



FILTRATION / SPE. RELIABLE VACUUM FOR CLEAN RESULTS. COMPACT, POWERFUL, FAST.

LABOPORT®

SMALL AND FOR (ALMOST) ANY USE



N 86 KT.18 Mini Diaphragm Vacuum Pump

- Flow rate 0.33 m³/h / Ultimate vacuum 160 mbar abs.
- Extremely low footprint
- PTFE-coated diaphragm is ideal for aggressive/corrosive gases and vapors

LABOPORT®

HIGH-PERFORMANCE



N 816.3 KT.18 and N 816.1.2 KT.18 Mini Diaphragm Vacuum Pump

- Flow rate up to 1.8 m³/h / Ultimate vacuum up to 20 mbar abs.
- PTFE-coated diaphragm is ideal for aggressive/corrosive gases and vapors



LABOPORT®

FAST



N 938.50 KT.18 Mini Diaphragm Vacuum Pump

- Flow rate 1.8 m³/h / Ultimate vacuum 15 mbar abs.
- Connecting both pump heads in parallel and in series ensures exceptionally fast evacuation
- PTFE-coated diaphragm is ideal for aggressive/corrosive gases and vapors

LABOPORT®

CHEMICALLY RESISTANT



N 840.3 FT.18 Diaphragm Vacuum Pump

- Flow rate 2.04 m³/h / Ultimate vacuum 8 mbar abs.
- High level of vapor and condensate compatibility
- PTFE pump head combined with PTFE-coated diaphragm are ideal for extremely aggressive/corrosive gases and vapors

TECHNICAL DATA

		LABOPORT® N 86 KT.18	LABOPORT® N 816.3 KT.18	LABOPORT® N 816.1.2 KT.18	LABOPORT® N 938.50 KT.18	N 920 KT.29.18	LABOPORT® N 810.3 FT.18		LABOPORT® N 820.3 FT.18	LABOPORT® N 840.3 FT.18	LABOPORT® N 842.3 FT.18	LABOPORT® SD N 820.3 FT.40.18	LABOPORT® SD N 840.3 FT.40.18	N 860.3 FT.40.18	LABOBASE® SBC 840.40	LABOBASE® SBC 860.40	
APPLICATION	Filtration	x	x	x	x					x							
	SPE	x	x		x												
	Degassing		x		x	x			x								
	Fluid aspiration	x	x				x										
	Gel drying					x			x								
	Rotary evaporation					x			x	x	x			x			
	Distillation					x					x				x		
	Vacuum oven												x	x	x		
	Multi-user vacuum systems															x	x
	Centrifugal concentration					x				x					x		
	Metering/Transferring liquids																
TECHNICAL DATA	Flow rate (m³/h) at atm. pressure	0.33	0.96	1.8	1.8	1.2	0.6		1.2	2.04	2.04	1.2	2.04	3.6	2.04	3.6	
	Ultimate vacuum (mbar abs.)	160	20	160	15	2	8		8	8	2	10	10	4	10	4	
	Operating pressure (bar)	2.5	0.5	0.5	0.5	0.5	1		1	1	1	1	1	1	1	1	
	Flow rate (ml/min) with water at 20 °C and zero pressure head																
	Flow rate (l/min) with water at 20 °C and zero pressure head																
	Pressure head (mWg)																
	Suction head (mWg)																
	Connectors for tube (mm)	ID 4	ID 6	ID 6	ID 10	ID 10	ID 10		ID 10	ID 10	ID 10	ID 10	ID 10	ID 10	ID 12	ID 10	ID 10
	Permissible gas and ambient temperature	+5 ... +40 °C	+5 ... +40 °C	+5 ... +40 °C	+5 ... +40 °C	Gas temp.: + 5 ... +40 °C Ambient temp.: +10 ... +40 °C	+5 ... +40 °C		+5 ... +40 °C	+5 ... +40 °C	+5 ... +40 °C	+5 ... +40 °C	+5 ... +40 °C	+5 ... +40 °C	+5 ... +40 °C	+5 ... +40 °C	+5 ... +40 °C
	Weight (kg)	1.9	3.95	3.95	6.8	8.6	6.9		9.3	12.6	13.4	9.6	12.9	14.8	22.9	25.3	
Dimensions L x H x W (mm)	164 x 141 x 90	361 x 141 x 90	361 x 141 x 102	317 x 212 x 110	324 x 226 x 158	281 x 187 x 140		312 x 207 x 154	341 x 226 x 166	341 x 223 x 167	312 x 220 x 177	341 x 239 x 189	331 x 278 x 291	450 x 515 x 322	437 x 552 x 314		
MATERIAL	Pump head	PPS	PPS	PPS	PPS	PPS	PTFE		PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE	
	Diaphragm	PTFE-coated	PTFE-coated	PTFE-coated	PTFE-coated	PTFE-coated	PTFE-coated		PTFE-coated	PTFE-coated	PTFE-coated	PTFE-coated	PTFE-coated	PTFE-coated	PTFE-coated	PTFE-coated	
	Valves	FFPM	FFPM	FFPM	FFPM	FFPM	FFPM		FFPM	FFPM	FFPM	FFPM	FFPM	FFPM	FFPM	FFPM	
ACCESSORIES	Coolant valve – G 1/2, ID 8														Order no. 045075	Order no. 045075	
	Silencer	Order no. 000345	Order no. 000345		Order no. 007006	Order no. 007006											
	Hose connector	G1/8 ID4 PVDF Order no. 025671 G1/8 ID6 PVDF Order no. 123363 G1/8 ID4 PA Order no. 001936 G1/8 ID6 PA Order no. 000360 G1/8 ID8 PA Order no. 004975	G1/8 ID6 PVDF Order no. 123363 G1/8 ID6 PA Order no. 000360 G1/8 ID8 PA Order no. 004975		G1/8 ID10 PVDF Order no. 112004												
	Fine control valve with pressure gauge	Order no. 001786						Order no. 112432									
	Fine control valve with vacuum gauge	Order no. 001787	Order no. 0057830	Order no. 0057830	Order no. 112432												
	Small flange, stainless steel						Order no. 046625										
	Gas washing bottle, 0.5 l														Order no. 045886	Order no. 045886	
	Non-return valve - unregulated, for fume hoods (PE-HD)														Order no. 118366 Order no. 118364	Order no. 118366 Order no. 118364	
	Vacuum supply point – unregulated, for installation in laboratory equipment (PPS)														Order no. 118362	Order no. 118362	
	Mobile controller unit for regulated vacuum supply (chemically-resistant)														Order no. 048459	Order no. 048459	