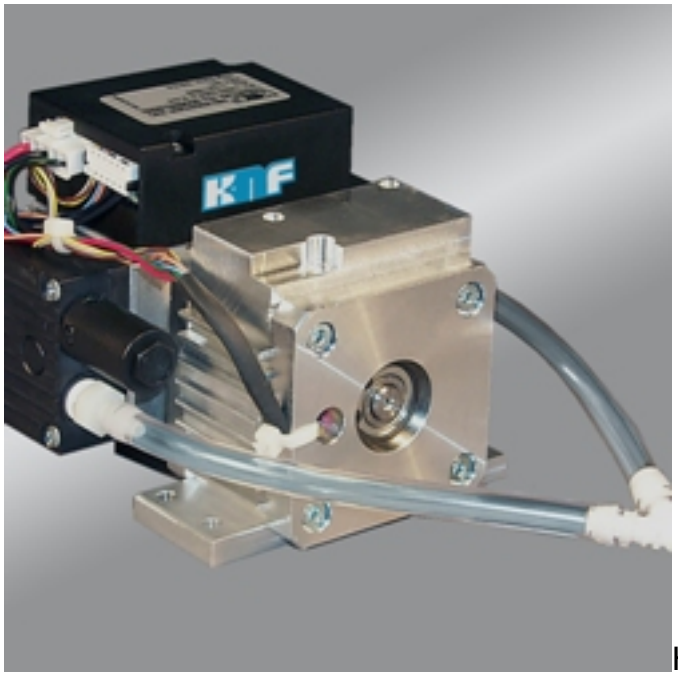
Diaphragm Mini Pumps Introduce ‘Built-To-Suit’ Solutions



KNF diaphragm mini pumps and compressors introduce highly customized “built-to-suit” pump solutions benefiting OEMs with a wide range of available features and options that can be specified to satisfy virtually any application demand. These mini pumps (N85-N815 Series) can reliably handle gases, take samples (even liquids in a vacuum), or evacuate vessels. They are typically used for analyzers, medical instruments, printers and in other applications requiring high performance in a compact package.
All standard pump models in the series can be modified by selecting from an array of choices, including performance modifications, various head materials, multiple stages, wetted coatings, motor types (AC, brush DC, or brushless DC with speed control), connections, tubing, and mountings, among the many possibilities.

Regardless of modification, these lightweight pumps (from 0.56 kg to 1.8 kg) share key features designed to optimize operation and performance. All models are equipped with a patented structured diaphragm delivering high pneumatic performance and efficiency; operate without oil to ensure uncontaminated flow of the pumped medium; and integrate tough valve structures to easily handle vapor and condensation. They require virtually no maintenance and can be mounted in any position.

Depending on model, standard mini pumps can provide flow rates up to 20 l/m, achieve up to 27 in. hg vacuum levels with a single stage, and operate against pressures up to 35 PSIG. Modifications can expand the potential uses for these pumps to better fit your application.

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