

QU-Fill™ professional refill tool



The QU-FILL™ *professional* refill tool enables You to refill HP 950, 951, HP 932, 933 and HP 970, 971 inkjet cartridges without further modifications of the cartridge. A few preparing steps and You open the spring valve in the ink outlet by using the QU-FILL™ *professional* refill tool, You create negative pressure in the inside of the cartridge and the refill ink is sucked into the cartridge out of the refill syringe.

The cartridge series HP 932, 933, HP 950, 951, HP 970, 971 have several air ports. The method refilling by negative pressure requires these openings to be closed. You

can use simple adhesive tape or Q-Dot adhesive pads for that purpose.

The following openings at the cartridges have to be sealed for refilling:
HP 932, 933:



HP 950, 951:



HP 970, 971:

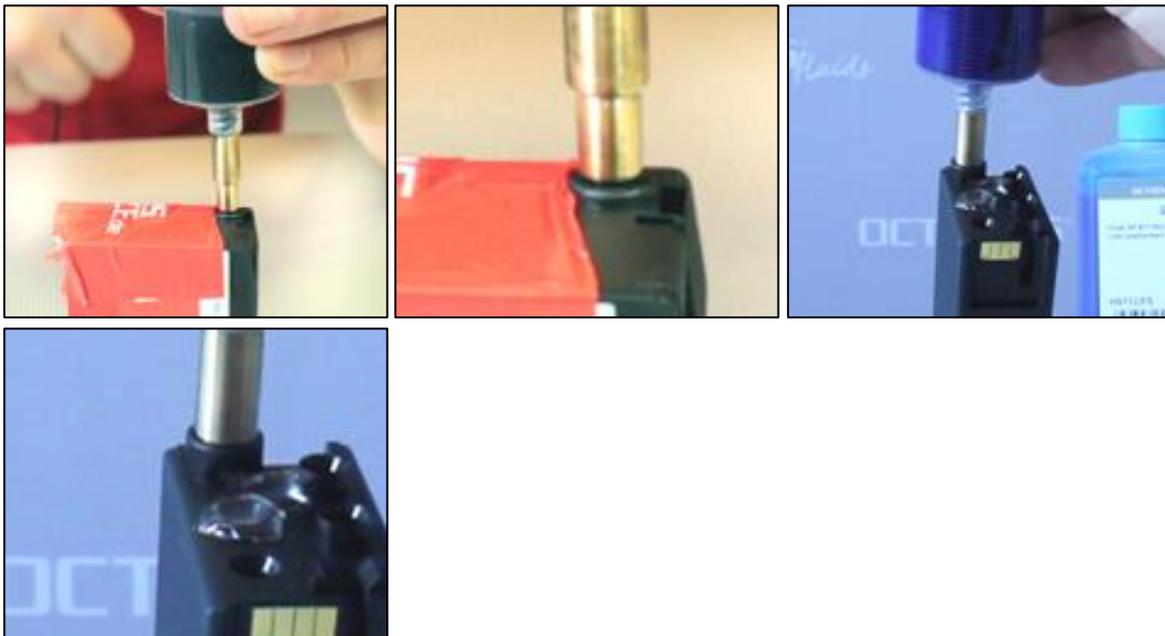


The refill procedure

Take the amount of refill ink that matches Your cartridge into the luer lock refill syringe. *An amount of ink bigger than 25 ml split into several fillings of the syringe.* Mount the den QU-FILL™ *professional* on the refill syringe carefully.

Refill ink quantity according to cartridge type		
	Standard capacity	XL capacity
HP 932	14 ml	35 ml
HP 933	6 ml	14 ml
HP 950	38 ml	86 ml
HP 951	13 ml	25 ml
HP 970	50 ml	50 ml (1)
HP 971	41 ml	41 ml (1)

- (1) The XL versions of HP 970 and HP 971 have two chambers for the ink. By using the QU-Fill™ *professional* refill tool You can only refill the chamber located behind the ink outlet. Due to that the amount of refill ink for a XL cartridge is the same as for a standard yield cartridge when using the QU-Fill™ *professional* refill tool.



Insert the QU-Fill™ *professional* refill tool into the ink outlet carefully. The ink port is located at the cartridge's front. While pressing in the refill tool's tip You can feel a little resistance during opening the spring valve.



Pull up the plunger of the syringe and keep it in this upper position for one to two seconds. This creates negative pressure inside the cartridge. You can see that air bubbles arise through the refill ink inside the syringe.



Release the plunger and it will slide back autonomously. It is not necessary to push the plunger or press the ink into the cartridge. The refill ink flows into the cartridge by itself and compensates the negative pressure inside. Repeat the procedure several times until no air bubbles arise anymore when pulling the plunger upwards and / or the wanted quantity of refill ink has been filled completely into the cartridge.



Remove the QU-Fill™ refill tool from the ink outlet. We recommend turning it slowly. This avoids that the rubber fitting inside the ink outlet will be dislocated. If it should occur that the fitting slides out of its position, You can push it back carefully.

Finally remove the sealings from the air openings. It is necessary that these air ports are open while using the cartridge inside the printer.

Closing remarks related to the chip situation

HP 950, 951, HP 932, 933 and HP 970, 971 inkjet cartridges are equipped with chips. To make Your printer work with refilled cartridges You need more than one set of cartridges for rotation.

	Number of necessary sets	Availability alternative chips
HP 932, 933	3 cartridge sets	standard & XL yield
HP 950, 951	4 cartridge sets	standard & XL yield
HP 970, 971	2 cartridge sets	No replacement chips (situation May 2014)