

LABOXACT[®] Vacuum System with Control

complete with a corrosion-resistant LABOPORT[®] pump

LABOXACT[®] vacuum systems give you control over your evaporative process.

for use with Rotary Evaporators, Vacuum Ovens, Vacuum Concentrators



The **LABOXACT[®]** vacuum system is setting standards in the laboratory because it enables exceptionally high recovery rates of even low-boiling solvents, is extremely easy to operate and permits reliable control of the evaporation process at all times.

In the past it was common practice for laboratories to meet their vacuum requirements by drawing on house vacuum systems or generating their vacuum with water jet pumps. In more recent years these traditional methods were surpassed by vacuum systems based on stand-alone diaphragm pumps - a success story owed to their high flexibility and low operating cost of these systems.

LABOXACT[®] enables exceptionally high recovery rates of even low-boiling-point solvents and it is also extremely easy to operate. The result is reliable control of the evaporation process at all times. The system performs all the functions required for an effective evaporation process, yet is remarkably low in price.

Independent operation - House vacuum systems are less than optimal for many applications. Specimens in rotary evaporators are often the result of painstaking processes, particularly with scientific research projects. Undershooting of the boiling pressure during the evaporation process - due to high flow velocities in a house system or malfunction of the house vacuum controller - can destroy days or even weeks of work in an instant.

User friendly features - LABOXACT[®] system vacuum is not regulated like house vacuum by way of a controller with a solenoid valve, but manually by the user using a fine adjustment valve in a closed system configuration. The instant purge and vent functions prevent foaming and boiling, venting the system quickly with the pull of a knob. A connection is available for purging with other gases. Push-on hose barbs connect up easily; no special wrenches are needed.

Reliable operation - LABOXACT[®] is designed for virtually maintenance-free operation. It is integrated with a dry, oil-free LABOPORT[®] vacuum pump for a convenient, easily transportable vacuum system. KNF's LABOPORT[®] pumps are built tough, with heads made of solid Teflon[®] resin, a patented structured diaphragm, plus exclusive multi-port Kalrez[®] valves for high flow and deep vacuum. They will provide you with years of trouble-free performance. Other LABOPORT[®] pumps are available to 1.5 Torr end vacuum and flow capacities to 60 L/min.

LABOXACT[®] System Specifications:

Hose Connector:	3/8 in. hose barbs
Display Units:	mbar
Range:	1 - 1200 mbar
Power Requirements:	115 VAC 60 Hz 230VAC 50 Hz avail.

LABOXACT[®] System Ordering Information:

Model	Pump	Flowrate	End Vac.	Max Pres.	List Price
USEM820	N820FTP	20 L/min.	75 Torr	15 psig	\$2,395.
USEM840	N840FTP	34 L/min.	75 Torr	15 psig	2,795.
USEM820.0	N820.3FTP	20 L/min.	6 Torr	15 psig	2,805.
USEM840.0	N840.3FTP	34 L/min.	6 Torr	15 psig	3,460.
USEM842.0	N842.3FTP	34 L/min.	1.5 Torr	15 psig	4,730.

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first class pumps for first class science

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