

# Diaphragm Pumps for Liquids

INNOVATIVE  
TECHNOLOGY  
WORLDWIDE

**KNF**  
NEUBERGER



## LIQUIPORT® Chemically-resistant Diaphragm Liquid Pumps

Flow rate adjustable  
(manual or external)

### Technical features:

- Acid, alkali, solvent resistant
- Self priming
- Dry running
- Maintenance-free
- Splashproof (IP 65)
- Flow rate manually or externally adjustable
- Standby mode
- Maximal pressure limitation

### Series LIQUIPORT®: NF 300 \_\_.18 RC, NF 1.300 \_\_.18 RC Pumps

The LIQUIPORT diaphragm liquid pumps of the NF 300/1.300\_18 RC series reliably pump neutral and aggressive liquids. The flow rate is adjusted by turning a knob with LED or it can be controlled remotely by means of a signal input of 0 to 10V. These pumps work quietly and with low vibrations.

### Material in contact with the pumped media

Type Order No.	Pump head	Diaphragm	Valves
NF 300 KT.18 RC	PP	PTFE-coated	FFPM
NF 300 TT.18 RC	PVDF	PTFE-coated	FFPM
NF 300 FT.18 RC	PTFE	PTFE-coated	FFPM
NF 1.300 KT.18 RC	PP	PTFE-coated	FFPM
NF 1.300 TT.18 RC	PVDF	PTFE-coated	FFPM
NF 1.300 FT.18 RC	PTFE	PTFE-coated	FFPM

Technical data:	NF300KT.18 RC	NF1.300KT.18 RC
	NF300TT.18 RC	NF1.300TT.18 RC
	NF300FT.18 RC	NF1.300FT.18 RC
Flow rate (l/min) <sup>1)</sup>	0.5-3.0	0.5-3.0
Suction head (mWg)	3	3
Pressure head (mWg)	10	60
Connectors for tube (mm)	ID 12	ID 12
Permissible ambient temperature	+5...+40 °C	+5...+40 °C
Liquid temperature	+5...+80 °C	+5...+80 °C
Mains	100-230 V / 50-60 Hz	
Motor protection	IP 65 (splashproof)	IP 65
Power P <sub>1</sub>	24 W	24 W
Signal input (analog)	0 to 10 V	0 to 10 V
Start/Stop	control through TTL contact	
Weight	1.5 kg	1.5 kg
Dimensions		
LxHxW (mm)	160/188/104	160/188/104

<sup>1)</sup> Water at 20°C and zero pressure head

## Accessories and spare parts

Description	Details	Order No.
Hose connector	ETFE, NPT 3/8, for tube ID 12	153753
Connection tube	Polyethylene, ID 12x1	007859
Connection tube	PTFE, ID 12x1	007860
Spares kit NF 300	for KT/TT version	068691
Spares kit NF 1.300	for KT/TT version	069728
Spares kit NF 300	for FT version	151902
Spares kit NF 1.300	for FT version	151903

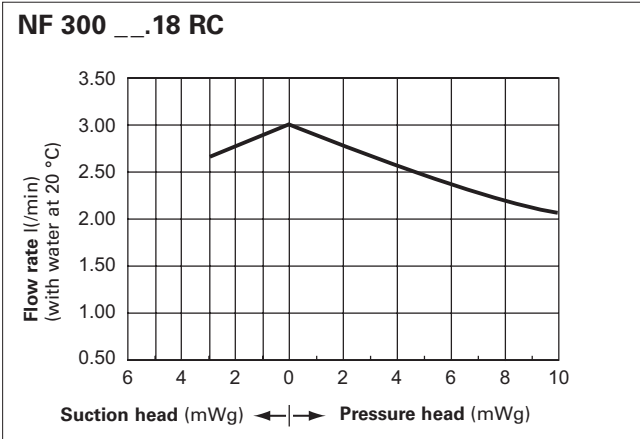
# Diaphragm Pumps for Liquids

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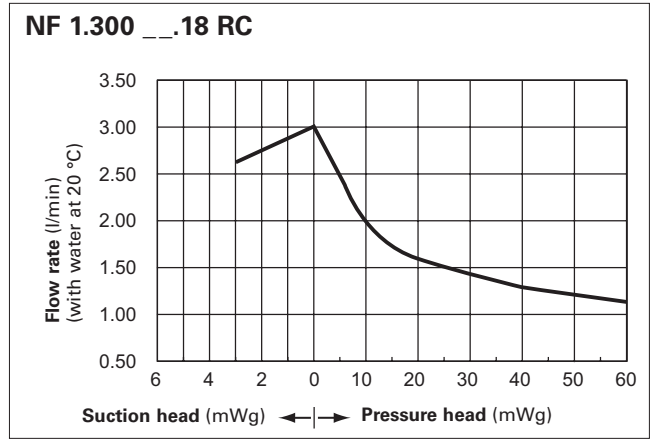


## Dimensions and performance characteristics

Performance characteristics (at max. motor speed)



Performance characteristics (at max. motor speed)



## Dimensions (mm)

**Operation of Liquid Pump**

- ON/OFF button**  
Turns the pump on and off
- EXT**  
Lights up when analog signal is being used (RC-Version)
- MAX**  
Maximum flow rate
- Knob**  
Adjusts the flow from 10% to 100%
- MIN**  
Minimum flow rate
- LED**  
Indicates the flow rate
- Standby**  
„Standby“ lights up green, as soon as the pump is plugged in. Pump is not running

Dimensions (mm):  
 - Overall height: approx. 190.3  
 - Height to top of tank: approx. 185.5  
 - Height to top of pump housing: approx. 183.2  
 - Height to top of control panel: approx. 188  
 - Width: approx. 104  
 - Depth: approx. 160.5  
 - Control panel width: approx. 120.5  
 - Port diameter: for tube ID 12