

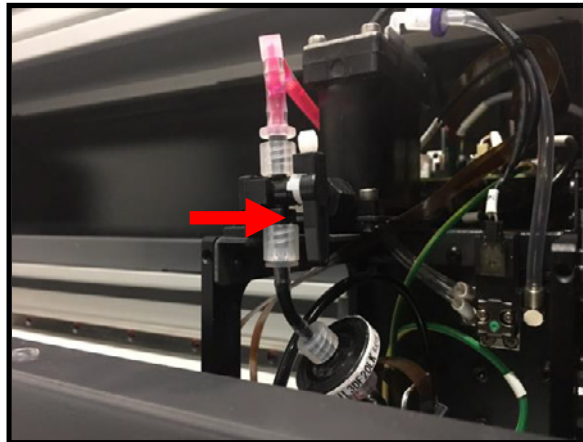
I•IMAGE S VALVE POSITIONS & PURGE PROCESS

Description: To show proper manual 3 way valve position and what each position will do.

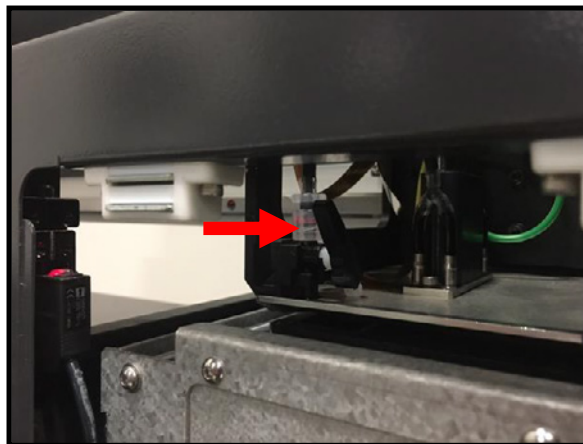
Source: MZ – 5/23/17

The i-Image S CTS printer has two manual 3 way valves.

One is located at the top, above the print head ink lines, right in front of the sub tank.



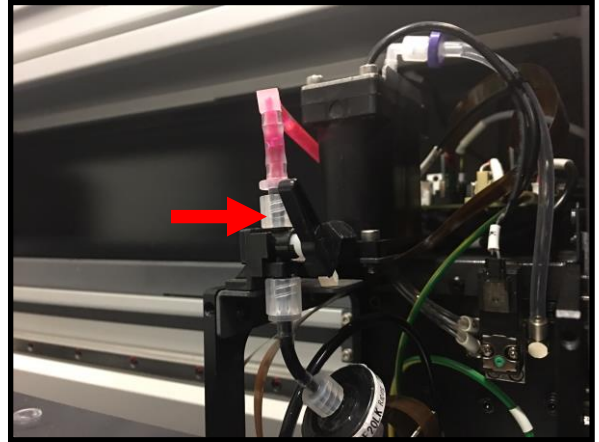
The other manual 3 way valve is located at the front of the print carriage in the bottom left corner.



TOP LOCATION VALVE POSITION

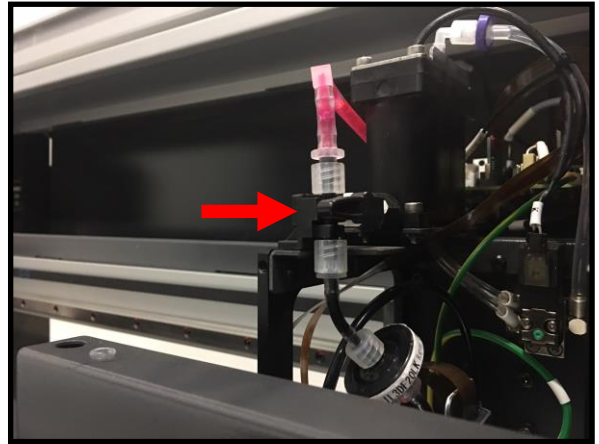
POSITION #1:

In this position the valve is fully closed OFF. No ink and no flushing solution can enter the system. When placing the valve into this position, lift the black handle up until it catches the stop point.



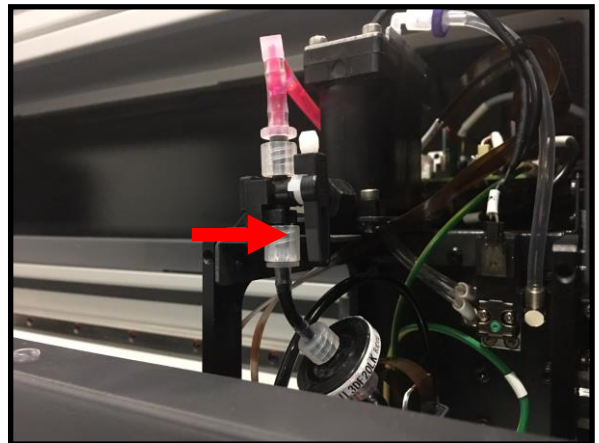
POSITION #2:

In this position the valve now opens so ONLY flushing solution can flow into the print head ink lines. The valve will be pointed straight out, parallel to the ground. **The valve should only be in this position if the operator is going to run flushing solution through the ink lines.**



POSITION #3:

In this position the valve opens allowing ONLY ink to flow through the print head ink lines. The valve will point straight down towards the ground. This is the position **ALL** the top row of valves needs to be in in order to print ink.

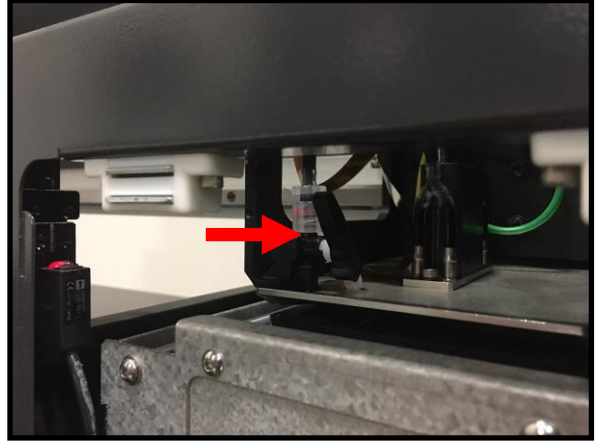


BOTTOM LOCATION VALVE POSITION

Attached to each manual valve, on the bottom column, is a purge tube. The purge tube runs to the backside of the print head.

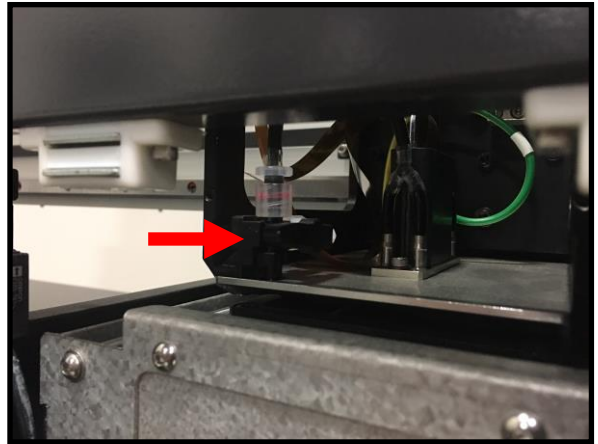
11:00 (11 o'Clock) POSITION:

In this position, the fluid for that print head, is forced to exit through the nozzles of the print head. This is the position the valve must be in when printing.



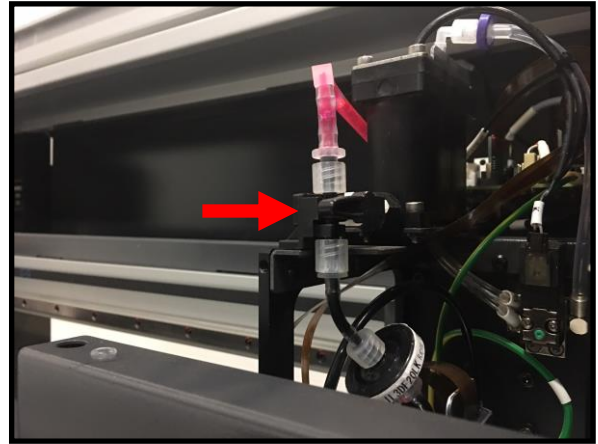
9:00 (9 o'Clock) POSITION:

In this position, it allows the fluid to bypass the print head and exit out of the purge outlet. This position should only be used if the operator is purging ink or flushing solution. Also, if the operator is evacuating any air pockets in the ink lines, this is the valve that will be used.

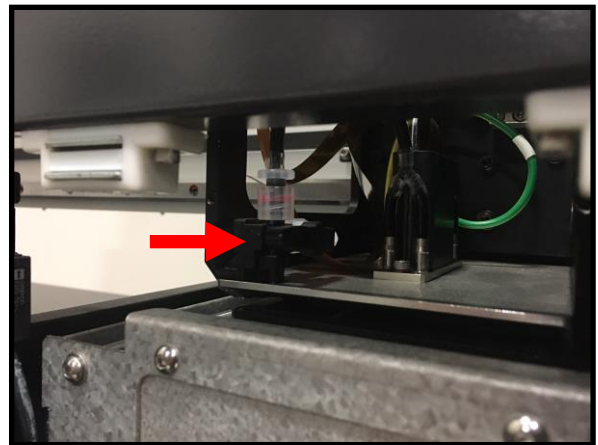


PURGE FLUSHING SOLUTION

Move the top manual 3 way valve and place it into the #2 positions. This will allow the pink flushing solution to flow through the ink lines when activated.

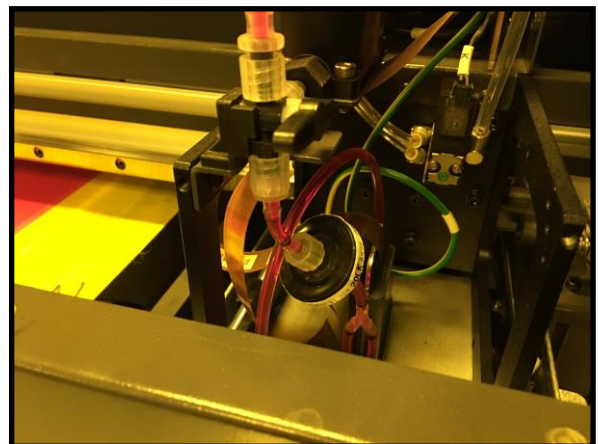


Move the bottom manual 3 way valve so it is in the 9:00 (9 o'Clock) position. This will let the pink flushing solution flow through the purge line and evacuate the ink that is in place.



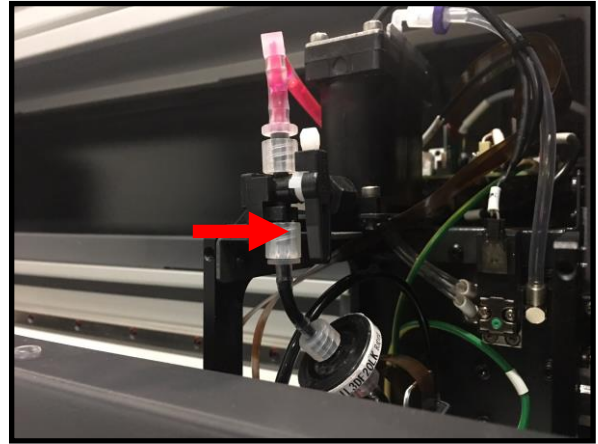
In PCS, under the MANUAL CLEAN option, press and hold F until the ink lines are filled with the pink flushing solution.

Once the ink lines are full of the flushing solution, move the bottom manual 3 way valve back to the 11:00 (11 o'Clock) position. Press and hold F in PCS for another 10 seconds. This will now allow the flushing solution to exit out of the print head only.



PURGING INK

Place the top manual 3 way valve into the #3 position. In this position, only ink will flow through the ink lines.



Move the bottom manual 3 way valve so it is in the 9:00 (9 o'Clock) position. This will let the ink flow through the purge line.

In PCS, under the MANUAL CLEAN option, press and hold ALL for 5 seconds.

NOTE: Look at the LCD screen to see if your Sub Tank is showing low. If so, please wait until the Sub Tank has finished filling back up before you continue.

If the purge line is fully filled with ink, move the bottom manual 3 way valve to the 11:00 (11 o'Clock) position. If not, press and hold ALL for 5 seconds to finish filling the purge line. Once full, move the bottom manual 3 way valve to the 11:00 (11 o'Clock) position.

Press and hold ALL for 5 more seconds to allow the ink to purge directly out of the print head.

Once finished, please run at least one AUTO CLEAN followed by a NOZZLE CHECK to assure your print head is showing 100%.

