

KNF® LABOPORT® Corrosion-Resistant and Solid PTFE Vacuum Pumps

Virtually no maintenance required

– Quiet, reliable pumps with excellent chemical compatibility

Compact pumps can be used in even the smallest locations and with aggressive solvents without the risk of damaging the pump. Pumps are ready to use within minutes of receiving and require little maintenance. Two pump heads connected in parallel will double the pumping capacity while two heads connected in series will increase the vacuum level the pump can achieve.

A. Corrosion-Resistant Vacuum/Pressure Pumps feature PVDF-coated aluminum, stainless steel (SS), or Ryton® PPS heads with PTFE, Kalrez®, or stainless steel valves.

B. Solid-PTFE Head Vacuum/Pressure Pumps feature solid-PTFE pump heads and Kalrez valves and seals to provide excellent protection against the most aggressive solvent vapors. Structured diaphragm and multiport umbrella valves increase pump life and reliability.



B
Single-stage pump



Head configurations	Free-air capacity cfm (L/min)	Max vacuum " Hg (Torr)	Max psi	Wetted parts	Port size NPT(F)	115 VAC, 60 Hz models		230 VAC, 50 Hz models	
						Catalog number	Price	Catalog number	Price
A. Corrosion-resistant pumps (not shown)									
Single	0.19 (5.5)	25.2" (120)	35	PTFE, Ryton® PPS	1/8"†	GH-07056-61		GH-07056-66	
Single	1.1 (30)	27" (74)	60	PTFE, PVDF	1/4"	GH-07056-32		GH-07056-33	
Single						GH-07056-30		GH-07056-31	
Dual/series	1.1 (30)	29.5" (11)	—	PTFE, PVDF	1/4"	GH-07056-37		GH-07056-38	
B. Solid PTFE head pumps									
Single	0.35 (10)	27" (74)	15	PTFE, Kalrez	3/8"†	GH-78162-00		GH-78162-05	
Dual/series	0.35 (10)	29.7" (6)				GH-78160-00		GH-78160-05	
Single	0.71 (20)	27" (74)	15	PTFE, Kalrez	3/8"†	GH-78162-10		GH-78162-15	
Dual/series	0.71 (20)	29.7" (6)				GH-78160-10		GH-78160-15	
Dual/parallel	2.3 (65)	27.7" (56)	15	PTFE, Kalrez	3/8"†	GH-78160-30		GH-78160-35	

†Pumps include 6-mm hose barbs. †Pumps include 10-mm hose barbs.

Dryfast® Vacuum Pumps

Maintenance free—no need to oil

- All wetted surfaces are PTFE / fluorinated
- Chemical duty for a wide range of lab applications

Dryfast pumps provide affordable vacuum for applications generating chemically aggressive fumes. Vacuum levels available down to 2 Torr, with free-air flow up to 70 L/min. Use the Advanced Vapor Management (AVM) control to fine-tune your vacuum application and prolong diaphragm life by purging ingested fumes through the pump.

Choose by Application:

For Rotary Evaporation, select a 2 Torr model for fast evaporation of DMF, a 9 Torr model for mid-range (~100°C) boiling solvents, or the 40 Torr model for volatile solvents like DCM.

For Filtration, model 79205-16/-19 provides vacuum for up to 3 funnels; select high-flow (70 L/min) model 79206-20/-25 for up to 8 filtering stations.

For Vacuum Ovens, select the high-flow 2 Torr model 79206-50/-55 for ovens <2 ft³; select high flow (70 L/min) model 79206-20/-25 for larger ovens.



Free-air capacity cfm (L/min)†	Max vacuum, " Hg (Torr)	Wetted parts	Motor hp	Noise rating, dB(A)	Port size	115 VAC, 60 Hz models		230 VAC, 50 Hz models	
						Catalog number	Price	Catalog number	Price
0.9 (25)	28.3 (40)	PTFE, perfluoroelastomer	1/10	61	1/4" barb	GH-79205-16		GH-79205-19	
2.5 (70)	28.7 (30)		1/8			GH-79206-20		GH-79206-25	
1.2 (35)	29.6 (9)		1/8			GH-79206-30		GH-79206-35	
0.9 (25)	29.6 (9)		1/8			GH-79206-40		GH-79206-45	
1.2 (35)	29.85 (2)		1/8			GH-79206-50		GH-79206-55	
0.9 (25)	29.85 (2)		1/8			GH-79206-60		GH-79206-65	

†For 50 Hz, multiply free-air capacity x ¾.