

# Liquiport®

the transfer pump for liquids



First class pumps for first class science  
[www.knflab.com](http://www.knflab.com)

# Liquiport®

## The rational way to transfer neutral or corrosive liquids



- Flow range from 0.2 l/min to 3 l/min
- Self priming up to 3 mWg
- Able to run dry
- Analog and impulse control
- Splashproof IP 65
- Virtually maintenance free

### One solution, four versions, countless applications

Pump type Liquiport®	Flow rate at atmos. pressure (l/min) (with water at 20°C)	Max. suction head (mWg)	Max. pressure head (mWg)
NF 100	0.2 - 1.3	3	10
NF 1.100	0.2 - 1.3	3	60
NF 300	0.5 - 3.0	3	10
NF 1.300	0.5 - 3.0	3	60

- Protection class . . . . . IP 65
- Mains supply . . . . . 100-230 V / 50-60 Hz
- Allowed ambient temperature . . . . . 5-40°C
- Allowed liquid temperature . . . . . 5-80°C
- Weight NF 100 / 1.100 . . . . . 1.0 kg
- Weight NF 300 / 1.300 . . . . . 1.5 kg
- Dimensions NF 100 / 1.100 . . . . . 130 x 99 x 177 mm
- Dimensions NF 300 / 1.300 . . . . . 160 x 104 x 188 mm

### Manual or external controlling

Version	Control	Function
18S - Version	Manual operation	<ul style="list-style-type: none"> <li>• Flow rate adjustable from 10 to 100%</li> <li>• Standby mode</li> <li>• Maximal pressure limitation</li> </ul>
18RC - Version	Either manual operation or external control	<ul style="list-style-type: none"> <li>• Analog control: 0-10V from 0 to 100% (others on request)</li> <li>• Start / Stop through TTL contact</li> <li>• Output signal fault alarm</li> <li>• Cable for external control included</li> </ul>

### Extremely high chemical resistance

- Our diaphragms are PTFE covered, our valves are made from FFPM
- The head is available in PP / PVDF / PTFE

### Connections

- Supply with barbed fittings:
- NF 100 / 1.100 for tubing ID 8 mm
  - NF 300 / 1.300 for tubing ID 12 mm

Choose your pump. Example: NF 100 TT.18S

Model	+	Head material	+	Control	=	Your Liquiport®
NF 100		KT (PP)		18S - Version		
NF 1.100		TT (PVDF)		18RC - Version		
NF 300		FT (PTFE)				
NF 1.300						