

LABORATORY SOLUTION

Diaphragm Vacuum Pump & Liquid Dosing Pump

진공펌프 & 액체정량펌프

Main Products

KNF made in Germany

The Expert of Diaphragm vacuum technology.



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Diaphragm Liquid Dosing Pump (액체정량펌프)

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Chemistry Diaphragm Vacuum Pump

N820 series [3FT.18]



- 내화학성 다이어프램 진공펌프
- Pump head, Diaphragm 재질: PTFE
- 100% oil-free pump로 소음 및 내구성 우수
- 내화학성 Teflon 재질로 부식성 chemical 사용에 적합
- Compact design, space-saving
- Rotary evaporator, Distillation, Filtration, Degassing, Vacuum concentration, Gel dry, Vacuum oven etc.

Technical Data	N820.3FT.18	N840.3FT.18	N842.3FT.18	N860.3FT.40.18
Flow rate	20 L/min	34 L/min	34 L/min	60 L/min
Ultimate vacuum	8 mbar, 6 torr	8 mbar, 6 torr	2 mbar, 1.5 torr	4 mbar, 3 torr
Materials of pump head	PTFE	PTFE	PTFE	PTFE
Materials of diaphragm	PTFE-coated	PTFE-coated	PTFE-coated	PTFE-coated
Materials of valve	FFPM	FFPM	FFPM	FFPM
Hose connection	ID 10 mm	ID 10 mm	ID 10 mm	ID 12 mm
Voltage & motor power	230V, 120 W	230V, 245 W	230V, 245 W	230V, 245 W
Dimensions (W x H x D)	154 x 207 x 312 mm	166 x 226 x 341 mm	167 x 223 x 341 mm	291 x 278 x 331 mm
Weight	9.3 kg	12.6 kg	13.4 kg	14.8 kg

Chemistry Diaphragm Vacuum Pump

Mini-pump (N86, N811) series

- 내화학성 다이어프램 진공펌프
- 크기가 작은 mini-pump
- 100% oil-free pump로 소음 및 내구성 우수
- 1L flask filtration 에 최적화된 pump
- Aspirator 대용으로 사용이 가능한 pump



Technical Data	N86KT.18	N86KN.18	N811KT.18	N811KN.18
Flow rate	5.5 L/min	6.0 L/min	11.5 L/min	11.5 L/min
Ultimate vacuum	160 mbar	100 mbar	290 mbar	240 mbar
Materials of pump head	PPS	PPS	PPS	PPS
Materials of diaphragm	PTFE-coated	EPDM	PTFE-coated	EPDM
Materials of valve	FFPM	FPM	FFPM	FPM
Hose connection	ID 4 mm	ID 4 mm	ID 6 mm	ID 6 mm
Motor power	230V, 60 W	230V, 60 W	230V, 65 W	230V, 65 W
Dimensions (W x H x D)	90 x 141 x 164 mm	90 x 141 x 164 mm	90 x 157 x 187 mm	90 x 157 x 187 mm
Weight	1.9 kg	1.9 kg	2.5 kg	2.5 kg



Chemistry Diaphragm Vacuum Pump

N820G series

- 내화학성 다이어프램 진공펌프
- 진공유량을 조절하여 편리한 실험이 가능하도록 함
- Pump head, Diaphragm 재질: PTFE
- 100% oil-free pump로 소음 및 내구성 우수
- 내화학성 Teflon 재질로 부식성 chemical 사용에 적합
- Compact design, space-saving
- Rotary evaporator, Distillation, Filtration, Degassing, Vacuum concentration, Gel dry, Vacuum oven etc.

Technical Data	N820G	N840G
Flow rate	20 L/min	34 L/min
Ultimate vacuum	6 mbar, 4.5 torr	6 mbar, 4.5 torr
Materials of pump head	PTFE	PTFE
Materials of diaphragm	PTFE-coated	PTFE-coated
Materials of valve	FFPM	FFPM
Hose connection	ID 9.5 ~ 8 mm	ID 10 mm
Voltage & motor power	100 ~ 240V, 60 W	100 ~ 240V, 100 W
Dimensions (W x H x D)	163 x 220 x 259 mm	177 x 240 x 289 mm
Weight	8.8 kg	11.3 kg

Chemistry Diaphragm Vacuum Pump

SR820G series

- 내화학성 다이어프램 진공펌프
- 진공유량을 조절하여 편리한 실험이 가능하도록 함
- Pump + Separator.
- Pump head, Diaphragm 재질: PTFE
- 100% oil-free pump로 소음 및 내구성 우수
- 내화학성 Teflon 재질로 부식성 chemical 사용에 적합
- Compact design, space-saving
- Rotary evaporator, Distillation, Filtration, Degassing etc

Technical Data	SR820G	SR840G
Flow rate	20 L/min	34 L/min
Ultimate vacuum	6 mbar, 4.5 torr	6 mbar, 4.5 torr
Materials of pump head	PTFE	PTFE
Materials of diaphragm	PTFE-coated	PTFE-coated
Materials of valve	FFPM	FFPM
Hose connection	ID 10 mm	ID 10 mm
Motor power	100 ~ 240V, 60 W	100 ~ 240V, 100 W
Dimensions (W x H x D)	282 x 234 x 260 mm	299 x 250 x 274 mm
Weight	10.7 kg	13.1 kg



Chemistry Diaphragm Vacuum Pump

SC820G series

- 내화학성 다이어프램 진공펌프
- 진공유량을 조절하여 편리한 실험이 가능하도록 함
- Solvent recovery system : Pump + Condenser + Separator.
- 전용 Vacuum controller를 이용하여 wireless vacuum control
- Pump head, Diaphragm 재질: PTFE
- 100% oil-free pump로 소음 및 내구성 우수
- 내화학성 Teflon 재질로 부식성 chemical 사용에 적합
- Rotary evaporator, Distillation, Filtration, Degassing etc.

Technical Data	SC820G	SC840G
Flow rate	20 L/min	34 L/min
Ultimate vacuum	6 mbar, 4.5 torr	6 mbar, 4.5 torr
Materials of pump head	PTFE	PTFE
Materials of diaphragm	PTFE-coated	PTFE-coated
Materials of valve	FFPM	FFPM
Hose connection	ID 10 mm	ID 10 mm
Motor power	100 ~ 240V, 60 W	100 ~ 240V, 100 W
Dimensions (W x H x D)	347 x 416 x 260 mm	366 x 416 x 274 mm
Weight	13.35 kg	15.75 kg



Chemistry Diaphragm Vacuum Pump

SH820G series

- 내화학성 다이어프램 진공펌프
- 진공유량을 조절하여 편리한 실험이 가능하도록 함
- Solvent recovery system : Pump + Condenser + Separator.
- Pump head, Diaphragm 재질: PTFE
- 100% oil-free pump로 소음 및 내구성 우수
- 내화학성 Teflon 재질로 부식성 chemical 사용에 적합
- Compact design, space-saving
- Rotary evaporator, Distillation, Filtration, Degassing etc.

Technical Data	SH820G	SH840G
Flow rate	20 L/min	34 L/min
Ultimate vacuum	6 mbar, 4.5 torr	6 mbar, 4.5 torr
Materials of pump head	PTFE	PTFE
Materials of diaphragm	PTFE-coated	PTFE-coated
Materials of valve	FFPM	FFPM
Hose connection	ID 9.5 ~ 8 mm	ID 10 mm
Voltage & motor power	100 ~ 240V, 60 W	100 ~ 240V, 100 W
Dimensions (W x H x D)	323 x 416 x 260mm	340 x 416 x 274 mm
Weight	11.7 kg	14.1 kg



Chemistry Diaphragm Vacuum Pump

SC920G

- 내화학성 다이어프램 진공펌프
 - Pumping speed: 21 L/min
 - Solvent recovery system
 - Vacuum control system
- 구성: Pump + Vacuum controller + Condenser + Separator
원하는 진공도 유지
Auto-distillation
다양한 vacuum control program 기능

Technical Data	SC920G
Flow rate	21 L/min
Ultimate vacuum	2 mbar, 1.5 torr
Materials of pump head	PPS
Materials of diaphragm	PTFE-coated
Materials of valve	FFPM
Hose connection	ID 10 mm
Voltage & motor power	230V, 135 W
Dimensions (W x H x D)	366 x 423 x 294 mm
Weight	15.2 kg

Chemistry Diaphragm Vacuum Pump

N950.50

- 내화학성 다이어프램 진공펌프
- 최대 유량 : 55 L/min
- Diaphragm 재질: PTFE
- 100% oil-free pump로 소음 및 내구성 우수
- 내화학성 Teflon 재질로 부식성 chemical 사용에 적합
- Rotary evaporator, Distillation, Filtration, Defassing, Vacuum concentration, Gel dry, Vacuum oven etc.



Technical Data	N950.50 KNE-W
Flow rate	55 L/min
Ultimate vacuum	2 mbar, 1.5 torr
Materials of pump head	PPS
Materials of diaphragm	PTFE-coated
Materials of valve	FPM
Hose connection	ID 10 mm
Voltage & motor power	230V, 140 W
Dimensions (W x H x D)	239 x 163 x 186 mm
Weight	7.4 kg

Vacuum Control System

VC900



- 진공조절 시스템
- 원하는 진공도 유지
- 구성: Vacuum controller + Operation unit
- 무선조절 시스템

Diaphragm Liquid Pump

SIMDOS series

- 다이어프램 액체정량펌프
- 정액, 정량 이송이 가능
- Self-priming 기능: 액상이 없더라도 자체흡입 가능
- 다양한 재질의 Pump head
PP, PVDF, PTFE, Stainless steel
- 내화학성 재질의 PTFE 재질 head 적용가능
- 간편하고 손쉬운 Calibration



Technical Data	Simdos02	Simdos10
Model name	FEM1.02	FEM1.10
Flow rate	0.03 ~ 20 ml/min	1 ~ 100 ml/min
Head materials	PP (KT), PVDF (TT) PTFE (FT), Stainless (ST)	
Suction height (mWg)	2	
Max. pressure (bar)	6	
Dimensions	93 x 150 x 144 mm	
Weight	0.9 kg	

Diaphragm Liquid Pump

LIQUIPORT series

- 다이어프램 액체이송펌프
- 정량성이 보장되지 않는 액체이송펌프
- Self-priming 기능: 액상이 없더라도 자체흡입 가능
- 다양한 재질의 Pump head
PP, PVDF, PTFE
- 내화학성 재질의 PTFE 재질 head 적용가능



Technical Data	Liquiport1.100	Liquiport1.300
Model name	NF1.100	NF1.300
Flow rate	0.2 ~ 1.3 L/min	0.5 ~ 3 L/min
Head materials	PP (KT), PVDF (TT) PTFE (FT)	
Suction height (mWg)	3	
Max. pressure (bar)	3	
Dimensions	130 x 99 x 177 mm	160 x 104 x 188 mm
Weight	1.0 kg	1.5 kg



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홈페이지 바로가기