

Technical Bulletin #22 Changing a Dispense Valve on a Mkii IDS1020

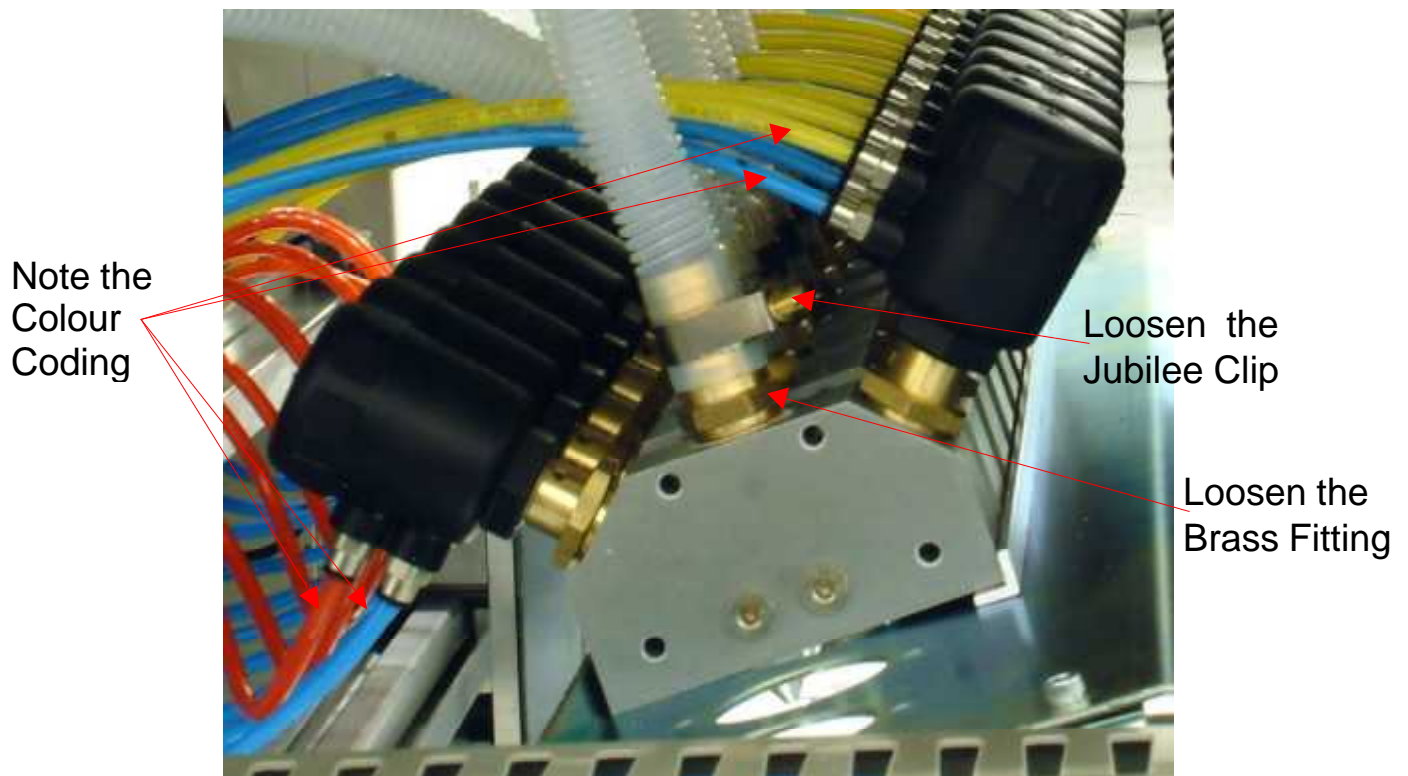
Power down the Dispenser and vent all the pots.

Locate the faulty Dispense Valve.

Make a note of the Valve body orientation (usually Fine on the outside, Coarse towards the centre of the apex), the colour coding of the air pipe into the actuators, (which colours go into the top of the actuator and which colours go into the bottom), and the direction the air fittings are coming out of the actuators.

Check the replacement dispense valve is compatible, if not contact Vale-Tech Ltd for a left hand side or right hand side dispense valve as required.

Loosen the Jubilee Clip (shown below):



Remove the air pipe, push the black collar on the air fitting in and then pull the pipe out while holding the collar in. Loosen the Brass fitting but do not remove it at this stage.

Locate the two fixing screws for the dispense vale to be removed, you may need to move the carriage to gain access to it, if so, move the carriage slowly avoiding sharp movement. If the valve is towards the back of the machine, access can be gained either through the side door or by removing the back panel.

Remove the two screws (Shown Below):



Lift the Valve body clear of the support plate, brace the body and unscrew the brass fitting from the body. Be prepared to temporarily seal the end of the fitting to prevent ink loss. If the ink is fairly stiff this may not be necessary if the new valve is being fitted within 1 or 2 minutes.

Clean the threads of the brass fitting and apply sufficient PTFE tape to the threads to provide a good seal. Refit the brass fitting to the new Dispense Valve ensuring it is tight enough to provide a good seal.

Locate the Valve assembly on the Valve Plate ensuring the correct orientation and secure using the Fixing Screws removed earlier.

Tighten the Jubilee Clip and re-attach the air pipes into their original positions.

Power up the dispenser, reset in InkManager and pressurise the pot. Check for leaks around the brass fitting. If ok, pressurise the other pots and perform a test dispense.

Periodically inspect the new dispense valve for leaks several times a day for several days after re-fitting. If any leaks are found, tighten fittings etc as required.