

Lafil 300C

Lafil 300C - VF 12

Vacuum Filtration System

Important Notice

- Please read this entire manual before unpacking, setting up, or operating the instrument.
- Please dispose of the packing materials in compliance with your local environmental protection policy.
- Make sure the voltage and frequency of power source are corresponding with rated input voltage.
- Please operate this instrument on a flat surface and well-ventilated circumstance, and keep away from any flammable material.
- Always switch on the instrument after releasing vacuum to zero.
- Please clean and maintain the instrument every single use according to the maintenance part.
- For more detailed information, please refer to the latest catalog and Rocker website.

Unpacking

Please check if the package is complete without any damage before unpacking. When unpacking the instrument, please make sure the instrument model and you have all accessories that indicated on the list. If there is any problem, please keep the serial number along with packing case and contact your local distributor immediately.

Item	Assembly
1	Lafil 300C oil free vacuum pump
2	Power Cord
3	Lafil 300C Instruction Manual



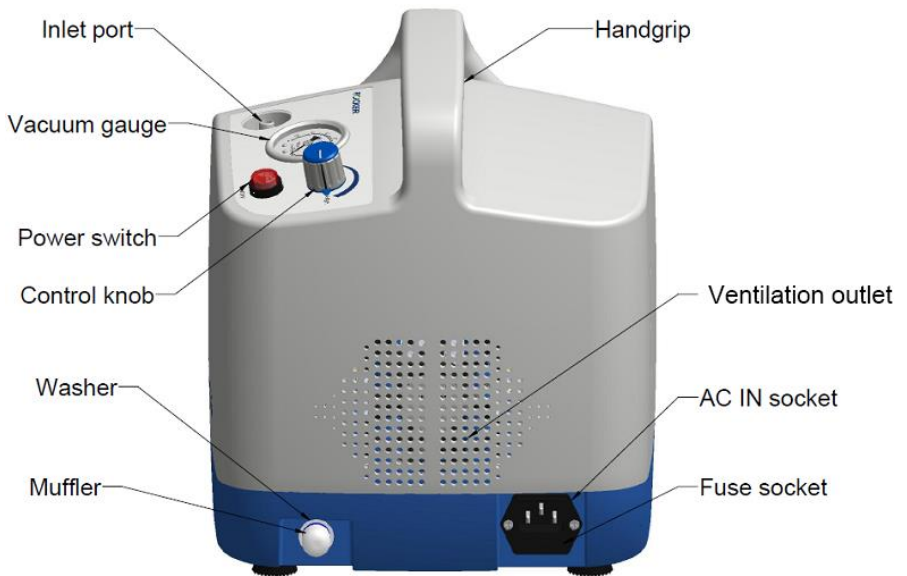
Item	Assembly
1	Lafil 300C oil free vacuum pump
2	VF 12 Filtration Set
3	Silicone Fixing Sucker
4	Silicone Tube
5	Power Cord
6	Lafil 300C Instruction Manual



Introduction for Operation Panel



Lafil 300C Composition



Assembling and Operation Procedure - Lafil 300C – VF 12

Assemble VF12 Filtration Set



VF12 filtration set

Combination of Lafil 300C-VF12
Vacuum Filtration System



Pour liquid solution into funnel



Switch on the power/ Adjust vacuum button to start filtration



Maintenance

1. Glass funnel, support base, filtration adaptor and storage bottle are made of heat resistant material. Please rinse with water and wipe clean with dry rag after every single use. Autoclave is available.
2. Silicon tube is made of heat-resistant material; please rinse it with water and followed by autoclave to preserve it.
3. The autoclave procedure for 30 minutes at 121°C is recommended.
4. Lafil 300C has a built-in oil free pump, and there are no scheduled maintenance requirements for this instrument. Please switch off the instrument and clean the aqua storage tank with dry rag after every use.
5. Muffler and silicone tube are consumable. Please do regular inspection and replace those accessories to make sure the flow rate is not affected.
6. Replace a spare fuse, 4A fuse for 110V and 1.5A fuse for 220V, in fuse holder if necessary.

Troubleshooting

Problems	Reasons and Solution
Instrument fails to start	<p>Check if the power source is corresponding with rated input voltage</p> <p>Fuse blew → Replace a spare fuse</p> <p>Check if the power switch is in ON position.</p> <p>Vacuum still exists in system → Release vacuum and restart instrument.</p> <p>Defective switch → Contact technical support</p> <p>Internal part failure or loose → Contact technical support</p>
Vacuum fails to adjust	<p>Faulty vacuum gauge → Contact technical support</p> <p>Loose regulator → Tighten regulator by yourself or contact technical support</p> <p>Faulty regulator → Contact technical support</p> <p>Internal part failure or loose → Contact technical support</p>
Instrument shows a reduced vacuum	<p>Regulate vacuum to appropriate level</p> <p>Check if the muffler is clogged</p> <p>Air leak → Contact technical support</p>
Low filtration speed	<p>Check if the vacuum setting is proper or not</p> <p>Check if the tubing and connected accessories are air tightness</p> <p>Check if the waste bottle is overflowing</p> <p>Check if the specification of membrane filter is correct</p>

Ordering Information

197330-11/22	Lafil 300C Oil Free Vacuum Pump , AC110V / AC220V
197331-11/22	Lafil 300C - VF12, Vacuum Filtration System, AC110V / AC220V
197400-47	Ring Adaptor
167200-12	VF12 Glass Filtration Set
197000-65	Filtration Adaptor
167120-31	Glass Filter Holder 300ml for VF6
167210-03	Glass Funnel 300ml, 47mm for VF3/VF6/VF7
167240-01	Anodized Aluminum clamp
167230-03	47mm Glass Support Base (Including No.8 Silicone Stopper)
167110-16-1	No.8 Silicone Stopper (for Glass Support Base)
197000-59	Storage Bottle
197000-66	PTFE Gasket for Filtration Adaptor