.

Step 2

Using the syringe (ensuring you are wearing the latex gloves provided), draw up 10ml of cleaning fluid from your previously diluted container.

Step 3

Place the syringe firmly into the **filler hole**. This is a tight fit to ensure that a proper seal is made. At this point, **DO NOT** inject the fluid into the cartridge. Instead, draw up 5-10 ml of air into the syringe from the empty cartridge, thus creating a partial vacuum in the cartridge.

Step 4

When you release the syringe plunger, the fluid in the syringe will be slowly drawn into the cartridge. Repeat steps 2, 3 and 4 until the cartridge is three quarters full of fluid.

Step 5

Once you have filled the cartridge, re-insert the rubber bung **into the filler hole**.

Now remove the bung from the other end (air inlet hole), and install the cartridge into the printer exactly as you would a standard Epson Cartridge, ensuring that it clicks firmly into position.

Put the bung from the air inlet hole in a safe place.

Step 6

Repeat this process for all of the other cartridges, and insert them into the printer. Leave the cartridges in the printer to sit for around 2 hours to allow any residual air in the fluid to settle at the surface (Sometimes this can take up to 24 hours).

Epson R1800, R1900, R2400 and R2880 kits

Step 1

Take one cartridge, and remove the coloured bung from the hole at the top of the cartridge **furthest away from** the microchip. This reveals the **filling hole. The fluid will be syringed into this hole.** Leave the bung in the other hole (the air inlet hole).

Step 2

Using the syringe (and wearing the latex gloves provided), draw up 5 -10ml of cleaning fluid.

Step 3

Whilst holding the cartridge upright in one hand, insert the syringe firmly into the filler hole of the cartridge. This is a tight fit to ensure that a proper seal is made. At this point, **DO NOT** inject the fluid into the cartridge.

Instead, draw up approx. 5 -10ml of air into the syringe from the empty cartridge, thus creating a partial vacuum in the cartridge.

Step 4

When you release the syringe plunger, the fluid in the syringe will be slowly drawn into the cartridge. Repeat steps 3 and 4 until the cartridge is three quarters full of fluid.

Step 5

Once you have filled the cartridge, re-insert the rubber bung **into the filler hole.**

Now remove the bung from the other end (air inlet hole), and install the cartridge into the printer exactly as you would a standard Epson Cartridge, ensuring that it clicks firmly into position.

Put the bung from the air inlet hole in a safe place.

Step 6

Repeat this process for all of the other cartridges, so that you finish up with your printer full of refillable cartridges. Leave the cartridges in the printer to sit for around 2 hours to allow any residual air in the fluid to settle at the surface (Sometimes this can take up to 24 hours).

Using the Cartridges

Using your usual software, open the CD supplied and locate and open the purge page file suited to your printer type. Print this purge page as required on plain paper at 1440dpi until there is no further trace of ink showing on the paper, i.e. only cleaning fluid is being printed.

At this point, it is certain that all traces of old ink have been removed and you may proceed to re-insert the air-inlet bungs and then remove all the cleaning cartridges.

Re-insert your original cartridges and proceed to use your printer again as normal.

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