

**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.

### Technical Specifications

	HydraJET® 2018K Bulk Printhead	HydraJET® 2018K Bulk Ink Reservoir
<b>Ink type</b>	Black dye-pigment aqueous ink	Black dye-pigment aqueous ink
<b>Print cartridge type</b>	HP 45ci	
<b>Resolution</b>	Up to 600 dpi, recommended 300 x 300 dpi	
<b>Nozzle count</b>	300	
<b>Print swath</b>	12.7 mm	
<b>Firing voltage</b>	11.0 V	
<b>Fire pulse width</b>	1.8 µs	
<b>Pulse warming</b>	OFF	
<b>Decap time</b>	Up to 2 h	
<b>Drying time</b>	2 s at 300 x 300 dpi	
<b>Throw distance</b>	Up to 3 mm	
<b>Average bulk delivered ink</b>	420 mL (vertical)	
<b>Average drop volume</b>	27 pL	
<b>Operating conditions</b>	15 °C to 35 °C, 35% to 80% RH	15 °C to 35 °C, 35% to 80% RH
<b>Shipping / storage temperature</b>	10 °C to 35 °C	10 °C to 35 °C
<b>Best before</b>	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

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