



# LABORATORY VACUUM PUMPS LABOPORT® MINI SERIES

The ideal pumps for:

- Filtration
- Manifolds
- Aspiration
- and more...

# LABOPORT® MINI PUMPS

## CORROSION RESISTANT

Chemically resistant wetted parts for maximum performance and outstanding product life. These pumps can also tolerate occasional liquid injection without damage.

## OIL-FREE

Clean, non-contaminating, and maintenance free.

## COMPACT AND QUIET

A welcome addition to your lab. LABOPORT® MINI pumps are easily carried to wherever you need vacuum.

## OPTIONAL GAUGE AND REGULATOR

For simple, convenient control of your vacuum process.

PUMP SELECTION CHART					
Pump Function	Flow Rate L/min	Vacuum Torr (in. Hg)	Pressure Max psig	Pump only	Pump with Vac. gauge
<b>Bottletop Filtration</b>					
For collection flasks <500 mL	5.5	120 (25.2)	36	N 86 KTP	N 86 KT.45P
For collection flasks >500 mL	13	75 (27)	7.3	N 811 KVP	N 811 KV.45P
<b>Disposable Filtration Assemblies</b>					
For collection flasks <500 mL	5.5	120 (25.2)	36	N 86 KTP	N 86 KT.45P
For collection flasks >500 mL	13	75 (27)	7.3	N 811 KVP	N 811 KV.45P
<b>Vacuum Manifold Filtration</b>					
For up to 4 manifold funnels	30	120 (25.2)	7.3	N 816.1.2 KTP	N 816.1.2 KT.45P
For up to 6 manifold funnels	37	113 (25.5)	7.3	N 838.1.2 KTP	N 838.1.2 KT.45P
<b>Degassing, Vacuum Dessiccation, Solvent Filtration</b>					
Moderate flow	16	15 (29.3)	7.3	N 816.3 KTP	N 816.3 KT.45P
High flow	22	11 (29.5)	7.3	N 838.3 KTP	N 838.3 KT.45P
<b>Glass Filtration Assemblies</b>					
For collection flasks <1 L	13	75 (27)	7.3	N 811 KVP	N 811 KV.45P
For collection flasks >1 L	30	120 (25.2)	7.3	N 816.1.2 KTP	N 816.1.2 KT.45P
<b>Vacuum Dot-, Spot- and Slot-blot</b>					
All	30	120 (25.2)	7.3	N 816.1.2 KTP	N 816.1.2 KT.45P
<b>Vacuum Dessiccation</b>					
For containers <1 L	16	15 (29.3)	7.3	N 816.3 KTP	N 816.3 KT.45P
For containers >1 L	22	11 (29.5)	7.3	N 838.3 KTP	N 838.3 KT.45P
<b>Replace Water Aspirators</b>					
Replacing 1 aspirator	13	75 (27)	7.3	N 811 KVP	N 811 KV.45P
Replacing 2 aspirators	30	120 (25.2)	7.3	N 816.1.2 KTP	N 816.1.2 KT.45P
Replacing 2 or more aspirators	37	113 (25.5)	7.3	N 838.1.2 KTP	N 838.1.2 KT.45P
<b>Replace House Vacuum Port</b>					
Replacing 1 port	30	120 (25.2)	7.3	N 816.1.2 KTP	N 816.1.2 KT.45P
Replacing 2 or more ports	37	113 (25.5)	7.3	N 838.1.2 KTP	N 838.1.2 KT.45P



Vacuum and pressure control gauges are available for all LABOPORT® MINI pumps.

SPECIFICATIONS - ALL MODELS	
Ambient Temp. Range	+5°C to +40°C
Medium Temp. Range	+5°C to +40°C
N 86, N 811, N 816	¼"ID tubing
N 838	⅜"ID tubing
KT Head	PPS
KV Head	PPS
KT Valves	FFPM
KV Valves	FPM
KT Diaphragm	PTFE
KV Diaphragm	PTFE
Power	115V/60Hz*

\*Other power options available.

PUMP MODEL SUMMARY						
Pump only	with Vac. gauge pkg.	Flow Rate L/min	Vacuum Torr (in. Hg)	Pressure Max psig	Dimensions** L x W x H cm	Weight kg
N 86 KTP	N 86 KT.45P	5.5	120 (25.2)	36	18 x 9 x 15	1.9
N 811 KVP	N 811 KV.45P	13	75 (27)	7.3	20 x 9 x 17	2.5
N 816.1.2 KTP	N 816.1.2 KT.45P	30	120 (25.2)	7.3	36 x 14 x 9	4.0
N 816.3 KTP	N 816.3 KT.45P	16	15 (29.3)	7.3	36 x 14 x 9	4.0
N 838.1.2 KTP	N 838.1.2 KT.45P	37	113 (25.5)	7.3	40 x 11 x 21	6.8
N 838.3 KTP	N 838.3 KT.45P	22	11 (29.5)	7.3	40 x 11 x 21	6.8

\*\*Add approximately 6 cm to height for gauge package. Pressure control packages also available, call for details.

You should always check chemical resistance charts for compatibility with the chemicals used in your laboratory. LABOPORT® is a registered trademark of KNF Neuberger GmbH. Specifications subject to change without notice. Other LABOPORT® vacuum pump types available. Visit [www.knfusa.com/laboport](http://www.knfusa.com/laboport) for details and a list of distributors.