



Dry Scroll Vacuum Pump

DVSL Series



LR104996
(Canadian Standards Association)

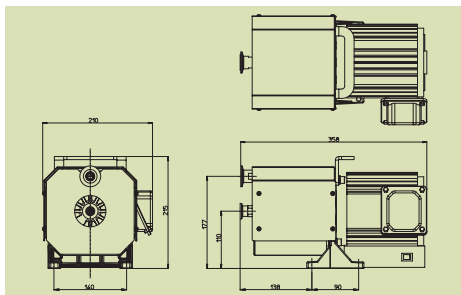


Dry Scroll Vacuum Pump

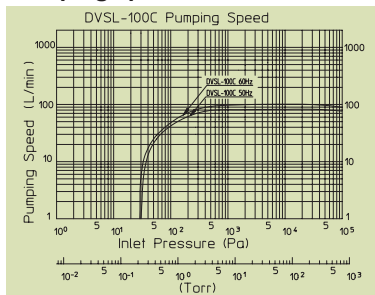


DVSL-100C

Dimensions



Pumping speed



Specifications

Trade name		Oil free scroll vacuum pump
Model		DVSL-100C
Pumping speed	L/min (CFM) 50/60Hz	100/120 (3.5/4.2)
Ultimate pressure	Pa(Torr)	$\leq 50 (3.8 \times 10^{-1})$
Motor power	W	300
Voltage	V	1Ph 3Ph
		100,115,200,230 -
Noise level		65
Noise level (at air-flush)	dB (A)	68
Weight	kg	1Ph 3Ph
		15 -
Water vapor capacity	g/day	100
Air flush	L/min	5
Inlet connection	NW	25(with RC 3/8)
Outlet connection	NW	16
Cooling system		Air-cooled
Ambient temperature	°C / °F	5 ~ 40 / 41 ~ 104
Back-up material		Fluorine rubber

Features

- DVSL scroll pump is equipped with dry vacuum system without using lubricating oil or sealing water.
- No gears result in no need to exchange of gear oil and no risk of leaked lubricating oil.
- Easy – maintenance available.
- Generated clean vacuum keeps installation area clean.
- Equipped cooling system frees from the trouble of controlling cooling water and selecting installation site.
- Excellence in displacing water vapor.
- Reliable Design – Little power variance between atmospheric pressure and the ultimate pressure allows repeated continuous operation between atmospheric pressure and vacuum.
- Standard equipped hour meter enables easy daily operation. Only supplied with DVSL-500C / 501C.
- Excellence in energy-savings in vacuum area. 24 hrs operations secured.

S Dry



Single Phase Motor



Three Phase Motor



RoHS Conformity



CSA Conformity

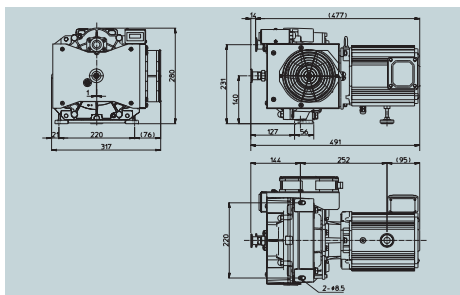


CE Conformity

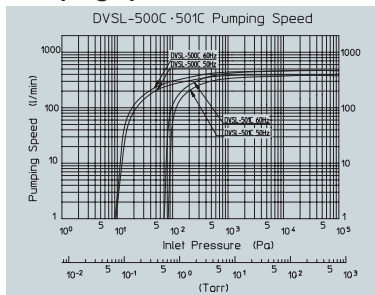


DVSL-500C/501C

Dimensions



Pumping speed



Specifications

Trade name		Oil free scroll vacuum pump	
Model		DVSL-500C	DVSL-501C
Pumping speed	L/min (CFM) 50/60Hz	430/520 (15.2/18.4)	
Ultimate pressure	Pa(Torr)	$\leq 30(2.3 \times 10^{-1})$	$\leq 100(7.5 \times 10^{-1})$
Motor power	W	900/1100	
Voltage	V	-	
	1Ph 3Ph	200,208,230,380,415,400,460	
Noise level	dB (A)	64	
Noise level (at air-flush)	dB (A)	69	
Weight	kg	-	
	1Ph 3Ph	36	
Water vapor capacity	g/day	250	
Air flush	L/min	10	
Inlet connection	NW	25(with RC 1/2)	
Outlet connection	NW	25	
Cooling system		Air-cooled	
Ambient temperature	°C / °F	5 ~ 40 / 41 ~ 104	
Back-up material		Silicon rubber	Fluorine rubber

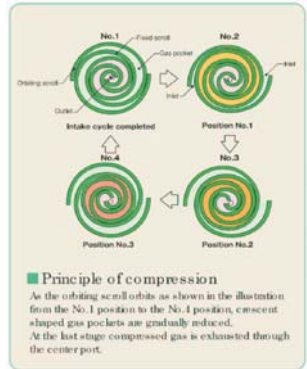
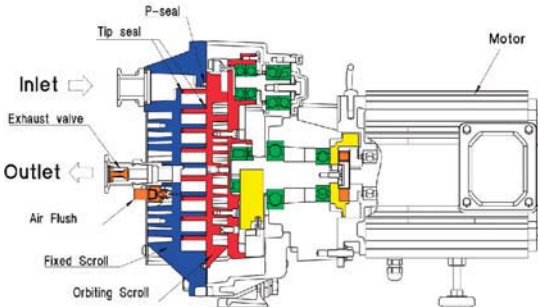
Applications

- Vacuum Chuck
- Vacuum Transport
- Vacuum Forming
- Deaerator
- Gas Substitution
- Vacuum Drying
- Vacuum Packing
- Cryopump Regeneration
- Leak Test
- Roughing for TMP

Air Flush

Purpose for Air Flush - Pumping humid gas with a vacuum pump can cause condensed moisture to remain in the pump. This remaining moisture can cause a failure to the pump or ultimate pressure. The Air Flush operation is necessary to remove remaining moisture. The Air Flush operation not only removes the remaining moisture but recovers ultimate pressure.

DVSL-500C / 501C



! Precaution on Usage

- This vacuum pump is suitable for use on **Clean processes only**.
- Do not use explosive, flammable, toxic or corrosive substances or substances which contain chemicals, solvents or particles.
- ANEST IWATA will not perform maintenance work on pumps which have used hazardous substances.
- Do not disassemble, reassemble or alter pump and parts on user's side.
- Be sure to read instruction manual and understand it fully before use.
- When maintenance interval has been reached, be sure to contact our distributor who sold it to you.
- The guarantee period is based on instruction manual. Maintenance interval and the guarantee period are different.

! Danger of explosion and fire

- Install in an area which is not exposed to explosives, flammable gas, or other related things.
- Pumps which are shown in this catalog do not have breaker for avoiding motor burnout by installing. Avoid motor burnout using breaker.
- Electric source cord is not included in the pump. Use electric source cord which is instructed by instruction manual.
- This vacuum pump is required maintenance by interval which is shown on the instruction manual.
- Install the pump where it has enough ventilation and available maintenance.

distributed by:

Try to Dry

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