



# INDUSTRIAL VACUUM CHAMBER GROUP

CHAMBERS FOR OPTIMAL VACUUM SYSTEM PERFORMANCE.



Building a great vacuum system begins with selecting the right chamber. With an expansive stock of standard chamber designs and custom options and accessories, our application engineers have the expertise and resources to design, build, and offer ongoing support to your vacuum system. Whether you require a standard chamber or a complete vacuum system, our selection and service is unmatched in the industry.



TO ORDER:  
1.800.465.1004  
801.486.1004  
Fax: 801.486.1007  
info@lacotech.com

## APPLICATIONS

VACUUM  
DEGASSING

VACUUM DRYING

ATMOSPHERIC  
SIMULATION

VACUUM  
IMPREGNATION

VACUUM  
ENCAPSULATION

VACUUM STORAGE

PRODUCT TESTING

VACUUM SEALING

VACUUM METAL  
AND JOINING

LEAK TESTING

LAB APPLICATIONS

## SERIES VI

Ideal for vacuum degassing, our Series VI vertical cylindrical vacuum chambers feature stainless steel or aluminum chamber, acrylic lid, and three standard ports. Rated to 0.5 torr. Standard diameters from 6" to 24"



## SERIES VC

Series VC chambers are constructed from durable clear acrylic and are ideal for applications requiring a full view. Rated to 1 torr (29.9 inHg). Standard diameters from 8" to 12".



## SERIES HI

These horizontal chambers feature a stainless steel body, acrylic hinged door, three standard ports, and offer an economical alternative to high vacuum chambers. Rated to 0.5 torr. Standard diameters range from 12" to 30".



## SERIES CI

With a large amount of usable chamber space, these all-aluminum cube chambers are ideal for applications requiring shelves or large batch vacuum testing or processing. Rated to  $10^{-3}$  torr. Available in 20" x 20" and 30" x 30".



AVAILABILITY ON MANY STANDARD CHAMBERS IS LESS THAN ONE WEEK.  
CONTACT OUR APPLICATION ENGINEERS TO DISCUSS WHICH CHAMBER IS RIGHT FOR YOUR APPLICATION.

# INDUSTRIAL VACUUM CHAMBER GROUP

## INDUSTRIAL VACUUM CHAMBER STANDARD FEATURES

SERIES	PART NUMBER	VACUUM LEVEL	SIZE	MATERIAL		CONFIGURATION	PORTS		
				CHAMBER	LID/DOOR		VACUUM	VENT	GAUGE
SERIES VI	LVC0609FP50-VI	0.5 torr	5.76"IDx9"H	stainless steel	acrylic	vertical cylindrical	½" NPT with 3/8" hose barb	¼"	¼" NPT w/gauge
	LVC0810FP50-VI	0.5 torr	7.76"IDx10"H	stainless steel	acrylic	vertical cylindrical	½" NPT with 3/8" hose barb	¼"	¼" NPT w/gauge
	LVC1012FP75-VI	0.5 torr	9.5"IDx12"H	stainless steel	acrylic	vertical cylindrical	NW25 with ½" hose adapt.	½"	¼" NPT w/gauge
	LVC1212FP75-VI	0.5 torr	11.5"IDx12"H	stainless steel	acrylic	vertical cylindrical	NW25 with ½" hose adapt.	½"	¼" NPT w/gauge
	LVC1218FP75-VI	0.5 torr	11.5"IDx18"H	stainless steel	acrylic	vertical cylindrical	NW25 with ½" hose adapt.	½"	¼" NPT w/gauge
	LVC1218FP75-VIA	0.5 torr	11.5"IDx18"H	aluminum	acrylic	vertical cylindrical	NW25 with ½" hose adapt.	½"	¼" NPT w/gauge
	LVC1812FP75-VI	0.5 torr	17.5"IDx12"H	stainless steel	acrylic	vertical cylindrical	NW25 with ½" hose adapt.	½"	¼" NPT w/gauge
	LVC1820FP75-VI	0.5 torr	17.5"IDx20"H	stainless steel	acrylic	vertical cylindrical	NW25 with 1" hose adaptor	½"	¼" NPT w/gauge
	LVC1820FP75-VIA	0.5 torr	17.5"IDx20"H	aluminum	acrylic	vertical cylindrical	NW25 with 1" hose adapt.	½"	¼" NPT w/gauge
	LVC2416FP75-VI	0.5 torr	23.5"IDx16"H	stainless steel	acrylic	vertical cylindrical	NW25 with 1" hose adapt.	½"	¼" NPT w/gauge
LVC2424FP75-VI	0.5 torr	23.5"IDx24"H	stainless steel	acrylic	vertical cylindrical	NW25 with 1" hose adapt.	½"	¼" NPT w/gauge	
SERIES VC	LVC0812FP50-VC	1 torr	7.5"IDx12"H	acrylic	acrylic	vertical cylindrical	NW25 with ½" hose adapt.	¼"	¼" NPT w/gauge
	LVC1212FP50-VC	1 torr	11.5"IDx12"H	acrylic	acrylic	vertical cylindrical	NW25 with ½" hose adapt.	¼"	¼" NPT w/gauge
	LVC1218FP75-VC	1 torr	11.5"IDx18"H	acrylic	acrylic	vertical cylindrical	NW25 with ½" hose adapt.	¼"	¼" NPT w/gauge
SERIES CI	LVC2020FP75-CI	10 <sup>-3</sup> torr	20"Wx20"H	aluminum	aluminum	cube	NW25 with 1" hose adapt.	½"	¼" NPT w/gauge
	LVC3030FP100-CI	10 <sup>-3</sup> torr	30"Wx30"H	aluminum	aluminum	cube	NW25 with 1" hose adapt.	½"	¼" NPT w/gauge
SERIES HI	LVC1218FP75-HI	0.5 torr	11.5"IDx18"L	stainless steel	acrylic	horizontal cylindrical	NW25 with ½" hose adapt.	½"	¼" NPT w/gauge
	LVC1820FP75-HI	0.5 torr	17.5"IDx12"L	stainless steel	acrylic	horizontal cylindrical	NW25 with 1" hose adapt.	½"	¼" NPT w/gauge
	LVC2430FP100-HI	0.5 torr	17.5"IDx20"L	stainless steel	acrylic	horizontal cylindrical	NW25 with 1½" hose adapt.	¾"	¼" NPT w/gauge
	LVC3036FP100-HI	0.5 torr	17.5"IDx20"L	stainless steel	acrylic	horizontal cylindrical	NW25 with 1½" hose adapt.	¾"	¼" NPT w/gauge

## INDUSTRIAL VACUUM CHAMBER OPTIONS

SIZE	LIDS & DOORS	PORTS	LID/DOOR TYPE	VIEWPORT	SHELVES	SEAL GASKETS
Customize your chamber dimensions to accommodate your application	Select glass (for better optical properties and high temperatures) or stainless steel (for better chemical and temperature resistance)	Add extra ports for feedthroughs and other accessories	Choose a hinged lid option for more convenient operation (VI Series only)	Add a viewport for easier viewing	Select from standard shelf brackets and shelves for more convenience holding small parts	Contact us for seal gasket options

## INDUSTRIAL VACUUM CHAMBER ACCESSORIES

CONTROLLERS	VACUUM PUMPS	VACUUM GAUGES	VALVES	FEED-THROUGHS	CARTS	MIXERS	LIGHTING & HEAT	DEGASSING	TRAPS
Manually control your vacuum level or select a fully automated Vacuum Process Sequence Controller	Select from a wide range of dry and oil-free vacuum pumps	If you need more performance than our standard vacuum gauge select from a range of digital vacuum gauges with and without process control outputs	Select from a range of specialty valves for your vacuum system	Vacuum feedthroughs for mechanical, fluid, temperature, instrumentation, and electrical power applications	Complete your system with a choice of vacuum chamber carts	Our standard mixer accessory is ideal for vacuum degassing in small and medium size chambers	Custom internal lighting or heaters for your vacuum chamber	Save time and money by selecting one of our standard vacuum degassing systems	Our wide range of vacuum traps provide protection to your pumps for a variety of applications.

## INDUSTRIAL VACUUM CHAMBER APPLICATIONS

VACUUM DRYING	ATMOSPHERIC SIMULATION	VACUUM DEGASSING	VACUUM IMPREGNATION	VACUUM ENCAP-SULATION	VACUUM STORAGE	VACUUM SEALING	VACUUM METAL & JOINING	LEAK TESTING	LAB APPLI-CATIONS
Vacuum drying or water and chemical removal	Weather, aircraft, military or product testing applications	Degassing of various epoxies, urethanes, resins, castings, compounds used in jewelry, sculptures, medical, electrical or non metallic components.	Using vacuum to insure a liquid or compound is impregnated into a matrix or part	Used for protecting electrical components with resins.	Desiccator storage to protect parts from atmosphere	Vacuum Sealing and Packaging Tests	Vacuum metal and joining techniques, including brazing and welding	Helium leak detection, vacuum decay chambers, visible liquid leak detection, visible underwater vacuum leak detection	Laboratory or scientific research and experiments