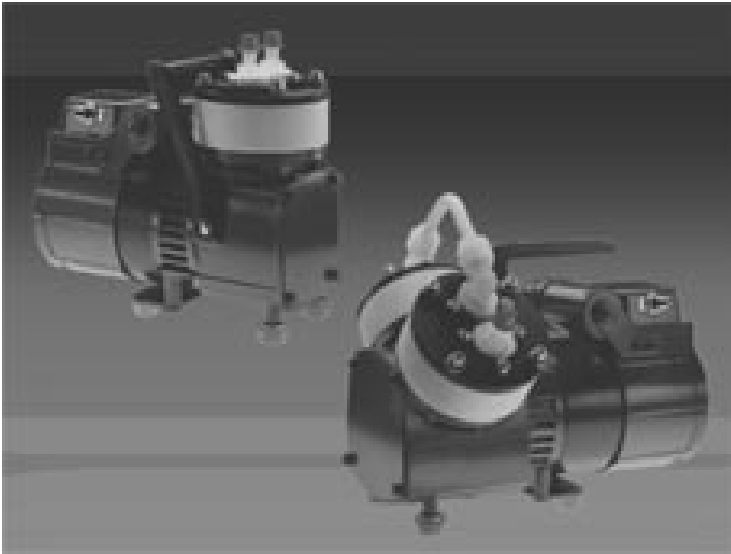


# KNF Neuberger Corrosion-Resistant, Diaphragm Laboratory Pumps & Compressors



**Maximize productivity with consistent performance and maintenance-free operation**

Solid Teflon® resin heads eliminate pitting

Tough Kalrez® valve system resists droplets

Teflon® resin diaphragm achieves deep vacuum

Oil-free, contamination-free performance

No drinking water or waste drain needed

Accessories include a vacuum controller, dry ice trap, muffler, hose and fittings

## Corrosion-resistant vacuum pumps with solid Teflon® resin heads

These clean, oil-free vacuum pumps employ KNF's corrosion-resistant technology. With wetted parts of premium Teflon® and Kalrez® resin, they enjoy a proven reputation for reliability.

**Perfect for most applications.** These pumps are an excellent companion for most laboratory appliances requiring a moderate vacuum source. Use them with your gel dryer, rotary evaporator, distillation processor and vacuum filtration device. There is no need for concern about pump damage from most of the corrosive gases\* found in the lab.

**Solid, stable performance—anywhere.** Aspirators waste expensive drinking water, and performance fluctuates with water pressure and temperature. With KNF pumps, you can always expect consistent, trouble-free performance. And, because they need no water supply or waste drain, you can easily locate them wherever vacuum is needed.

**No oil needed.** They are the perfect replacement for the heavy, messy rotary vane pump. Eliminate potential environmental problems such as exhaust misting or the proper disposal of spent, solvent-contaminated pump oil.

**Unique KNF construction.** Reliability and high performance are built into every KNF pump. The pump head is made of solid Teflon® resin to eliminate pitting or peeling. A threaded metal insert is molded into the reinforced diaphragm, and a tough, Teflon® resin sheet is bonded to its surface. The resulting smooth, one-piece diaphragm has a shape that conforms tightly to the shape of the pump head. The coated-metal clamping disk is eliminated as a potential source of corrosion and vacuum leaks. Finally, sealed, oversize ball bearings are used throughout the pump and require no lubrication.

**Pump configurations.** These economical pumps are available in either single head, parallel head or two-stage configurations. The single head and parallel head models provide output pressure up to 20 psig, 50 Torr vacuum, and transfer most corrosive gases and vapors found in the lab. The two-stage model is designed to obtain a deeper vacuum to 10 Torr.

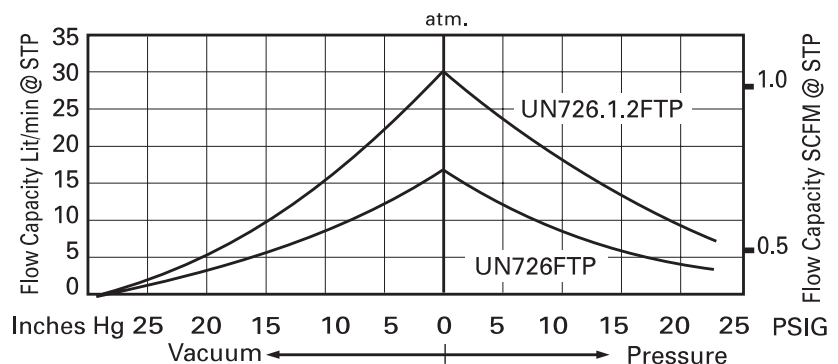
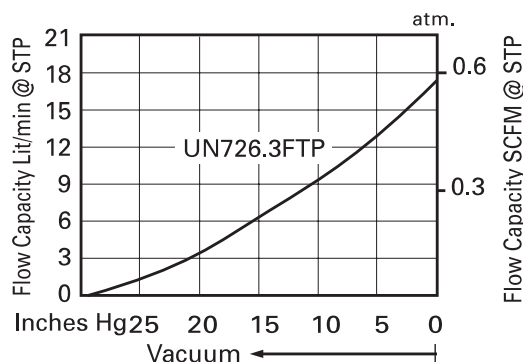
All of these pumps are supplied with ¼" hose connectors.

\*Consult corrosion resistance charts for compatibility.

## Technical Specifications and Ordering Information

KNF Model No.	Free-Flow Capacity	Head Configuration	Maximum Vacuum	Maximum Pressure	Net Weight	115V/60Hz Motor Amps	Overall Dim. L x W x H in.
UN726FTP	17 lit/min	Single Head	50 Torr (28 "Hg)	20 psig	10.8 lb. (4.8 kg)	1.2 A	8 x 4.3 x 7.3
UN726.1.2FTP	30 lit/min	Parallel Head	50 Torr (28 "Hg)	20 psig	15 lb. (6.8 kg)	2 A	9.8 x 8 x 7.3
UN726.3FTP	17 lit/min	Two-Stage	10 Torr (29.5 "Hg)	Vacuum only	15 lb. (6.8 kg)	2 A	9.8 x 8 x 7.3

Standard continuous performance ratings at sea level at 21°C with nominal listed electrical supply, and are subject to change without notice. Teflon® and Kalrez® are registered trademarks of DuPont.



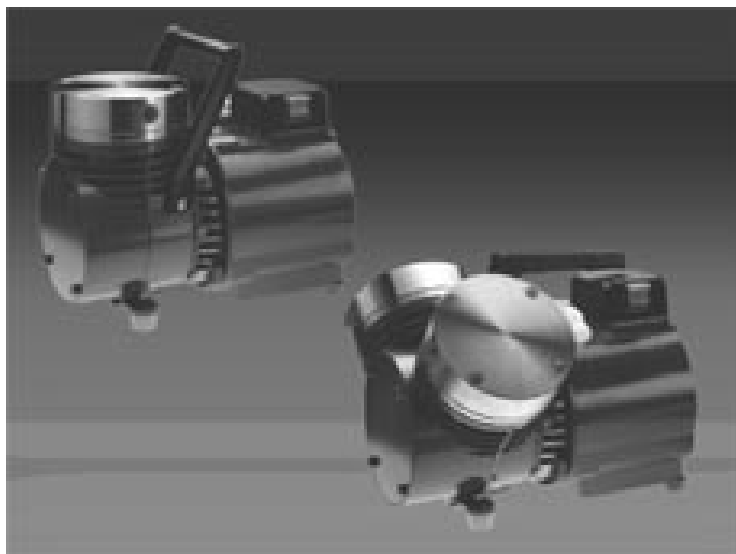
# Corrosion-Resistant, Stainless Steel Vacuum & Pressure Pump

Ideal for higher pressure/flow applications

Solid 316 stainless machined steel heads

Valves of Teflon® resin, Viton® diaphragms

Oil-free, contamination-free operation



These rugged pumps are excellent for higher pressure applications such as gas transfer or circulation. They are resistant to most gases\* found in the laboratory.

**No oil needed.** KNF pumps are the perfect replacement for the heavy, oil-sealed, rotary vane pump. Eliminate potential environmental problems such as exhaust oil misting or the proper disposal of spent, solvent-contaminated pump oil.

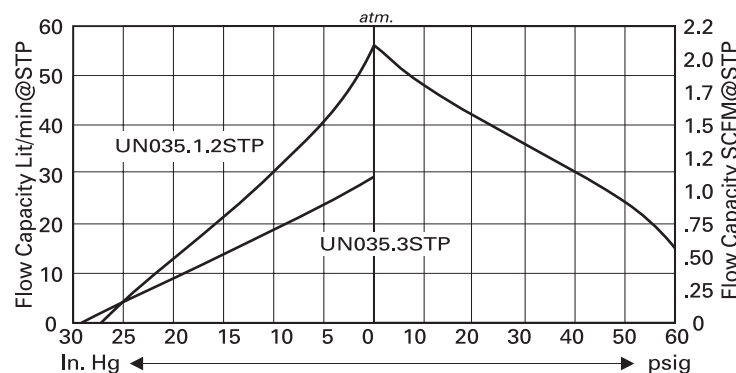
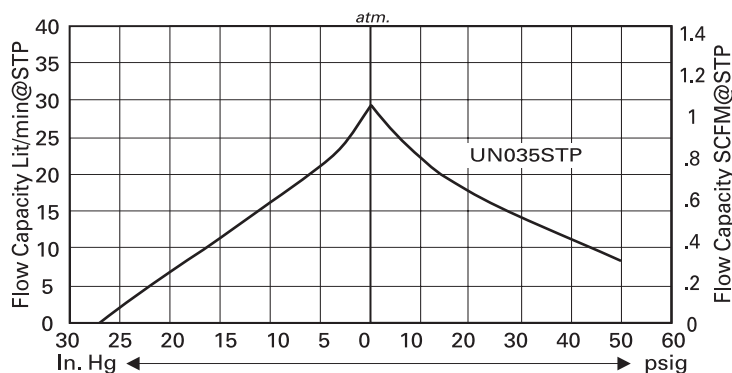
Pump disassembly for cleaning is quick and easy. They feature service-free, fan cooled ball bearing motors for long life. Accessories include a vacuum controller, dry ice trap, and mufflers.

**Applications** - The single and parallel head units feature high flow and high output pressure and are well-suited for the transfer of gases. Use the two-stage pump with rotary evaporators, dryers, distillers, filtration devices and as a general vacuum source.

\*Consult corrosion resistance charts for compatibility.

## Technical Specifications and Ordering Information

KNF Model No.	Free-Flow Capacity	Head Configuration	Maximum Vacuum	Maximum Pressure	Net Weight	115V/60Hz Motor Amps	Overall Dim. L x W x H in.
<i>316 Stainless heads, Teflon® resin diaphragms, Kalrez® valves:</i>							
UN035STP	29.3 lit/min	Single Head	70 Torr (27 "Hg)	60 psig	27.5 lb. (12.5 kg)	4.7 A	10.3 x 6 x 8
UN035.1.2STP	56 lit/min	Parallel Head	70 Torr (27 "Hg)	60 psig	37 lb. (17 kg)	6.3 A	12 x 10 x 8
UN035.3STP	29.3 lit/min	Two Stage	10 Torr (29.5 "Hg)	Vacuum only	37 lb. (17 kg)	6.3 A	12 x 10 x 8
<i>316 Stainless heads, Viton® diaphragms &amp; valves:</i>							
UN035SVP	33 lit/min	Single Head	70 Torr (27 "Hg)	30 psig	27.5 lb. (12.5 kg)	4.7 A	10.3 x 6 x 8
UN035.1.2SVP	62 lit/min	Parallel Head	70 Torr (27 "Hg)	30 psig	37 lb. (17 kg)	6.3 A	12 x 10 x 8
UN035.3SVP	33 lit/min	Two Stage	10 Torr (29.5 "Hg)	Vacuum only	37 lb. (17 kg)	6.3 A	12 x 10 x 8



### KNF NEUBERGER, INC.

Two Black Forest Rd. · Trenton, NJ 08691-1810  
609/890-8600 · Fax: 609/890-8323 · Web: <http://www.knf.com>

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