



*first class pumps for first class science*

# Liquid Diaphragm Pumps for the Laboratory

## LIQUIPORT® NF Series

for convenient transfer and dosing of liquids

flow range up to 3 Lit/min

self-priming up to 10 Ft water

reliable splash-proof housing

available external logic control

runs dry without damage

maintenance-free design



# LIQUIPORT® NF Series

## The convenient way to transfer neutral or corrosive liquids

KNF's LIQUIPORT® NF diaphragm pumps are a convenient way to dose or transfer corrosive or neutral liquids in the laboratory. The pumps are self-priming, maintenance-free and will operate dry indefinitely without damage. Models are available featuring premium, corrosion-resistant PVDF and PTFE resins.

There are no metal wetted parts to corrode nor any troublesome tubing to break or fatigue. Two adjustable-flow ranges are available, and additional high-pressure models are available.

- flow range up to 3 Lit/min
- self-priming up to 10 Ft water
- runs dry without damage
- reliable splash-proof housing
- maintenance-free design
- available external logic control

### Selection Chart

Manual Control - S	Flow Range Lit/min	Max Suction	Max Pressure	List Price
<b>Premium Corrosion Resistance - FT - PTFE/PTFE/FFPM</b>				
<b>NF100FT.18S</b>	.2 - 1.3	10 Ft H <sub>2</sub> O	15 psig	Call
<b>NF1.100FT.18S</b>	.2 - 1.3	10 Ft H <sub>2</sub> O	90 psig	Call
<b>NF300FT.18S</b>	.5 - 3	10 Ft H <sub>2</sub> O	15 psig	Call
<b>NF1.300FT.18S</b>	.5 - 3	10 Ft H <sub>2</sub> O	90 psig	Call
<b>Excellent Corrosion Resistance - TT - PVDF/PTFE/FFPM</b>				
<b>NF100TT.18S</b>	.2 - 1.3	10 Ft H <sub>2</sub> O	15 psig	Call
<b>NF1.100TT.18S</b>	.2 - 1.3	10 Ft H <sub>2</sub> O	90 psig	Call
<b>NF300TT.18S</b>	.5 - 3	10 Ft H <sub>2</sub> O	15 psig	Call
<b>NF1.300TT.18S</b>	.5 - 3	10 Ft H <sub>2</sub> O	90 psig	Call
<b>High Corrosion Resistance - KT - Polypropylene/PTFE/FFPM</b>				
<b>NF100KT.18S</b>	.2 - 1.3	10 Ft H <sub>2</sub> O	15 psig	Call
<b>NF1.100KT.18S</b>	.2 - 1.3	10 Ft H <sub>2</sub> O	90 psig	Call
<b>NF300KT.18S</b>	.5 - 3	10 Ft H <sub>2</sub> O	15 psig	Call
<b>NF1.300KT.18S</b>	.5 - 3	10 Ft H <sub>2</sub> O	90 psig	Call

External Control - RC	Flow Range Lit/min	Maximum Suction	Maximum Pressure Head	List Price
<b>Premium Corrosion Resistance - FT - PTFE/PTFE/FFPM</b>				
<b>NF100FT.18RC</b>	.2 - 1.3	10 Ft H <sub>2</sub> O	15 psig	Call
<b>NF1.100FT.18RC</b>	.2 - 1.3	10 Ft H <sub>2</sub> O	90 psig	Call
<b>NF300FT.18RC</b>	.5 - 3	10 Ft H <sub>2</sub> O	15 psig	Call
<b>NF1.300FT.18RC</b>	.5 - 3	10 Ft H <sub>2</sub> O	90 psig	Call
<b>Excellent Corrosion Resistance - TT - PVDF/PTFE/FFPM</b>				
<b>NF100TT.18RC</b>	.2 - 1.3	10 Ft H <sub>2</sub> O	15 psig	Call
<b>NF1.100TT.18RC</b>	.2 - 1.3	10 Ft H <sub>2</sub> O	90 psig	Call
<b>NF300TT.18RC</b>	.5 - 3	10 Ft H <sub>2</sub> O	15 psig	Call
<b>NF1.300TT.18RC</b>	.5 - 3	10 Ft H <sub>2</sub> O	90 psig	Call
<b>High Corrosion Resistance - KT - Polypropylene/PTFE/FFPM</b>				
<b>NF100KT.18RC</b>	.2 - 1.3	10 Ft H <sub>2</sub> O	15 psig	Call
<b>NF1.100KT.18RC</b>	.2 - 1.3	10 Ft H <sub>2</sub> O	90 psig	Call
<b>NF300KT.18RC</b>	.5 - 3	10 Ft H <sub>2</sub> O	15 psig	Call
<b>NF1.300KT.18RC</b>	.5 - 3	10 Ft H <sub>2</sub> O	90 psig	Call

### Specifications - All Models

FT Materials: Head .....	PTFE	NF100/1.100 Dimension .....	13x10x18 cm	NF300/1.300 Dimension .....	16x11x19 cm
TT Materials: Head .....	PVDF	Diaphragm .....	PTFE	Valves .....	FFPM
KT Materials: Head .....	Polypropylene	Diaphragm .....	PTFE	Valves .....	FFPM
NF100 Hose Connector: .....	3/8" ID	Diaphragm .....	PTFE	Valves .....	FFPM
NF300 Hose Connector: .....	1/2" ID	Diaphragm .....	PTFE	Power .....	100-230 VAC, 50-60 Hz

### Manual or External Control Details

18S Models: ..... Manual control of flow rate adjustable from 10% - 100% on front panel, pressure limit protection.

18RC Models: ..... Manual or external control, analog control: 0 - 10 VDC for 0% - 100% flowrate, pressure limit protection, start/stop control through TTL contact, output signal fault alarm. Includes cable for external control.

Standard continuous performance ratings listed above are per head and are based on technical data and test results of nominal units at sea level with water at 70° F (21° C) and nominal electrical supply. Dimensions and performance characteristics given are for reference only. Visit [www.knflab.com](http://www.knflab.com) for details and list of distributors. Specifications are subject to change without notice.



**KNF liquid pumps are available from your favorite lab equipment distributor or directly from KNF.**

#### KNF NEUBERGER, INC.

2 Black Forest Road  
Trenton, NJ 08691-1810  
Phone: 609-890-8600  
Fax: 609-890-8323  
[www.knflab.com](http://www.knflab.com)

