UNIQUE DESIGN FOR LAB LIFE

LABOPORT®

VACUUM PUMPS

N 96 | N 820 G | N 840 G

AN EYE FOR DETAIL

RETHINKING EVERYDAY LAB PRACTICE

What aspects do you believe are key when using vacuum pumps in everyday lab practice? What does it take to create simple, economical processes that are reliable day in, day out? And what makes work enjoyable?

These are the questions we used as a guide when redesigning our successful laboratory pump series LABOPORT. We became involved in daily lab work, asking users what they wished for, enlisting experts to perform tests and incorporating their suggestions.

The result? Clever, elegant design with clear benefits in terms of handling and functionality.

HELLO, NEW LABOPORT!

WE KNOW WHAT COUNTS

UNIQUE DESIGN, EASE OF USE

n **Exceptionally space saving**
The impressively compact device takes up little space.

n **Easy to clean**
The smooth surfaces without any ribs or hard edges are easy to keep clean.

n **ATEX-compliant and chemically resistant for very aggressive/ corrosive gases**
The inner, wetted area has been equipped to transfer explosive atmospheres.

n **Expandable**
Separators and/or condensers can be purchased individually at any time and easily fitted, enabling users to build their own customized vacuum system.

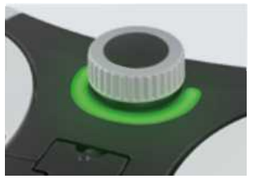
n **Integrated gas ballast valve**
This valve supports short processing times even with solvents with a high boiling point, which protects the pump head.

n **Portable**
The fold-out handle makes the device easy to transport and store.

Speed-controlled
The speed can be controlled by simply manually adjusting the vacuum power using the control knob or via an interface by connecting the pump to KNF's VC 900 controller. Ideal for combining with all common vacuum controllers with valve control.

3-color status display
The changing color display allows the operational status to be ascertained at a glance.

Blue: in operation



Green: stand-by

Red: error

AN ALL-ROUNDER IN THE LAB

LABOPORT® N 96

LABOPORT® N 840 G

LABOPORT® N 820 G

		LABOPORT® N 96	LABOPORT® N 820 G Ⓔx II 2/-G IIB+H2 T3 internal atmosphere only	LABOPORT® N 840 G Ⓔx II 2/-G IIB+H2 T3 internal atmosphere
APPLICATION	Filtration	x		x
	SPE	x		
	Degassing		x	
	Fluid aspiration	x	x	
	Gel drying		x	
	Rotary evaporation		x	x
	Centrifugal concentration			x
TECHNICAL DATA	Flow rate (m³/h) at atm. pressure	0.4	1. 2	2.04
	Ultimate vacuum (mbar abs.)	< 130	6	6
	Operating pressure (bar)	2.5	0.1	0.1
	Hose connections (mm)	NPT 1/8 – ID6, PP	ID 9.5 – 8, PVDF	ID 9.5 – 8, PVDF
	Permissible media and ambient temperature	+5 … + 40 °C	+5 … +40 °C	+5 … + 40 °C
	Integrated gas ballast valve	No	Yes	Yes
	Integrated rotational speed control	Yes	Yes	Yes
	Weight (kg)	1.3	8.8	11.3
	Dimensions W x H x D (mm)	156 x 119 x 75	163 x 220 x 259	177 x 240 x 289
MATERIAL	Pump head	PPS	PTFE	PTFE
	Diaphragm	PTFE-coated	PTFE-coated	PTFE-coated
	Valves	FKM	FFPM	FFPM
ACCESSORIES	Column fixture	Order no. 323484		

ATEX KEY FOR LABOPORT N 820 G AND N 840 G AND THE TRANSFERABLE, EXPLOSIVE GASES AND VAPORS:

	Ⓔx II 2/-G IIB+H2 T3 INTERNAL ATMOSPHERE ONLY		
	T1	T2	T3
	methane		
IIA	acetone, ammonia, benzene (pure), acetic acid, ethane, ethyl acetate, carbon oxide, methanol, propane, toluene	ethyl alcohol, n-butane, n-butyl alcohol	gasolines, diesel fuel, aviation fuel, fuel oils, n-hexane
IIB	town gas	ethene	
IIC	hydrogen		