



Life Science

Our product brands:

IMI Adaptas

IMI FAS

Continuous Inkjet Printing

We are the world's leading supplier of miniature solenoid valves for Continuous Inkjet (CIJ) printing. Many of the world's leading CIJ printer brands use IMI technology within their fluid circuits, due to their high durability and suitability for aggressive solvents and inks. Our range is adaptable for many types of printer and labelling machines and includes cylinders, in-line valves and precision solenoid valves.

Thanks to close collaboration with key global customers, IMI has developed miniaturized and robust valves for highly integrated solutions to ensure key functions in the customers' devices.

- Precision miniature design to fit maximum fluidic functions into a minimum footprint
- Superior material compatibility
- Designed to avoid clogging
- Durable in extreme environments e.g. temperature, vibration, humidity, etc.
- Long life expectancy to reduce maintenance costs





Valves for Inkjet Printing Applications

Valves to allow precision control of ink into printing stations

- Control ink/solvent mixing
- Control liquid distribution within the printer
- Transfer ink & make-up from cartridges to main tank
- Transfer to print head
- Collection of return path from print head to printing station
- Specific wetted material coating for opaque inks (high viscosity inks)

Valves to allow accurate control of the ink beam and washing/flushing functions

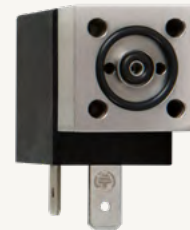
- Ink or make-up supply to print head
- Specific precision designs to maximize reliability
- For dye, food grade or opaque inks



- In-Line MICROSOL**
- 15 mm body
 - 2-way
 - In-line design for better integration

MICROSOL MS-E

- 15 mm body
- 3-way Uni
- 4W / 0.4W
- Up to 5 bar



MINISOL N

- 22 mm body
- 2 or 3-way
- Orifice: 2.0 mm

PICOSOL 2/2 MS

- 10 mm body
- $\text{p} \varnothing 1 \text{ mm}$
- Power consumption: 4.5W / 0.5W
- Highly customizable design



PICOSOL 3/4 MS



Find out more
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