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For Immediate Release

Diaphragm Pumps Drive Printed Electronics Manufacturing

*KNF OEM Liquid and Gas Micro Pumps Reliably Transfer Aggressive and Abrasive Inks
without Degradation or Wear*

Trenton, NJ – May 29, 2014 – KNF Neuberger announces its diaphragm liquid and gas micro pumps deliver optimal performance in printed electronics manufacturing. For example, models NF5 and NF30 micro liquid pumps, and NMP830 micro gas pumps provide superior flowrate and design flexibility, in combination with a micro footprint. Additionally, these pumps also offer a long product life, thanks to flow path material chemical compatibility, and their ability to handle very abrasive media, such as inks containing silver and other metallic particles.

“KNF Neuberger liquid and gas diaphragm micro pumps have established a reputation for long-life performance in the inkjet and traditional printing markets by successfully handling the challenges presented by ink media and the printing processes,” said Dave Vanderbeck, Business Development Manager, KNF Neuberger, Inc. “Our engineers and design teams have extensive experience optimizing pumps for applications within the more traditional inkjet printing industries, such as graphics, ceramic tile, textile, and 3D printing. This experience is certainly applicable to inkjet-printed electronics, therefore KNF is uniquely positioned to assist OEMs looking to explore or enter this exciting new electronics manufacturing field.”

Typically, KNF liquid pumps transfer ink through the printing system, such as from a bulk supply tank to a small on-carriage reservoir, or for recirculation to keep ink solids in homogenous suspension. KNF gas/vacuum pumps are most often utilized for various pneumatic tasks and for ink degassing.

KNF OEM pumps offer wide-ranging design flexibility, as customized pump configurations are created per the requirement of each application. Utilizing a modular design to adapt pumps to the needs of OEM design engineers, KNF supplies pumps capable of transferring microliters to liters/minute quickly, efficiently and cost effectively.

About KNF Neuberger

Located in Trenton, NJ, KNF Neuberger, Inc. is a leader in precision air, liquid and gas pumps and systems for the OEM, laboratory and process industries. Built upon a foundation of engineer-to-engineer collaboration, KNF's OEM team combines technical expertise and manufacturing leadership to address application-specific challenges for an ever-growing list of markets that include printing, medical, environmental, laboratory, security, semiconductor, and fuel cells. For more information, visit www.KNFusa.com or www.KNFoem.com.

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