

SC500-S2-H60 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

Configuration	Duplex Stack Mount
System Capacity*	39 SCFM @ 19" Hg. 60 Hz. 32.5 SCFM @ 19" Hg. 50 Hz.
Horsepower (Each Pump)	5 HP
Horsepower (Total System)	10 HP
Available Voltage	208/230/460 v. 3 phase 60 Hz. 380 v. 3 phase 50 Hz. Contact Factory for other voltages
Full Load Amps 3 ph.	208 volts: 34.6 230 volts: 31.5 380 volts: 19.2 460 volts: 15.8
Tank Size	60 gallon horizontal
Medical Filter Bank (option)	BOM-MED FB-15



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 MODEL NO.	PART NO.	HP EACH	SCHEMATIC @ 1" PIG EACH	SCHEMATIC @ 2" PIG EACH	DESIGN CAPACITY (8" PIG EACH)	RECEIVER SIZE (GALLONS)	PUMP INLET NPT	ESTIMATED SYSTEM WEIGHT (LB)	NOISE LEVEL (dBA)
CS300-572	SC500-460-52-H60	3	39" PIG	23.2" PIG	39"	60	1-1/2"	1000	72

SPACE ALLOWANCE FOR MAINTENANCE - 3 FT. ON ALL SIDES. MORE SPACE IS REQUIRED FOR THE OPENING OF LARGER PANEL DOORS.

TABLE 1
SYSTEM LISTED ARE 460V. IF ANOTHER VOLTAGE IS REQUIRED, USE THE FOLLOWING PART NUMBERS.

VOLTAGE	SYSTEM P/N	PUMP MODULE P/N	MODES OVERLOAD PROTECTION
208-60-3	SC500-208-52-H60	100-0131	214529
230-60-3	SC500-230-52-H60	100-0131	214529
380-60-3	SC500-380-52-H60	100-0131	214523

Labels: APPROX. 48", APPROX. 61", ELECTRICAL CONTROL PANEL, VACUUM AIR RECEIVER, 1-1/2" NPT SYSTEM CONNECTION, 1-1/2" NPT EXHAUST CONNECTION, VACUUM PUMP MODULE, VACUUM INLET FILTERS, APPROX. 90", 24", 4" TYP., 32", 37 3/4", 41 1/2", 1 3/4".

QTY	NEW	REPLACEMENT	INITIAL RELEASE DATE	REV	DATE	BY
1			03/14/22	F.1		
1			03/14/22	F.1		

DESCRIPTION: DRY ROTARY CLAW VACUUM PUMP SYSTEM (CS3) 3 HP DUPLEX STACK MOUNTED

SC500-460-52-H60-5

Labels: APPROX. 25", 13 1/2", 33" APPROX., 22 1/2", 4x Ø 5/16", 39" APPROX., 16", 26", 1-1/2" NPT VACUUM OUTLET CONNECTION, 1-1/2" NPT VACUUM INLET CONNECTION.

ITEM NO.	QTY	PART NUMBER	DESCRIPTION	REF. NOTE
1	2	33399	FILTER INLET MEDICAL VACUUM 1-1/2" NPT	
2	4	24207	1-1/2" NPT BALL VALVE	
3	4	A-12100-1	1.5" Ø NPT NIPPLE	
4	4	A-12100-33	1.5" Ø NPT NIPPLE	
5	4	A-12100-8	1-1/2" NPT CLOSE NIPPLE	
6	2	A-12100-6	1.5" Ø 3" Threaded Tee	
7	4	A-12100-8	1-1/2" NPT ELBOW	
8	4	A-12113-8	ØMØN 1-1/2"	
9	4	A-1405-1	1-1/2" NPT SCH 40 GALV. W/DRIP HOLE (1/16")	
10	1	BASE VERT 16.2	WELDED BASE, MEDICAL FILTER BANK 3" PIPE	

QTY	NEW	REPLACEMENT	INITIAL RELEASE DATE	REV	DATE	BY
1			01/20/21	F.1		
1			01/20/21	F.1		

DESCRIPTION: MEDICAL VACUUM FILTER BANK 1-1/2" NPT CONNECTIONS

BCM-MED FB-15