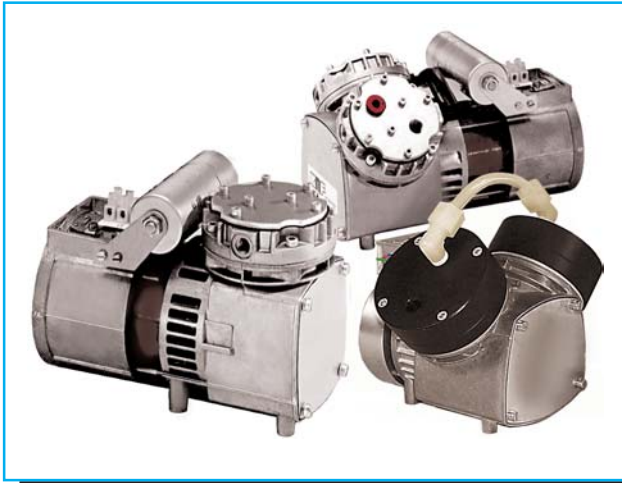


SECTION 70.25

Types: UN726 UN726.1, UN726.1.2 UN726.3

Diaphragm Vacuum Pump and Compressor

Single or Twin-Head Design OEM Installation Models with AC Motor



Models UN726ANI and UN726.1ANI. Also shown is a Project Pump equipped with a brushless DC motor.

Free-Flow Capacity: 17 to 38 liters/min. (0.6 or 1.34 SCFM)
Max. End Vacuum: 29.74 in. Hg (.3 AN model)
Max. Continuous Pressure: 20 PSIG (.1.2 FT model)

Description

KNF's UN726 series of pumps feature smooth, molded diaphragms, creating a deep vacuum for their size. They are available in a variety of materials, from aluminum/neoprene for neutral vapors including air, or premium PTFE for maximum corrosion resistance. The FT series eliminates the worry of chemical attack to the pump or contamination of pumped medium. With heads of solid PTFE and a unique molded diaphragm tightly bonded to a thick layer of PTFE, these pumps will withstand most corrosive vapors. Other materials are available for special requirements. They are available for installation directly into your equipment.

Pump Features

- **Consistent, Clean Performance** - A KNF pump uses no water, pump oil or air for its operation, and it always delivers consistent, dependable performance, and medium transfer is contamination-free. Your pumped sample stays analytically pure. Corrosion-resistant models are available to handle even the harshist vapors.
- **Smooth Diaphragm Surface** - The molded diaphragm surface is smooth, and the absence of a clamping disk eliminates a source of corrosion and leaks.
- **Variety of Motor Options** - With KNF's Project Pump program, our standard products are optimized with a variety of modifications to meet your exact OEM requirements. Other motor types are available for use with this pump, including Group C or D ex-proof, TEFC, and brushless DC.
- **Easy to Install and Maintain** - Everything is pre-wired and assembled, ready to install into your system. Disassembly for occasional cleaning is quick and easy. Special tools or training are unnecessary. Heavy-duty ball-bearings are lubricated and sealed for long life.

Applications

- Process Evaporators
- Vacuum Impregnation
- Stack Gas Sample Extraction
- Vacuum Drying
- Process Gas Monitoring
- Low Pressure Compressor
- Vacuum Distillation
- Transfer of Corrosive Gases
- High Vacuum Roughing Pump
- Vacuum Filtration
- Liquid De-gassing
- General Vacuum Source

KNF Performance Specifications

Model Number	Configuration	Free Flow*	Max Vacuum	Max PSIG	Motor A
UN726.1ANI	Parallel Heads	38 lit/min./1.34 SCFM	28.55 in. Hg/35 Torr	atm.	1.5 A
UN726.3ANI	Two-Stage	20 lit/min./0.71 SCFM	29.74 in. Hg/4.6 Torr	atm.	1.5 A
UN726STI	Single Head	17 lit/min./0.6 SCFM	28.55 in. Hg/35 Torr	atm.	1.1 A
UN726.1STI	Parallel Heads	33 lit/min./1.2 SCFM	28.55 in. Hg/35 Torr	atm.	1.5 A
UN726.3STI	Two-Stage	17 lit/min./0.6 SCFM	29.74 in. Hg/4.6 Torr	atm.	1.5 A
UN726FTI	Single Head	17 lit/min./0.6 SCFM	28 in. Hg/48.8 Torr	20 psig	1.1 A
UN726.1.2FTI	Parallel Heads	30 lit/min./1.06 SCFM	28 in. Hg/48.8 Torr	20 psig	1.5 A
UN726.3FTI	Two-Stage	17 lit/min./0.71 SCFM	29.5 in. Hg/10.7 Torr	atm.	1.5 A

Electrical/Environmental

Motor Voltage/Hz	115 VAC/60 Hz or 230 VAC/50 Hz
Motor Type	Fan-Cooled, Permanent Split-Capacitor, Ball-Bearing Motor
Motor Protection	IP 20 with automatic thermal reset (IP 44, ex-proof, BLDC available)
Maximum Ambient Temp.	40°C / 105°F
Maximum Medium Temp.	40°C / 105°F

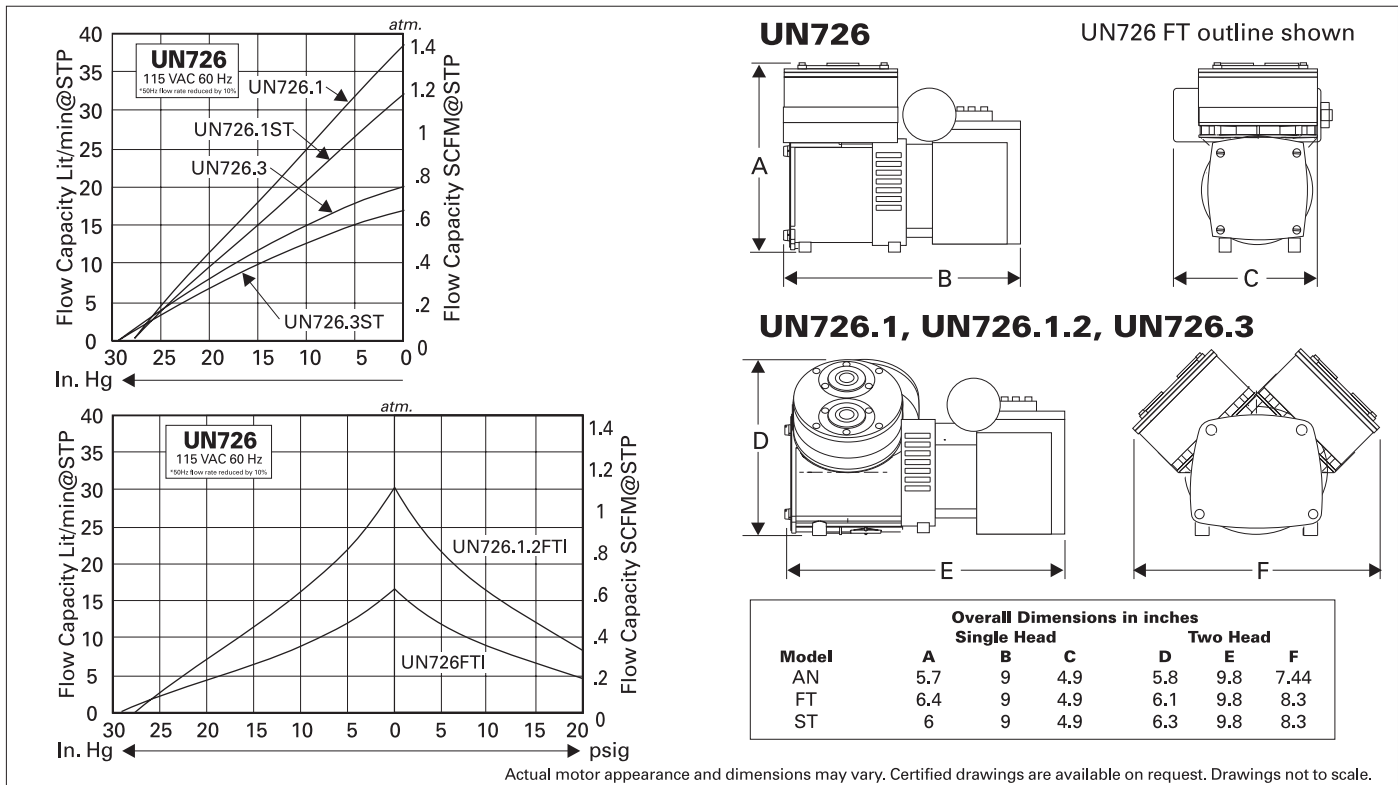
Materials of Construction

Pump Series	Head	Diaphragm	Valves	Gasket
UN726ANI	Aluminum	Neoprene	Stainless Steel	Neoprene
UN726.3ANI	Aluminum	PTFE/Neoprene	Stainless Steel	Neoprene
UN726ATI	Aluminum	PTFE/Neoprene	Stainless Steel	Neoprene
UN726FTI	PTFE	PTFE/Neoprene	PFA	None
UN726STI	316 Stainless Steel	PTFE/Neoprene	PTFE	None

Notes: *Free flow rate reduced by 10% for 50 Hz models. Standard continuous performance ratings are based on technical data and test results of nominal units at sea level with an ambient temperature of 70° F (21° C) and nominal electrical supply at 60 Hz. Dimensions and performance characteristics given are for reference only. Higher performance models, cost efficient OEM modifications, a wide variety of motor options and different materials of construction are available. Contact KNF applications department for details. Specifications subject to change without notice.

Accessories: Hose Connectors, Shock Mounts, Noise & Dust Filters

Performance Characteristics/Outline Dimensions:



KNF NEUBERGER, INC.

Two Black Forest Road
Trenton, New Jersey 08691-1810
609-890-8600 · Fax: 609-890-8323
Web: <http://www.knf.com> · pumps@knf.com

