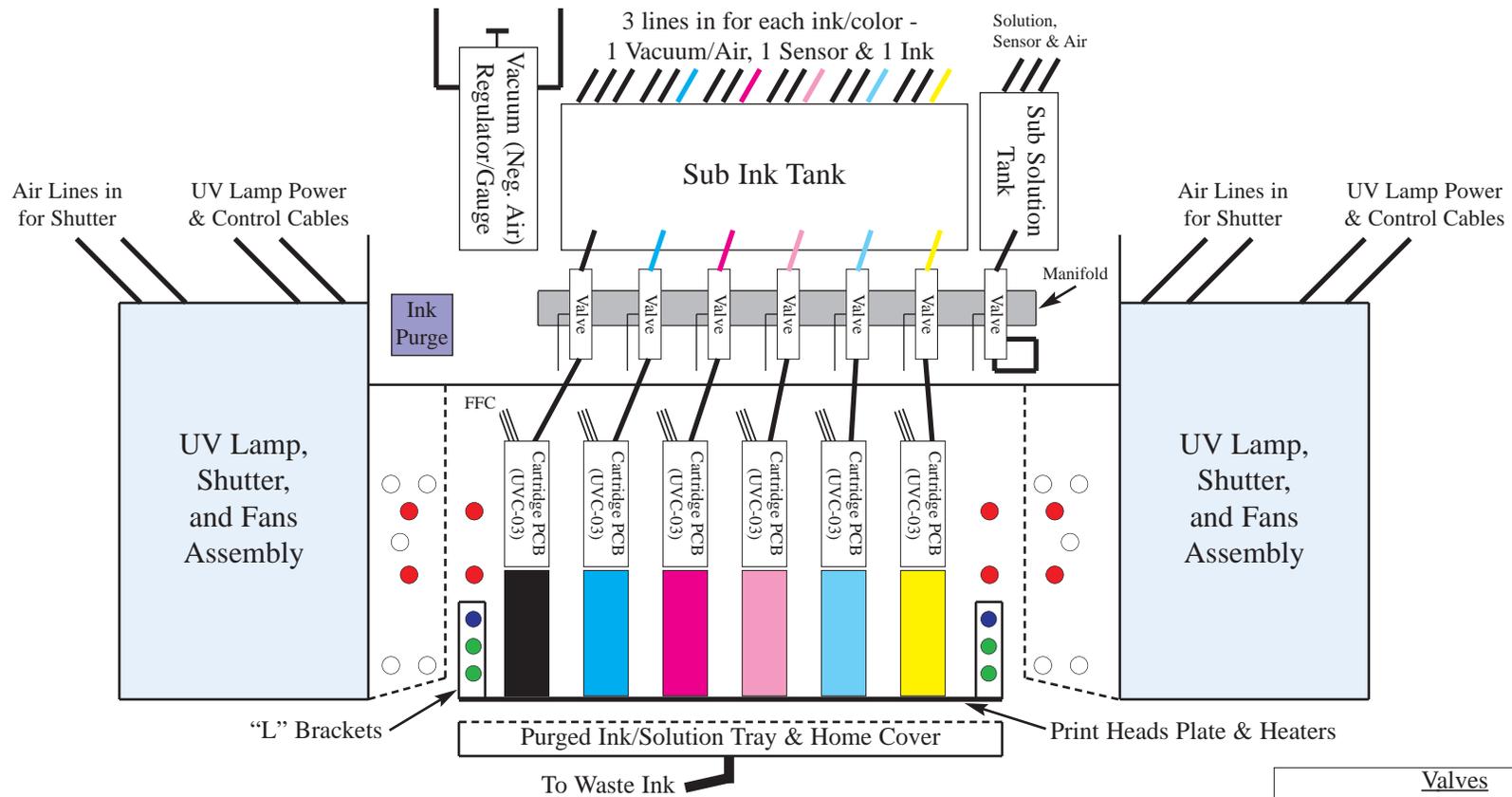
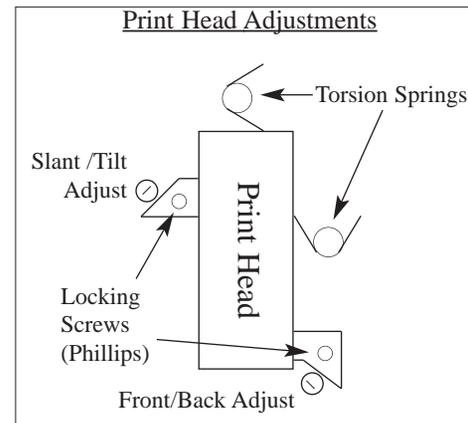


ANAPURNA "M" CARRIAGE/HEADS LAYOUT

A BOB LEE (REL) PRODUCTION



- * FFC = Flexible Flat (Ribbon) Cable; one per Cartridge PCB/Print Head
- * Vacuum (Negative Air) Pressure should be set to -.036
- * The following Hex Allen screws are used to adjust/set the Gap between the Print Heads Plate and the Media to 1.5mm, on all four corners:
 - Secures the entire Carriage/UV Lamp assemblies to the Rail/Bearings; loosening these screws causes the whole assembly to tilt & move up/down
 - Allows the Print Heads Plate (only) to be adjusted up/down or tilted; these screws are secured with a Locking Nut
 - These screws work in conjunction with the above adjustment screws and limits those screws' adjustment range for the Print Heads Plate



Valves

I - S I

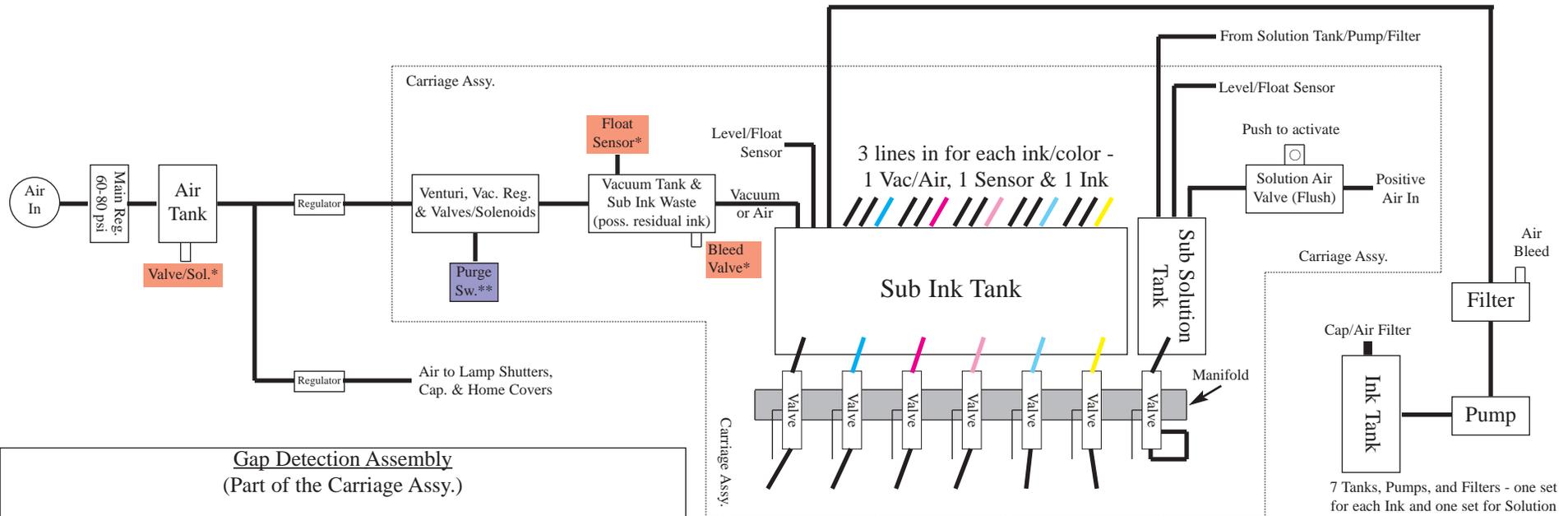
Ink Valves:
 I = Ink
 S I = Solution Valve Setting

Solution Valve:
 I = Off
 S I = Solution

To purge Ink = Ink Purge Switch
 To flush Solution = Press button on solution air valve in back of carriage

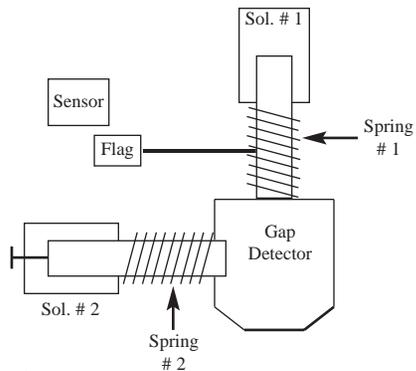
ANAPURNA “M” INK & AIR FLOW DIAGRAMS and GAP DETECTION

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7 Tanks, Pumps, and Filters - one set for each Ink and one set for Solution

Gap Detection Assembly (Part of the Carriage Assy.)



Head Gap Detection operation/routine:

- Carriage Assy. is positioned out near the center of the table/rails (use dots on rail as guide)
- Solenoid # 2 engages, pulling back its plunger, causing Gap Detector to drop (via Spring # 1)
- The Carriage Assembly begins moving down, towards the media
- When the Gap Detector contacts the media, the Carriage continues driving down, causing the Flag (which stops moving down, along with the Detector & Plunger # 1) to engage the Sensor
- When the Sensor is activated by the Flag, the Carriage Assembly stops moving down and Solenoid # 1 engages immediately, quickly pulling up the Gap Detector
- Solenoid # 2 disengages causing its Plunger (via Spring # 2) to lock Detector in place (home)
- After pressing “Enter”, the Carriage Assy. continues driving down to the 1.5mm gap position

* If the Float Sensor in the Vacuum Tank & Sub Ink Waste Tank activates, the Valve/Solenoid on the Air Tank opens, dumping air to the system; any ink in the Sub Ink Waste Tank must be discharged via the Bleed Valve

Note: disconnect the vacuum line into the Tank first, then discharge ink

** When the Ink Purge button/switch is pressed, the “Air In” Solenoid engages and the Vacuum Solenoid disengages causing Positive Air (not Vac/Negative Air) out from the Vacuum Tank to the Sub Ink Tank and Print Head(s), purging Ink; when the button is released, the Solenoids “flip/flop” back to their normal state putting Vacuum (Negative Air) to the Sub Ink Tank