



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

models to 90 psig head pressure



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 flow ranges, with corresponding high-pressure models, are listed below.

- 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	Maximum Suction	Maximum Pressure Head	List Price
Premium Corrosion Resistance - FT - PTFE/PTFE/FFPM				
NF100FT.18S	.2 - 1.3	10 Ft H ₂ O	15 psig	Call
NF1.100FT.18S	.2 - 1.3	10 Ft H ₂ O	90 psig	Call
NF300FT.18S	.5 - 3	10 Ft H ₂ O	15 psig	Call
NF1.300FT.18S	.5 - 3	10 Ft H ₂ O	90 psig	Call
Excellent Corrosion Resistance - TT - PVDF/PTFE/FFPM				
NF100TT.18S	.2 - 1.3	10 Ft H ₂ O	15 psig	Call
NF1.100TT.18S	.2 - 1.3	10 Ft H ₂ O	90 psig	Call
NF300TT.18S	.5 - 3	10 Ft H ₂ O	15 psig	Call
NF1.300TT.18S	.5 - 3	10 Ft H ₂ O	90 psig	Call
High Corrosion Resistance - KT - Polypropylene/PTFE/FFPM				
NF100KT.18S	.2 - 1.3	10 Ft H ₂ O	15 psig	Call
NF1.100KT.18S	.2 - 1.3	10 Ft H ₂ O	90 psig	Call
NF300KT.18S	.5 - 3	10 Ft H ₂ O	15 psig	Call
NF1.300KT.18S	.5 - 3	10 Ft H ₂ O	90 psig	Call

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

Specifications - All Models

FT Materials: Head..... PTFE
TT Materials: Head..... PVDF
KT Materials: Head..... Polypropylene
NF100 Hose Connector:..... 3/8" ID

NF100/1.100 dimensions..... 13x10x18 cm
Diaphragm..... PTFE
Diaphragm..... PTFE
Diaphragm..... PTFE
NF300 Hose Connector:..... 1/2" ID

NF300/1.300 dimensions..... 16x11x19 cm
Valves..... FFPM
Valves..... FFPM
Valves..... FFPM
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 for details and list of distributors. Specifications are subject to change without notice.



NF Controls

To buy, call KNF at 609-890-8600 or your favorite lab equipment distributor.

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