

## SC500-S3V-V120 Claw Medical Vacuum System

System is NFPA compliant and has modular construction and interconnecting piping.

### PUMP MODULE

Oil-less rotary claw air cooled vacuum pump with NEMA motor. Each pump module is equipped with an inlet filter, check valve, pump isolation valve, internal discharge silencer, and temperature switch.

### SYSTEM CONTROLS

The UL listed soft start electrical control panel features a high-definition color touch screen that can be set up externally without the use of toggle switches. The panel displays multiple conditions, including pump running status, elapsed hours, vacuum level, and audio/visual alarms.

Standard features include lag alarm, automatic pump alternation, adjustable minimum run timer, adjustable vacuum settings, adjustable screen brightness, alarm history registry, and data logging. The panel has standard dry contacts and Modbus interface with building management systems. Ethernet and BACnet are available as options. The panel's maintenance menu includes service items and maintenance warnings, and it is programmed for both English and Spanish languages.

### VACUUM RECEIVER

Constructed to ASME standards and rated for full vacuum. Equipped with valved bypass, high visibility vacuum gauge, source isolation valve, and a manual drain valve. Mounting pads and flex connectors supplied for field installation.

### KEY OPTIONS

Variable Speed Drive Electrical Panel  
O2 Assured Oil for gearbox  
Configurable for Lab or Industrial Applications  
Gas Purge System for Lab use

<b>Configuration</b>	Triplex Stack Mount
<b>System Capacity*</b>	78 SCFM @ 19" Hg. 60 Hz. 65 SCFM @ 19" Hg. 50 Hz.
<b>Horsepower (Each Pump)</b>	5 HP
<b>Horsepower (Total System)</b>	15 HP
<b>Available Voltage</b>	208/230/460 v. 3 phase 60 Hz. 380 v. 3 phase 50 Hz. Contact Factory for other voltages
<b>Full Load Amps 3 ph.</b>	208 volts: 52.5 230 volts: 47.8 380 volts: 28.8 460 volts: 24
<b>Tank Size</b>	120 gallon vertical
<b>Medical Filter Bank (option)</b>	BOM-MED FB-2



Click here for pump specifications and industry-leading parts support.

\*System capacity is stated with one pump in reserve per NFPA. Capacity based on operation at sea level. For higher altitude, contact factory for adjusted capacity.

SYSTEM LISTED ARE 460V. IF ANOTHER VOLTAGE IS REQUIRED, USE THE FOLLOWING PART NUMBERS.			
VOLTAGE	SYSTEM P/N	PUMP MODULE P/N	MOTOR OVERLOAD PROTECTION
208-60-3	SC500-208-53V-V120	100-0131	214529
230-60-3	SC500-230-53V-V120	100-0131	214529
380-50-3	SC500-380-53V-V120	100-0131	214523

Technical drawing of the Vacuum Pump Module. The drawing shows a side view of the unit with dimensions: 70" APPROX. for the width and 52" APPROX. for the height. The unit consists of a large cylindrical chamber on the left and a rectangular module on the right. A label points to the rectangular module with the text "VACUUM PUMP MODULE".

VACUUM AIR RECEIVER

VACUUM INLET FILTER

95" APPROX.

24" 4" 24" 4"

32" 32"

68"

1-1/2" NPT EXHAUST CONNECTION

2" NPT SYSTEM CONNECTION

37 3/4"

41 1/2"

1 3/4"

A 3D exploded view of the electrical control panel assembly. The assembly includes a large, light blue cylindrical tank mounted on a metal frame. A grey electrical control panel is shown in an exploded position, revealing internal components like a motor and various valves. A label 'ELECTRICAL CONTROL PANEL' with a leader line points to the panel. The entire unit is mounted on a base with four feet.

Q1	N/A	INITIAL RELEASE	11/06/2012	P.1
Q2	N/A	RECEIVED BY	11/06/2012	P.2
Q3		Q4	Q5	Q6
Q7		Q8	Q9	Q10
Q11		Q12	Q13	Q14
Q15		Q16	Q17	Q18
Q19		Q20	Q21	Q22
Q23		Q24	Q25	Q26
Q27		Q28	Q29	Q30
Q31		Q32	Q33	Q34
Q35		Q36	Q37	Q38
Q39		Q40	Q41	Q42
Q43		Q44	Q45	Q46
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Q51		Q52	Q53	Q54
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Q59		Q60	Q61	Q62
Q63		Q64	Q65	Q66
Q67		Q68	Q69	Q70
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Q103		Q104	Q105	Q106
Q107		Q108	Q109	Q110
Q111		Q112	Q113	Q114
Q115		Q116	Q117	Q118
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Q323		Q324	Q325	Q326
Q327		Q328	Q329	Q330

