

Formulating a Greener World®

HydraJET® 2018K

Aqueous ink for porous media

BULK INK SYSTEM



TECHNICAL DATA SHEET

HydraJET® 2018K black aqueous TIJ 2.5 ink is designed for track and trace coding and marking and high-productivity industrial printing applications such as wood, packaging, label, mailing and ticket printing.

HydraJET® 2018K ink provides excellent fade resistance and water resistance, long decap time, excellent darkness, sharpness, and barcode readability on various porous and semi-porous substrates such as wood, plain paper, cardboard, duplex board, and semi-porous coated paper. ⁽¹⁾

Technical Specifications

	HydraJET® 2018K Bulk Printhead	HydraJET® 2018K Bulk Ink Reservoir
Ink type	Black dye-pigment aqueous ink	Black dye-pigment aqueous ink
Print cartridge type	HP 45ci	
Resolution	Up to 600 dpi, recommended 300 x 300 dpi	
Nozzle count	300	
Print swath	12.7 mm	
Firing voltage	11.0 V	
Fire pulse width	1.8 µs	
Pulse warming	OFF	
Decap time⁽¹⁾	Up to 2 h	
Drying time⁽¹⁾	2 s at 300 x 300 dpi	
Throw distance⁽²⁾	Up to 3 mm, recommended 1 mm	
Average delivered ink	42 mL (vertical)	400 mL
Average drop volume	27 pL	
Operating conditions	15 °C to 35 °C, 35% to 80% RH	15 °C to 35 °C, 35% to 80% RH
Shipping / storage temperature	10 °C to 35 °C	10 °C to 35 °C
Shelf life⁽³⁾	12 months from filling date	12 months from filling date

Cartridge Shipping & Storage

- Store the cartridge with a clip placed over the printhead. Nozzles up or horizontal.
- Refer to Safety Data Sheet for more information.

Cartridge Maintenance & Handling

- Use a lint-free cloth moistened with deionized water to clean the cartridge printhead.
- Holding the cartridge printhead face down, gently press the printhead on a lint-free cloth to allow ink to wick out. Then, slowly and lightly wipe across the tip of the long edge.
- Do not shake the cartridge.

Ordering Information

Product number	Product description
2018K44S	HydraJET® 2018K Bulk Ink System

(1) Ink performance may vary depending on substrate, printer, and environmental conditions.

(2) Recommended. May vary by application.

(3) Must be shipped and stored under recommended conditions.

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