

Don't let the coal stop!

Keep extracting with



With the US Emergency Temporary Standards becoming law, many coal mines are choosing to design automated sampling and analysis systems to monitor and record methane and oxygen concentrations in abandoned mine shafts.

This cost-effective method will eliminate shut-downs due to false readings, conserve precious manpower, and guarantee the safety of your employees.

KNF Neuberger's robust pumps for hazardous locations are the dependable solution for your sampling system needs.

KNF Neuberger, Inc.
609-890-8600
www.knf.com

Keep Extracting with KNF Pumps!

- Perfect for Automated Sampling
- Class 1 Div 1, groups C & D
- Uncontaminated Sample Transfer
- Corrosion-Resistant Wetted Parts
- Leak-Tight, Ball-Bearing Design
- No Oil Used, Minimal Maintenance

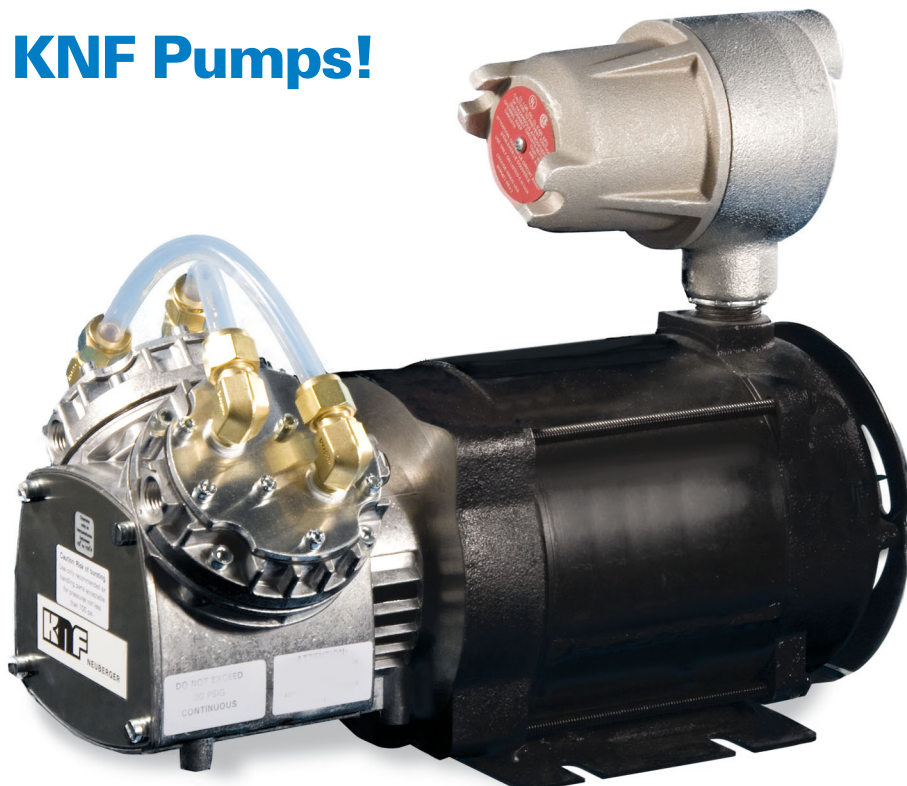
Description

KNF diaphragm pumps are fitted with Class I, Division 1, Groups C & D explosion-proof motors. Designed for continuous, heavy-duty use, 100% ball-bearings are used throughout to provide exceptional reliability in the industrial environment. Most models are fitted with a pre-wired connection box and are tested and ready to install into your system.

Contact KNF applications engineers for assistance selecting the proper pump for your requirements.

Features

- **Variety of wetted materials** - KNF's extensive experience in custom pump design provides many material combinations to choose from for head/diaphragm wetted parts, ranging from AL/NBR for neutral medium to solid PTFE resins for the toughest resistance to harsh corrosives. Always consult corrosion-resistance charts for compatibility.
- **High pressure capability** - Select models are rated to 60 psig continuous, and are designed for those applications requiring higher output pressure and flow.
- **Medium transfer is contamination-free** - Pumped medium stays clean because the pumps are oil-free and have no sliding seals to wear away. Diaphragms coated with PTFE resin are available on FT, ST and TT models.



Model N026.1.2ANI (EX) shown designed for mine sampling

Pump Selection Chart (detailed datasheets available at www.knf.com/process)

Pump Type	Free Flow Rate LPM (SCFM)	Max. Vacuum in. Hg	Max. Pressure psig Continuous	Hazardous Location (Surface Temp. Rating)
Solid PTFE resin models:				
UN726FTI EX	17 (0.6)	27.95	20	C & D, (T3C)
UN726.1.2FTI EX	30 (1.1)	27.95	20	C & D, (T3C)
UN726.3FTI EX	17 (0.6)	29.7	Vacuum only	C & D, (T3C)
UN860FTI EX	60 (2.1)	27.6	20	C & D, (T3C)
UN860.1.2FTI EX	110 (3.9)	27	15	C & D, (T3C)
UN860.3FTI EX	60 (2.1)	29.86	15	C & D, (T3C)
316 Stainless/PTFE models:				
UN026STI EX	17 (0.6)	26.9	36	C & D, (T3C)
UN726STI EX	17 (0.6)	28.55	Vacuum only	C & D, (T3C)
UN026.2STI EX	31 (1.1)	26.8	29	C & D, (T3C)
UN726.3STI EX	17 (0.6)	29.74	Vacuum only	C & D, (T3C)
UN035STI EX	29.2 (1.0)	27	50	C & D, (T3C)
UN035.1.2STI EX	56.1 (2.0)	27	60	C & D, (T3C)
UN035.3STI EX	29.2 (1.0)	29.5	Vacuum only	C & D, (T3C)
PVDF-Coated Aluminum/PTFE models:				
UN035TTI EX	29.3 (1.0)	27	50	C & D, (T3C)
UN035.1.2TTI EX	56.1 (2.0)	27	60	C & D, (T3C)
UN035.3TTI EX	29.3 (1.0)	29.5	Vacuum only	C & D, (T3C)
Aluminum/NBR models:				
UN026ANI EX	25 (0.9)	26.9	36	C & D, (T3C)
UN726ANI EX	20 (0.7)	28.55	Vacuum only	C & D, (T3C)
UN026.2ANI EX	46 (1.6)	27	29	C & D, (T3C)
UN726.3ANI EX	20 (0.7)	29.74	Vacuum only	C & D, (T3C)



KNF NEUBERGER, INC.
Two Black Forest Road
Trenton, NJ 08691-1810
609/890-8600
www.knf.com/process



SECTION 712.00 (03/08)