

New "Super DRY" scrolling in!!

S Dry

DVSL-500C/501C  
Dry Scroll Pump

Continuous operation near atmosphere

High tolerance to water vapor

Strong

Smart

Clean vacuum without any oil

Global usage with multiple voltage motor

New DVSL-501C with fluoro rubber

Space-saving & Easy-installation  
without water usage by air cooling

Silent

Scroll

Low noise enabling various installation

Compliant to CE, CSA &amp; RoHS



Vacuum Chuck

Gas Substitution

Vacuum Forming

Leak Test

Deaerator

Roughing for TMP

Dry Scroll in  
"Special" standard.

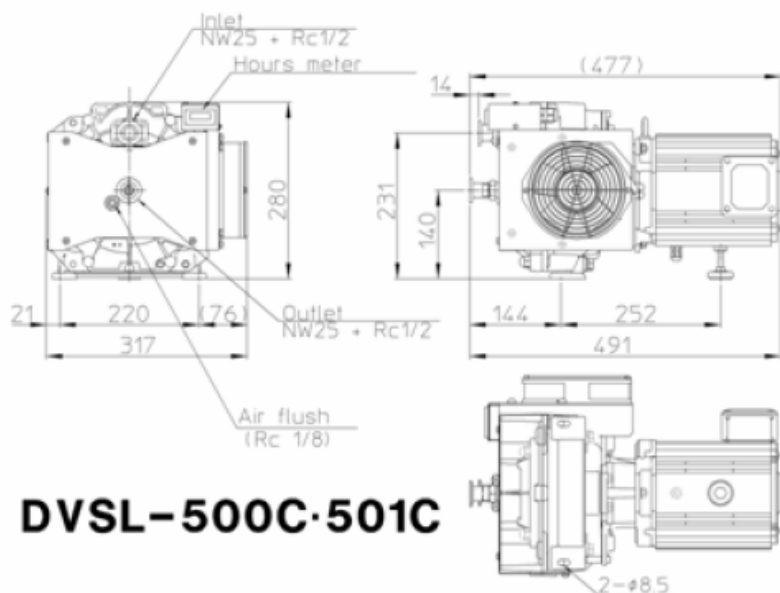
Hardy Dry Scroll pump.

- 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.
- Excellence in energy-savings in vacuum area. 24 hrs operation secured.

Product	Oil-free Scroll Vacuum Pump	
Model	DVSL-500C	DVSL-501C ( Fluoro rubber seal )
Displacement	430L/min (50Hz), 520 L/min (60Hz)	
Ultimate pressure	30Pa	100Pa
Motor power	1.1kW	
Voltage	Three phase 200/208/230/380/400/415/460V	
Cooling system	Air cooling	
Noise level	≤64dB(A) (at Air Flush≤69dB(A) )	
Weight	36kg	
Dimensions	L491mm x W317mm x H280mm	
Connection	Inlet NW25[Rc1/2]	Outlet NW25
Standard equipment	Air Flush, Hour meter	
Option	Water separator & silencer	

※Model, specification and photos are subject to change without notice.

## Dimension

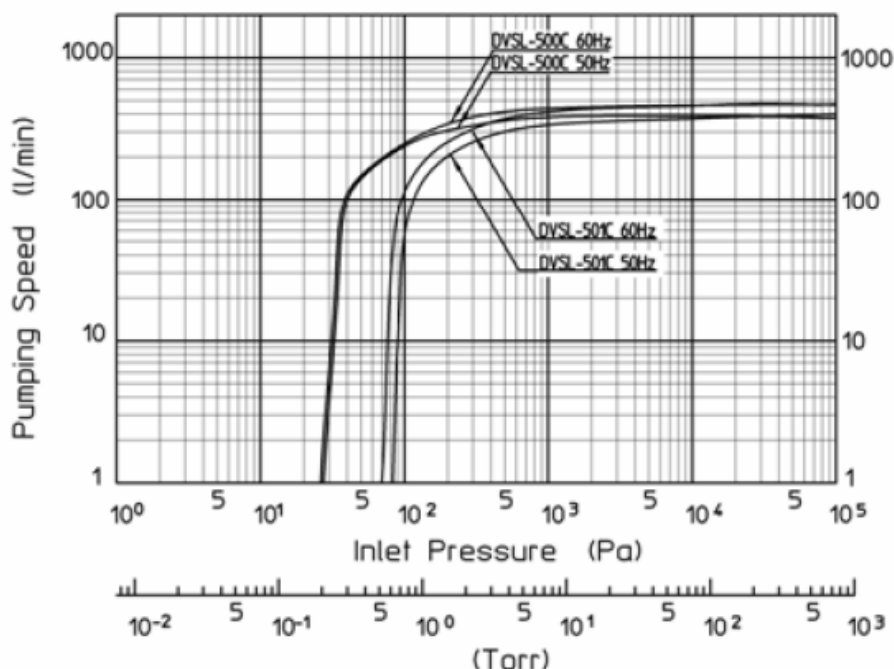


**DVSL-500C-501C**

## Applications

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

## Pumping Speed



### ■ Air Flush

Pumping water or displacing humid gas with vacuum pump can result in remaining condensed moisture inside the pump. This remaining moisture can cause failure to ultimate pressure or malfunction. Air Flush operation is necessary to discharge the remaining moisture out of the pump and allows not only pump moisture to be displaced but also ultimate pressure to be recovered.



### Precaution on Usage

- This vacuum pump is suitable for clean processes only.
- Do not use hazardous, explosive, flammable, toxic or corrosive gases and chemicals, solvents or particles.
- ANEST IWATA will not conduct maintenance work on pumps used for displacing hazardous substances.
- Do not disassemble, reassemble or alter pump and parts on user's side.
- Be sure to read instruction manual and fully understand it before operation
- Regular maintenance is required.
- The guarantee period is based on instruction manual. Standards of regular maintenance and guarantee period are different.
- Be sure to contact with ANEST IWATA Corporation before exporting pumps shown on this catalogue to overseas.

### Caution for Installation

- Please install scroll pumps in an area not exposed to explosives, combustible or flammable gases.
- Pump is not equipped with a breaker for avoiding motor burnout by installing. Please use breaker to prevent motor from burning out.
- Electric source cord is not included in a product. Please use electric source cord conformed to specification in instruction manual.
- Regular maintenance is required for a scroll pump. Please install a scroll pump on the place with enough ventilation and easy-maintenance available.

### ■ More Info

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**ANEST IWATA Corporation**