

# MS SOHO BLACK & COLOR INKJET FILLING MACHINE



**oliser**

Mesrutiyet caddesi. Hatay Sokak. 17/B  
06640. Kızılay / Ankara  
Turkey

**Tel : +90 312 417 72 75**

**Fax : +90 312 425 72 81**

**Web : [www.oliser.com.tr](http://www.oliser.com.tr)**

**Email : [oliser@oliser.com.tr](mailto:oliser@oliser.com.tr)**



**Suggestions when using Oliser's Inkjet Filling Machines**  
Oliser suggests using water when operating the machine for the first time  
A pencil eraser can be used to clean the circuits on a cartridge

## **Maintenance :**

Insert all Exhaust Lines into your specific catch receptable

**Note :** Empty your catch buckets once they become 1/3 full. This will optimize the air flow in your equipment and allow the System to perform correctly.

**Note :** Use separate catch buckets for waste and reusable liquids.

Flush your equipment with warm distilled water daily.

Simply use an empty cartridge to draw the distilled water through your equipment in place of ink.

This will keep any sediment from clogging the interior of the equipment.

## **Cleaning of VAC generator :**

Take out the VAC generators connectors, put the VAC generator warm distilled water or cleaning solutions around five minutes, then apply compressed air through connectors one by one 3-5 seconds. Reconnect the connectors to the VAC generator and test the vacumm level before install into the machine.

**Maintenance procedure must be done regularly every week.**

**OLISER is NOT responsible for the problems which is caused by un-maintenance...**

**To Order Call: +90 312 417 72 75 / [oliser@oliser.com.tr](mailto:oliser@oliser.com.tr)**

## **Specifications:**

- 1- Fills all black cartridges.
- 2- Advanced Menu system helps; effective cartridge filling.
- 3- Portable and easy to operate.
- 4- 110/220 V Switching power supply.

**You can select the filling cartridge model by left and right arrows.**

**HP ( 15/45, 26-33, 27-A, 56, 29/14 )**

**Lexmark ( 70/76, 13400, 3620, 0620, 0050, 0032, 0042, 0016 )**

**Canon ( 02/X3, BC10, BC20, BC01 )**

**Xerox ( 3855,0140,x310, c4, olivetti, 7879,7881 )**

Manual ( By selecting manual, Dye and Pigment choices appear, and you can make adjustable ink filling )

By pressing and holding enter button setting menu appears and you can decrease or increase the filling amount. Under settings also Evac menu is available. Press enter to evacuate the cartridges with vacuum system.

Only entry-level machine for common-black inkjet cartridge refilling

It Fills, Evacuates and primes the abovementioned cartridges

Filling and pressurizing operation is microcomputer controlled

All cartridge models mentioned are stored in smart memory logic; with pre-determined pressure, ink ml quantity and sequence processing

## **Caters to sponge and bladder-based cartridges.**

Also boasts manual override feature for user-defined operation: For cartridges not featured here, yet desired by user for filling.

No compressed air required

Works on 110/220V (switching PSU)

Very easy to use, You do not need to have special training: Simply insert the empty cartridge to the filling station; select cartridge type and push the Start / Stop button. You can cancel the filling operation at any time.

Machine will fill the cartridge and perform auto-pressurizing / balancing.

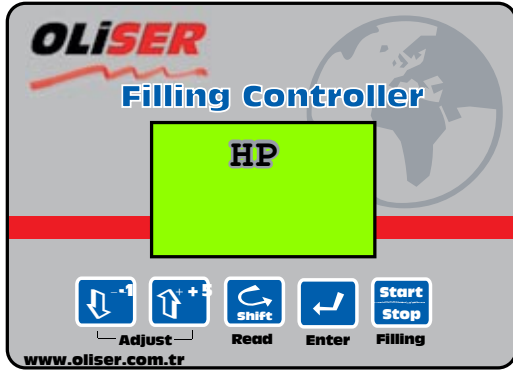
Thereafter immediately take the cartridge for print testing

This machine is designed for use franchises, corner shops and the like.

No optional extras: machine is shipped with all parts and auxiliary extras.

12 month warranty

# BLACK FILLING CONTROL PANEL



You can select 4 different filling models by pressing left and right buttons. In order to see the contents of menu press enter.

**HP**

**Canon**

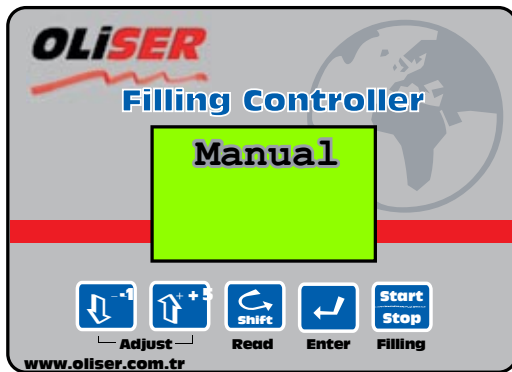
**Lexmark**

**Xerox**

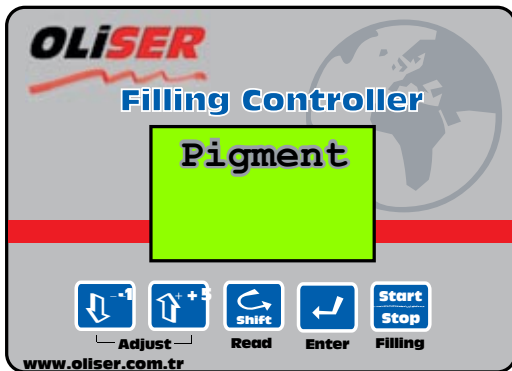
Under HP menu;  
15/45, 26-33, 27-A, 56, 29/14 cartridges appears. Press READ button to view prime/balance details. Then start filling by pressing START

Under Lexmark menu;  
70/76, 13400, 3620, 0620, 0050, 0032, 0042, 0016 cartridges appears. Press READ button to view prime/balance details. Then start filling by pressing START

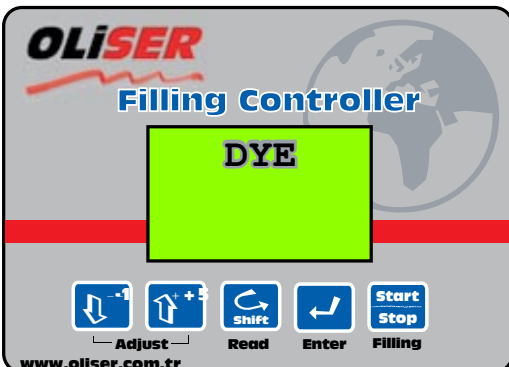
Under CANON menu;  
02/X3, BC10, BC20, BC01 cartridges appears. Press READ button to view prime/balance details. Then start filling by pressing START



Under Xerox menu;  
3855,0140,x310, c4, olivetti, 7879,7881 cartridges appears. Press READ button to view prime/balance details. Then start filling by pressing START

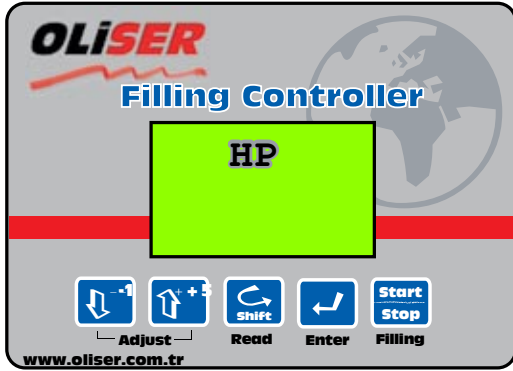


Under MANUAL menu;  
PIGMENT and DYE choices appear. Press READ button to view prime/balance details. Then start filling by pressing START



**Press -1 and +5 buttons to adjust filling amount.**

# COLOR FILLING CONTROL PANEL



You can select 4 different filling models by pressing left and right buttons. In order to see the contents of menu press enter.

**HP**

**Canon**

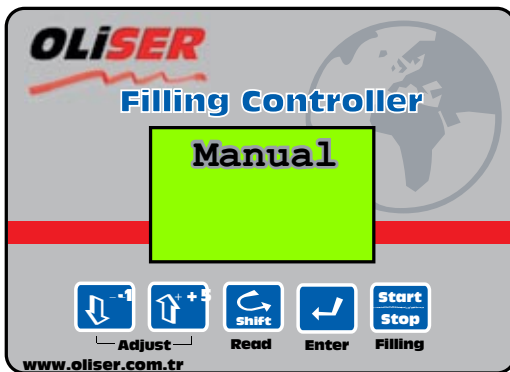
**Lexmark**

**Xerox**

Under HP menu;  
C25A, 28A, 41A, 49A, 57A, 78D,  
23D, 25A cartridges appears.  
Press READ button to view  
prime/balance details. Then  
start filling by pressing START

Under Lexmark menu;  
13619, 0120, 0060, 0026,  
1980 cartridges appears.  
Press READ button to view  
prime/balance details. Then  
start filling by pressing START

Under CANON menu;  
BC05, cartridges appears.  
Press READ button to view  
prime/balance details. Then  
start filling by pressing  
START



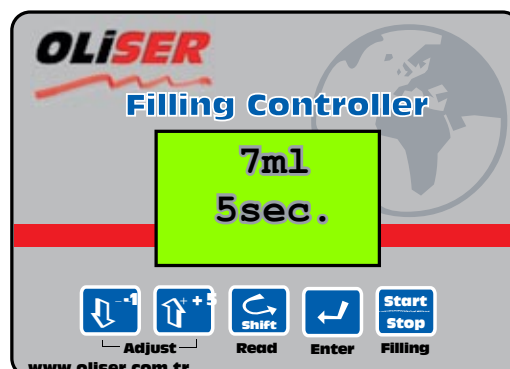
Under Xerox menu;  
7880, 0141, C4 cartridges appears. Press READ  
button to view prime/balance details. Then  
start filling by pressing START

Under MANUAL menu;  
MANUAL1 and MANUAL2 choices appear.  
Press READ button to view prime/balance details.  
Then start filling by pressing START



Press and hold ENTER button to  
adjust filling settings.

Press left and right buttons to ad-  
just filling amount.



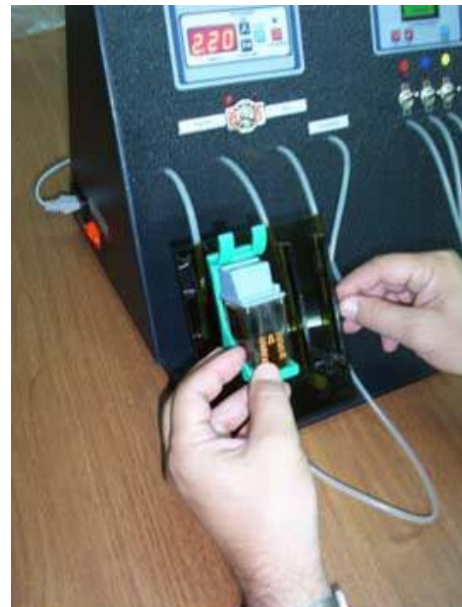
# 26/29/14 EVACUATION



Empty the cartridge if necessary (we recommend all old ink is evacuated).

To undertake this step, you will first need to connect the evacuation pipe-peripheral in the correct and allotted slot into the suitable cradle (fixture).

Place the cradle fixture on the machine base platform in its correct "park" position - as shown above.



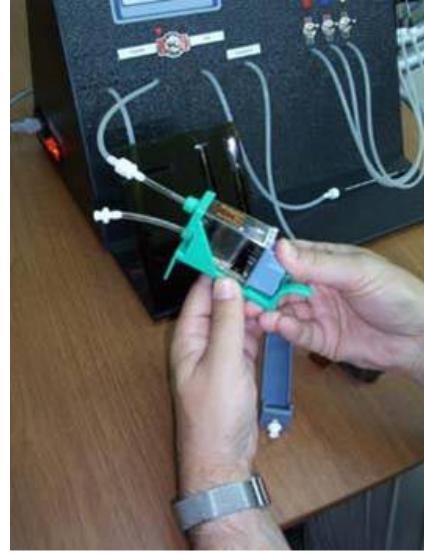
Push the evacuation button to activate the function of emptying the old ink from the cartridge.

Note: Empty weight of 26/29/14 cartridges is 20 Grams.



**To Order Call: +90 312 417 72 75 / [oliser@oliser.com.tr](mailto:oliser@oliser.com.tr)**

# 14/26/29 FILLING



HP small-profile cartridges, such as 51626A, 51629A, C6614 use different inks. Older HP51626A cartridges use dye-based ink, whereas 51629A and C6614 units require pigmented inks (although both inks will work in either type of model). Connect the filling connector to the cartridge holder and flip the select switch to DYE or PIGMENT depending on the cartridge and/or your own selection.

You can fill cartridges through both methods, namely: - MAZE HOLE or PRINT HEAD. Pressurizing (also known as Equalizing or balancing) is automatic, as the machine has built-in intelligence to undertake and perform this function for you. Set the filling time to 2.40 and pressurizing to 9-seconds. Push the filling start button to commence operations.

**\*\*\* Cartridge is ready to test print \*\*\***



**To Order Call: +90 312 417 72 75 / [oliser@oliser.com.tr](mailto:oliser@oliser.com.tr)**

# 15/45 EVACUATION



Please clean the cartridge print head using the steam generator.

This operation opens clogged nozzles where dried ink cements itself in the jets. This is a very important function that needs performing before filling or evacuation procedures are undertaken.



Connect the evacuation connector to the 45/15 cradle.



Place the cradle fixture on the machine base platform in its correct "park" position - as shown above.

Push the evacuation button to activate the function of emptying the old ink from the cartridge.

Note: Empty weight of 15/45 cartridges is 66 Grams.

**To Order Call: +90 312 417 72 75 / [oliser@oliser.com.tr](mailto:oliser@oliser.com.tr)**

# 15/45 FILLING



After you have evacuated and weighed the cartridge, connect the pigment ink line (pipe) to the relevant inlet connector on the cradle holder.

Now place the cartridge cradle back in its park position. Set the filling time to 2.40 and pressurizing to 9-seconds. After push to the filling start button.



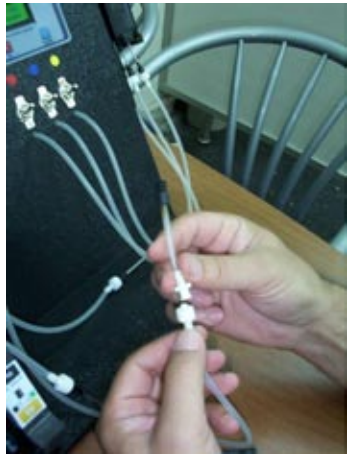
When "Cartridge Clogged" message occurred on LCD displays, please remove the cartridge. Don't attempt to refill the cartridge. Fill the 26/29/14 series cartridges through the maze hole instead of printhead.

Note: Full weight of cartridge will be around 106-108 Grams.

**\*\*\* Cartridge is ready to test print \*\*\***

**To Order Call: +90 312 417 72 75 / [oliser@oliser.com.tr](mailto:oliser@oliser.com.tr)**

# 27/56 FILLING



Connect the supplied needle to the pigment filling connector, by screw-in action



Peel off the OEM sticker; revealing 3 fill hole positions. Place the cartridge into the allocated cradle holder and insert the needle into front hole (forward: towards the cartridge electronics side).

**Caution: - Make sure you insert the needle diagonally and NOT straight down (otherwise you will puncture the bubble-breaker diaphragm)**



Set the filling time to 0.55 for #27 and 1.05 for #56 cartridges.  
Important Note: - Pressurizing time 0 (See Point 16 for priming functions)



**PRIMING:**  
After filling is completed:  
connect the vacuum (suction cap) to the evacuation connector. Remove the cartridge from the cradle.



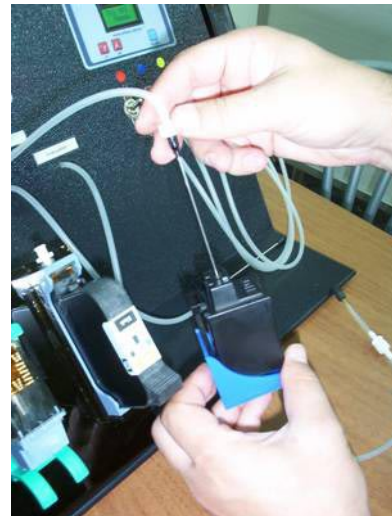
Place the suction boot (cap) onto the cartridge nozzle plate. Push the evacuation button and suck for between 3-5 seconds, as shown above.

**\*\* Cartridge is ready to test print \*\***

# LEXMARK BLACK FILLING



Place the empty cartridge into its relevant holder.



Insert the filling needle through ventilation hole in cartridge lid; you might need to use screwing action to widen hole slightly.



Set the filling time to 1.40 for lexmark 1970, 13400, Xerox similar cartridges.  
Important Note: - Pressurizing time 0 (See Point 16 for priming functions)

Place the suction boot (cap) onto the cartridge nozzle plate. Push the evacuation button and suck for between 3-5 seconds, as shown above.

**\*\*\* Cartridge is ready to test print \*\*\***

**Set the filling time to 0.32 for lexmark #17 and 1.06 for lexmark #16.**

**Important Note: - Pressurizing time 0 (See Point 16 for priming functions)**

## 1) ADDRESSING 29, 14, 26 TYPE CARTRIDGES

### a) Buying an empty and seeing whether it is suitable for recycling

- test contacts and only recycle cartridges with 1 or 2 jets mis-firing (Does your tester do this?), our MS-56E tester perfectly offers this solution: <http://www.oliser-tr.com/equipment/mstester56.htm>
  - Look with 20x or 30x eyeglass (do you have one?) to see if any scratches on the GOLD nozzle plate as going across any of the 49 ~ 51 jet holes (these quantity of jet-holes vary from cartridge to cartridge, based on their OEM design) if so, the cartridge will misfire and cause a streak, as it will, because the jet-hole is impaired or made imperfect by the scratch which mis-forms the perfectly round shape into another shape.
  - Slightly steam the head to clear path for the next test (you may use our MS-Steam / MS-Vapour: <http://www.oliser-tr.com/equipment/steam.htm>)
  - You can also mildly steam the mazehole hole to clear possibilities of blockages as a safety net
  - Have NO water or fluid in the cleaning / filling / evacuation stations on the machine (ECO) and inflate and deflate the cartridge up to 10 times in the filling side. This may be performed by placing the said cartridge into the 29 type filling cradle and by lifting and depressing the red lever. This will test the integrity of the bag (bladder) and the pneumatic integrity of the vessel; weeding out cartridge that have a) blown valves on cartridge top b) or those that have cracks, that are usually present between the transparent base and colour lid (this defect is normally not visible or noticeable with the naked eye)
- If at this stage all of the above are seen to be in order, then "voila", your cartridge will fill, test and sell as a grade "A" cartridge

### b) Cleaning and filling the cartridge

- Steam nozzle
- Steam mazehole
- Have hot water (100% pure, i.e. de-ionized water that is free of any other chemicals, you may attain this with our MS-H20 purifier: <http://www.oliser-tr.com/supplies/h2opurifier.htm>) @ 50 ~ 60 degrees Celsius in a bottle. We recommend that you purchase a thermometer or alternatively buy an oven thermometer, they are cheap - to regulate your water temperature. NB: if the water temperature exceeds 60~70 degrees Celsius, you may melt the internal bladder and render the cartridges worthless.
- Introduce pure water into the vessel using the cleaning station
- We recommend that you half to two-thirds fill the cartridge. If you totally fill the cartridge, there will be no room left over for the next step;
- Shake the cartridge about to create a washing machine effect; effectively the hot water (pure water) will breakdown hard pigment powder residue left in the cartridge into a dissolved format, much like sugar in tea, so as to allow it to freely pass through the tiny jets as a pure liquid in the evacuation process
- Then evacuate the dirty water in the cartridge using the evacuation station
- If the cartridge does not look like the queen of England could eat off the inside, it is NOT ready to fill !!!
- You may need to repeat the process of cleaning UP TO 7 times in order to get it clean. This is normally excessive and normally applies to multi-filled cartridges where a great deal of sediment build-up has gathered.
- Failure to clean the cartridge 100% will result in pigment powder blocking the inside channel (plenum) into the jet area and will impede ink-flow and the possibility of a good and continuous print
- When all of the above have been observed and are in order, and the bag's integrity has been monitored throughout the cleaning process (as bags do blow during cleaning periodically), you can go to filling.....remember that when we speak of monitoring the bag, we mean during the cleaning process the valve on the top of lid can blow, much like a car or bicycle tyre tube valve would. Also slight cracks between the lid and transparent body of cartridge might appear (not that you can see them)
- The next step is to click the spotlessly clean empty cartridge into the filling cradle
- Start the fill

When the ink reaches the rectangular patterned area (on base of bladder spring device) of the metal frame, flick down the red lever. This will effectively balance the cartridge by shutting off withdrawals from the lid valve, and by sucking out air that will cause airlocks (via the head)

- Although normal fill weight for 29 type cartridges is around 63 grams, we only test at approximately 60g or less - and normally ship out at 58~59.5 grams
- If you overfill the cartridge, you can draw excess ink out of the cartridge by simply evacuating ink in the evacuating station. Remember short split second bursts will normally draw off around 1ml per time, so be careful not to drain too much out.
- Then go to test print. It is imperative to spend this time test printing.
- Test print must be 2 pages (minimum) using normal quality print mode. (You can use the test shown below)

### **c) Sealing**

- Do not use water in the process (on the head)
- Make sure that your blue tape also covers the mazerhole

## **2) ADDRESSING 45 & 15D CARTRIDGES**

The process is far simpler and we will use one section for all concerned points: -

- The cartridges are identical, with the exception of slight electronic differences
- Therefore the vessel and all other aspects for a recycler are identical
- First we get our cartridge and nozzle test with a high-grade tester so as to deduce what the firing / working count is from the possible 300 jets on these models. You may use our MS-ECD which besides converting 45 to 15 cartridges, it also tests 15, 45, 23, 25 & 41 cartridges: <http://www.oliser-tr.com/equipment/ecd.htm>. By-in-large though, a tester is not needed and at over US\$2,000 for the converter it is not something everyone can afford.
- You can also use a printer with a happy (smiling) and unhappy face. Make sure that the cartridge contacts are clean (clean with mentholated spirits) and ensure cartridge goes to happy position on black cartridge face, after you re-open the printer lid
- If it does, this tends to imply that 270+ of the 300 jets are working. On the 45/15 cartridges, they tend to work satisfactorily with UP TO 10% misfiring jets
- NB: The best way around a tester, and in fact a dual-method that is best employed as an additional test is to get an older model HP printer, such as HP710, 720, 820 etc. and use the utility software in the HP TOOLBOX to fire the jets on cartridge services facility. If the cartridge has NO ink in it, you can part fill or hand-suck to prime ink to the head for the short test. This will display the grid pattern letting you know the nozzle condition.
- Steam nozzles. NOT for too long, or you will melt the holes closed!!! 2 ~ 5 seconds at varying distances is recommended (but immensely important). If you DO NOT steam first - you will be trying to force ink into the cartridge during the fill through clogged passages a) causing irreparable damage to those jets, and b) slowing down fill times
- Evacuate ink in the cartridge until cartridge weighs 64 ~ 66grams. It is important that aftermarket ink does not mix with OEM ink, bearing in mind that HP has patents on their ink formulae and the different chemical properties may clash.
- Some clients do flush cartridges internally with pure water and thereafter evacuate it. We believe that this is not normally required if virgins or even 3-filled cartridges are being processed.
- Ensure that the filling ink line (tube) from cradle to ink bottle is primed, i.e. no air in it. You may achieve this by always saving old and faulty cartridges and start the fill allowing ink to go into the old cartridge first. This is only necessary when changing ink bottles.
- Immediately after the cartridge has been in evacuation station, insert to fill station. Why? - you might ask....because in the evacuation station, the silver bag has been squeezed together flat and no air is present, therefore when you fill, we will reduce the chance of air in the bag
- Obviously next: fill
- BUT DO NOT BALANCE – if you can help it (this mainly pertains to recyclers who are producing stock, or those who have good turnaround times to clients in that they were not rushed)

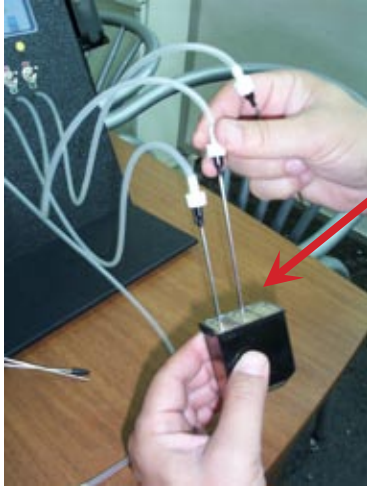
After the fill, wipe the residual ink off the 45/15 nozzles, and let cartridge stand in upright position (nozzles facing up)

- Bang / knock the cartridge on the counter. This will encourage air bubbles which are create through turbulent filling (through 300 jets) to rise in an anti-gravity fashion upwards
- Normally allow them to sit for hours or overnight in this position, but if it is a refill, then you cannot do this (or maybe you can...why? because direct swap-outs on 45a's is very feasible. If cartridges test okay (electronically etc.) and in a bid to pleasing the client and because the empties are in abundance and NOT prone or susceptible to problems)
- After this you can balance (equalize)
- Normally a 1 second suck will imply that 1ml is being drawn out with the air
- We recommend performing a 2 ~ 3 second function, but weight NOT time depicts / dictates this. ....because you should pre-weigh and post-weigh during the balance period. Remember cartridges will weigh differently because of the starting weight variables
- After balancing, the cartridge will weigh between 103 ~ 107g
- Then test print
- Normally because of "cabin" pressure variables, it is recommended to up to run 2 solid pages. Without a doubt to begin with, this a) causes all 300 (or whatever jets are working) to fire.....and it will show you signs of what the problems can / could be (bearing in mind, if you have run the jet-test to begin with, you will be quite certain that all jets are firing, and you should NOW run the jet (utility test) one again, including cleaning cycles, offered by HP software
- The cartridge then can go to full 2 ~ 4 page test (ideas for these are attached)
- You will pack and seal as normal. Do not use water drops on the head. Make sure that when you nozzle seal with tape that you do 1 sec steam to ensure that no "scabs" (hard ink) have formed in the pores during sitting and waiting time (while cartridges are waiting for packing)

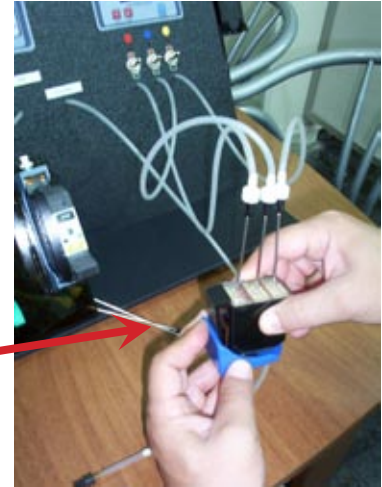


# HP-25/49 FILLING

Remove cartridge cap using Oliser cartridge opener



Insert the needles into the sponges in synchronization with correct colour matching

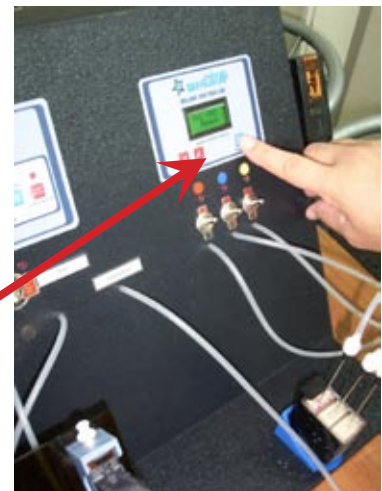


Place the cartridge into its designated cradle holder.



Set the ink filling capacities as required (For 25/49 it will be 7 ml per chamber (per color)).

Push the filling / start button. You can select which color you want to fill optionally using the manual (toggle) switches.



---

**After filling do the priming/balancing function**

**\*\*\* Cartridge is ready to test print \*\*\***



**To Order Call: +90 312 417 72 75 / [oliser@oliser.com.tr](mailto:oliser@oliser.com.tr)**

# HP 23-25-41-78 Filling Process



Remove the ventilation plugs (screws) by pushing them through the cartridge outside casing. (You may achieve this, through a multitude of methods, however Oliser makes its own special tool for ease of use: MS-PLUG PUSHER. We recommend this method)



Before going further, we recommend that the cartridge be drained. The best manual method is to use paper towel. First steam cartridge nozzles, with Oliser MS-STEAM, then place cartridge in upright position (propped up against a wall or other object so cartridge is in vertical position). This may take time (maybe even overnight).

Oliser we will not be in a full position to advise you on best to do this if the client is waiting for the said refill in your storefront. If you know this will cause a bottleneck in your business, then you will have to invest in the Oliser MS-CENTRIFUGE, which can evacuate all old ink within seconds.

## CENTRIFUGE USAGE



**The mixing of aftermarket inks with original inks is not advised. The main reason is that homogenization between the two types may not occur, and as such inhibit ink flow at a later stage.**

**Oliser has spent thousands of hours in R&D on inkflow and ink formulae, and as such advises the use of its inks. In the case of 6578 cartridges our inks are very good and homogenization is more likely than with using many other inks on the market.**

**The empty weights of the large profile cartridges is as follows:  
- C6578 (92g); 1823 (94~98g); 6625 (92g); 51641 (92g)**

**To Order Call: +90 312 417 72 75 / [oliser@oliser.com.tr](mailto:oliser@oliser.com.tr)**

# HP-23/25/41/78 FILLING



You may also aid the evacuation process, in part, by using the suction pipe on the MS-Versatile.

Insert the needles into the sponges in synchronization with correct colour matching. As per the illustration (picture shown) the colors, from left to right, are: YELLOW, MAGENTA and CYAN.

Place the cartridge on the right hand side of the machine, in its correct "park" position - as shown.

You notice the cartridge is inverted. Filling in an upside down position (without vacuum) has been proven to yield the most successful results.



Push the filling START/STOP button to activate the filling of the cartridge. Adjust the ink volume for C/M/Y as per your own selection.



After filling is completed, remove the cartridge from its designated park position and remove the needles (always take care to keep needles clean – to avoid cross-contamination)

The next function to perform is pump-priming and air bubble air removal. This is undertaken with pump (included) in shipments (from 1 July 2004); alternatively it can be purchased as an optional extra.

Place the pump over ventilation holes (at bottom of cartridge, when inverted) as shown.

This must be done for each individual colour. Push the pump gently and attentively watch the head (nozzle plate) for results..

If bubbles (foam) appear, this has to be removed. Clean the nozzle plate immediately and rapidly to avoid cross-contamination. Repeat this process until clear flowing ink is achieved (no bubbles at all must be present).

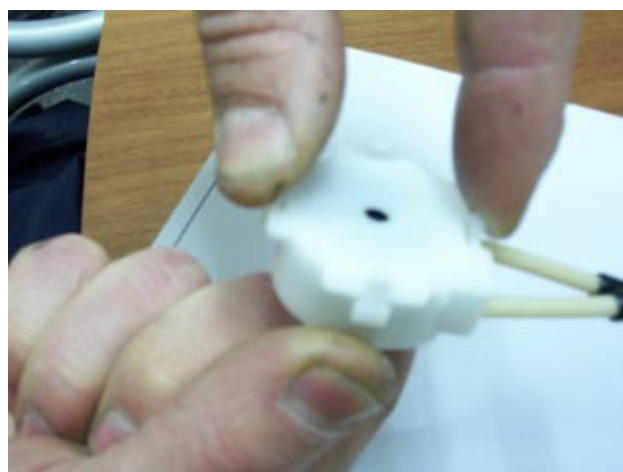
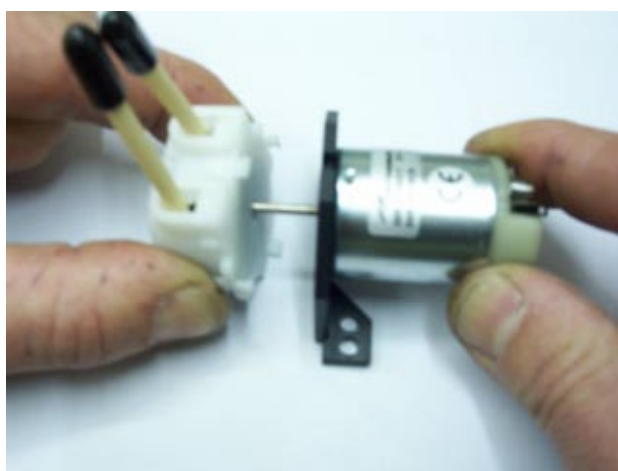
This must be repeated for each colour.

The reason we need to remove foam is so that it will not involve itself in the inkflow cycle and cause white lines (banding) in the print.

Once you have performed this careful function on all three chambers, dab, in a downward motion the cartridge nozzle place onto padded paper towel. Ensure that all three colors appear in a rectangular fashion.

**\*\*\* Cartridge is ready to test print \*\*\***

# TUBE REPLACEMENT OF MOTORS



# WARRANTY CLAIM FORM

FORM NO: RAN Nbr.  NO: RAN Nbr.

To the kind attention of OLISER Service Customer Technical Support Manager

Please fill in the missing information indicated in red character

Date: \_\_\_\_\_

Company: \_\_\_\_\_

Tel: \_\_\_\_\_ Fax: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Product: \_\_\_\_\_ Serial No.: \_\_\_\_\_

**ERROR DESCRIPTION**

**Actions Descriptions for reparation**

## Parts replaced or to be replaced:

Description: \_\_\_\_\_ Item no.: \_\_\_\_\_ Q.ty: \_\_\_\_\_  
Description: \_\_\_\_\_ Item no.: \_\_\_\_\_ Q.ty: \_\_\_\_\_  
Description: \_\_\_\_\_ Item no.: \_\_\_\_\_ Q.ty: \_\_\_\_\_  
Description: \_\_\_\_\_ Item no.: \_\_\_\_\_ Q.ty: \_\_\_\_\_

OLISER Service Technical Support Manager's Reply:

Under Warranty	NOT under warranty	Partially under warranty
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Signature Oliser Sales	Signature Oliser Mgmnt	Signature Oliser Service
_____	_____	_____

# Warranty Certificate

MODEL

SERIAL NBR:

## Warranty General Conditions

We guarantee our products Defect-Free for a free period of 12 months from date of service.

With the machine a specific REPAIR-KIT is included for the quick solution ON\_ LINE of minor inconvenience that might occur : TROUBLE-SHOOTING procedure.  
E-MAIL : oliser@oliser.com.tr

Spare parts used from our REPAIR-KIT, we replace them for free of charge on the next first delivery.

In case of unsuccessful TROUBLE-SHOOTING, you are asked to issue the here-with enclosed WARRANTY CLAIM REPORT addressed to our technical dept, OLISER service, duly filled in serial number(s), invoice date and a exhaustive technical description of problem that occurs.

You'll be given a RAN Nbr ( Return Autorisation Number ) for shipment to us. No returns are accepted without RAN.

Return shipments of estimated faulty machines will be on c&f basis. ( delivery free to our door. )

Copy of relevant delivery slip or Tracking Nbr to be acknowledged to us by fax or e-mail.

We will not be held responsible for labour, travel and shipping costs in connection with any warranty claim and will only be responsible for any claim due to improper workmanship of defective material. We decline and responsibility of malfunctioning in case non-original Oliser spare parts are used. Our company will not be held responsible for any claims due to shipping damage, improper maintenance or use not in accordance with the instruction manual.

OLISER Management  
Necip Ülkü

OLISER Service  
Burak Döken

The logo for Oliser, featuring the word "oliser" in a lowercase, sans-serif font. The letters "o", "l", "i", and "s" are in a dark grey color, while the letters "e" and "r" are in a bright red color. Below the text is a thick, horizontal red brushstroke.