



### The CartClip® Activator

The CartClip® Activator set has been designed to be the perfect pre-firing chamber priming tool for inkjet cartridges. The following functions are possible:

- Removing trapped air bubbles from the pre-firing chamber.
- Filling the pre-firing chamber with solid air free ink without using expensive vacuum filling equipment.

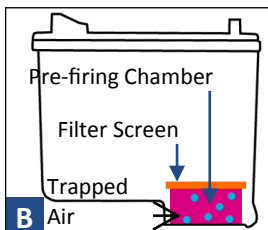
User Instructions for:

40100054 CartClip® Activator Hewlett Packard 337/339

40100055 CartClip® Activator Hewlett Packard 27/56/338 > fig. A

Content: Black cartridge kit 40100054 + 40100055: one clip (transparent) with pad and one syringe 2,5 ml

The sealing gaskets of the syringes are liable to abrasion. The syringes are consumable supplies which can be ordered separately from us.



### The "Pre-Firing Chamber" > fig. B

The pre-firing chamber is the area between the filter screen and the nozzles, this area must be solid ink with no air bubbles present to enable the mechanics of the cartridge to function. The ink transfer from the foam to the nozzles heaters is made inside.

*What happens if the "Pre-Firing Chamber" contains air bubbles?*

The first and most obvious signs that there are air bubbles in the pre-firing chambers are the appearance of white lines in the print or in extreme cases, complete ink starvation to a specific colour. This is due to the air bubble blocking the path of the ink to the nozzles.



### Priming a re-filled cartridge

- 1) Place the cartridge into the Activator clip.

*Note: The Activator Clip MUST be vertical at this time.*

- 2) Operate the syringe a few times to ensure that the plunger is operating smoothly.
- 3) Fill the syringe with ink to the 1.2 ml mark on the syringe barrel and insert it with the jet plate facing up

into the connector of the clip.

- 4) While keeping the syringe perfectly vertical and the syringe plunger between your thumb and forefinger,

slowly withdraw the plunger to the 2.0 ml mark on the syringe barrel *and hold.* > fig. C

You should now see an air bubble slowly growing at the tip of the syringe. If the air bubble stays still,

the syringe plunger should be slowly withdrawn a further 0.1 ml, the aim is to pull the air bubble out so that

it floats out through the ink to the syringe plunger.

The air bubble can now be seen rising through the ink, with a second following close behind.

- 5) *As slowly as possible* deliver the ink from the syringe through the nozzles and *stop* at an ink level of 0.2 ml.

Now wait a few seconds and withdraw the ink level to the 0.3 ml mark in order to allow the pres-  
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