



Scope of delivery:

- 2 HPLuer #JE1083
- 2 Syringes with Luer-Lock-Connector, 60ml

**CNC milled high precision parts
Made in Germany**

The following cartridges can be filled with the HPLuer:

HP 932, HP 932 XL, HP 933, HP 933 XL, HP 950, HP 950 XL, HP 951, HP 951 XL

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1. Only empty HP OEM cartridges are qualified for the refill with the HPLuer.
The HPLuer was constructed to fit exactly into the ink egress of the cartridge.

Please seal all ventilation slots next to the OEM label.
The position of the slots are different between black and colored cartridges. It might be necessary to seal a slot around the edge.
We recommend the orange Canon adhesive tape.



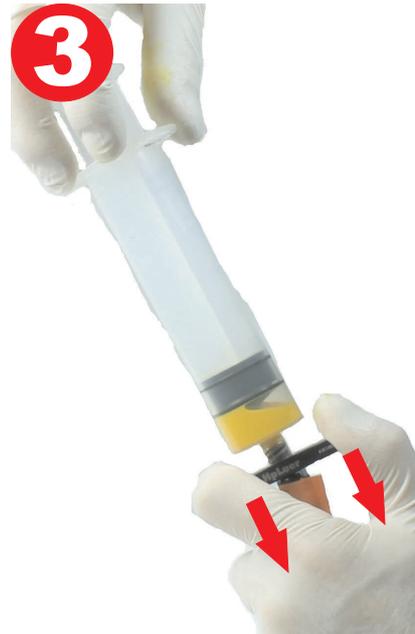
Please note that the cartridges HP 950XL and HP 932XL have two additional ventilation slots (a round and a square one) next to the ink egress.
These two slots have to be sealed, too. Otherwise you cannot create a vacuum.



2. Prepare one of the included 60ml Luer-Lock syringes with the requested amount of ink. Redundant air should be removed as far as possible.

Connect a HPLuer to the syringe. Pay attention not to overtighten the thread. Otherwise it will be damaged.

Connect the HPLuer with the ink egress.



3. Take the cartridge in one hand and connect the bottom of the HPLuer to the ink egress. As shown in the picture use two fingers to pull the HPLuer down to seal the ink egress.

Tip:
You can use a small bench vise to fix the cartridge to get your hands free.



4. Pull the plunger of the syringe up to the maximum to create a vacuum within the cartridge. Now you see air bubbles rise in the ink. Please remain in this position until you do not see any air bubbles rise.



5. Release the plunger. The ink in the syringe will be soaked in by the vacuum. Meanwhile the plunger moves down. If the plunger stops moving, slightly press the remaining ink into the cartridge. The last step has to be a gentle pull movement to get a pressure compensation within the cartridge. Now remove the HPLuer. Please check the full weight.

IMPORTANT INFORMATION!

For cartridges with a high volume like the HP950XL and HP932XL you should split the filling amount in two halves and repeat the steps in point 5 until the complete ink amount is filled in.:

e.g. HP950XL:

- Take a 60cc syringe with 40cc of ink.
- The first move of the plunger has to be a pull up movement to create a vacuum.
- Release the plunger to let some ink flow into the cartridge.
- Push down the plunger slightly to press some ink into the cartridge until you feel a resistance.
- Pull up the plunger again to extract air until no air bubbles rise.
- Push down the plunger slightly to press in the rest of ink.
- Pull up the plunger again to extract the air until ink follows.
- Now one half of the filling amount should be in the cartridge.
- Repeat the above steps with the second amount (41cc) of ink

Remember that the last move should be to pull up the plunger to compensate the pressure in the cartridge.

Otherwise ink will leak when you remove the HpLuer from the ink egress.