

SECTION 72.20



Models UN726FTP & UN726.3FTP shown.

**Type: UN726FTP
UN726.1.2FTP
UN726.3FTP**

**Diaphragm Vacuum Pump
and Compressor**

**Single or Twin-Head Design
Solid Teflon® Portable Model**



Free-Flow Capacity:	17 or 30 liters/min. (0.6 or 1.06 SCFM)
Max. End Vacuum:	14 mbar abs./10 Torr (29.5 in. Hg) (.3 model)
Max. Continuous Pressure:	1.4 bar (20 PSIG) (.1.2 model)

Description

You'll never have to worry about proper disposal of contaminated pump oil or aspirator-contaminated water again! KNF's Solid-Teflon® series of vacuum pumps are the perfect replacement for that oil-sealed vacuum pump or water aspirator you may be using. Using no costly water for its operation, it conserves valuable resources and helps protect the environment by eliminating disposal of solvent-contaminated waste water or pump oil.

The FT series eliminates the worry of chemical attack to your pump or contamination of your pumped medium. With heads of solid Teflon® and a unique molded diaphragm tightly bonded to a thick layer of Teflon®, these pumps will withstand most corrosive vapors found in the lab.

They are UL listed, fitted with a handle, on-off switch and cord set for convenient bench-top laboratory use. OEM models are available for installation directly into process-monitoring equipment.

Pump Features

- **Consistent Performance** - A KNF pump uses no water or air for its operation, and it always delivers consistent, dependable performance. Use it anywhere without worrying about house air, water or drain connections.
- **Smooth Diaphragm Surface** - The diaphragm surface is smooth and continuous. The absence of a clamping disk eliminates a source of corrosion and leaks. The molded shape conforms tightly to the solid Teflon® pump head, reducing dead space in the pumping chamber and increasing end-vacuum performance.
- **Medium Transfer is Contamination-Free** because our oil-free design eliminates backsteaming. Your pumped medium stays analytically pure.
- **Easy to Use and Maintain** - Disassembly for occasional cleaning is quick and easy. Special tools or training are unnecessary. Heavy-duty ball-bearings are lubricated and sealed for life. Forget about discarding spent pump oil or quantities of contaminated water.

Applications

- Rotary Evaporation
- 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 Laboratory Vacuum Source

N726FTP

KNF Performance Specifications

Model Number	N726FTP	N726.1.2FTP	N726.3FTP
Head Configuration	Single Head	Parallel-Head	Two-Stage
Maximum Flow	17 lit/min. (0.6 SCFM)	30 lit/min. (1.06 SCFM)	17 lit/min. (0.6 SCFM)
Maximum Vacuum	65 mbar abs./49 Torr (28 in. Hg)	65 mbar abs./49 Torr (28 in. Hg)	14 mbar abs./10 Torr (29.5 in. Hg)
Maximum Cont. Pressure	1.4 bar (20 PSIG)	1.4 bar (20 PSIG)	Vacuum Service Only

Electrical

Motor Voltage & Frequency	115 VAC (60 Hz) or 230 VAC (50 Hz)		
Power Consumption	138 VA	230 VA	230 VA
Motor Type	Fan-Cooled, Permanent Split-Capacitor, Ball-Bearing Motor		
Motor Protection	Automatic Thermal Reset		

Environmental

Maximum Ambient Temp.	40°C / 105°F	40°C / 105°F	40°C / 105°F
Maximum Medium Temp.	40°C / 105°F	40°C / 105°F	40°C / 105°F
Net Weight	4.9 kg / 10.8 lb.	6.8 kg / 15 lb.	6.8 kg / 15 lb.

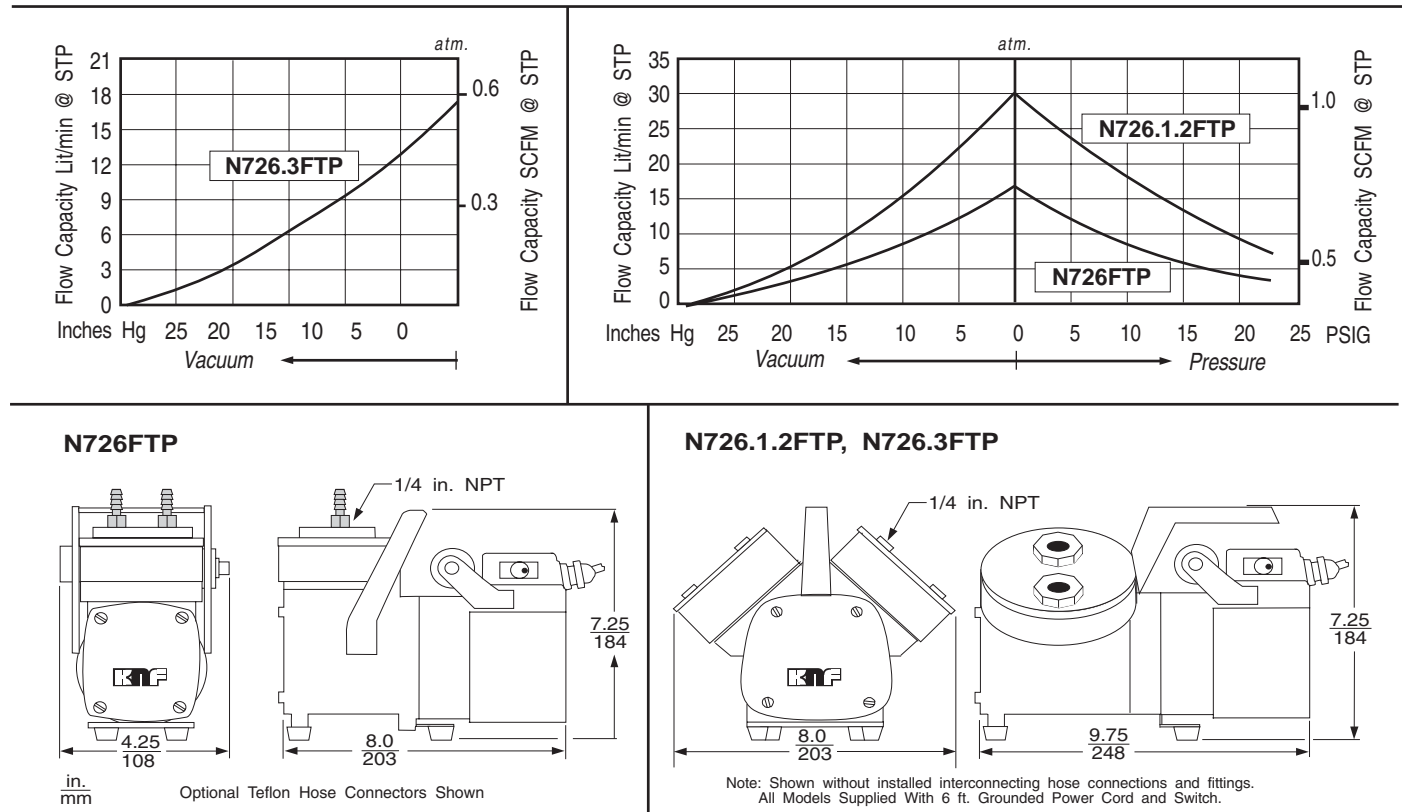
Materials of Construction

Standard Model Number	Head	Diaphragm	Valves
N726FTP	Solid Teflon® (PTFE)	Teflon®(PTFE)-coated neoprene	Kalrez® (FFKM) (PTFE avail.)
N726.1.2FTP	Solid Teflon® (PTFE)	Teflon®(PTFE)-coated neoprene	Kalrez® (FFKM) (PTFE avail.)
N726.3FTP	Solid Teflon® (PTFE)	Teflon®(PTFE)-coated neoprene	Kalrez® (FFKM) (PTFE avail.)

Notes: 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 are listed above. 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. Teflon® and Kalrez® are registered trademarks of E. I. DuPont. Specifications subject to change without notice.

Accessories: ¼" Teflon® Hose Connectors, Teflon® Head Interconnections

Performance Characteristics/Outline Dimensions:



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