

SC750-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*	65 SCFM @ 19" Hg. 60 Hz. 54.1 SCFM @ 19" Hg. 50 Hz.
Horsepower (Each Pump)	7.5 HP
Horsepower (Total System)	15 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: 49.6 230 volts: 45.1 380 volts: 27.4 460 volts: 22.6
Tank Size	60 gallon horizontal
Medical Filter Bank (option)	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 MODEL NO.	PART NO.	HP EACH	SC750/AC7M @ 17" Hg EACH	SC750/AC7M @ 25" Hg EACH	DESIGN CAPACITY (BTP Hg EACH)	RECEIVER SIZE (GALLONS)	PUMP INLET NPT	ESTIMATED SYSTEM WEIGHT (LB)	SOOND LEVEL (DBA)
CT508-92	SC750-460-S2-H60	7.5	65/117	28.3/170	45	40	2"	1900	76

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	MODEL OVERLOAD PROTECTION
208-60-3	SC750 208-S2-H60	100-0132	214557
230-60-3	SC750 230-S2-H60	100-0132	214557
380-60-3	SC750 380-S2-H60	100-0132	214528

Labels: 45" APPROX., 61" APPROX., 1-1/2" NPT EXHAUST CONNECTION, 2" NPT SYSTEM CONNECTION, VACUUM AIR RECEIVER, ELECTRICAL CONTROL PANEL, INLET VACUUM FILTERS, VACUUM PUMP MODULE, 103" APPROX., 24", 4", 32", 1 3/4", 37 3/4", 41 1/4"

REV	NO.	DATE	INITIALS	RELEASE	DESCRIPTION
01	1	04/13/22	JL		INITIAL RELEASE

Labels: 28", 13 1/2", 37" APPROX., 22 1/2", 4x Ø 3/16", 41" APPROX., 16", 24", 2" NPT VACUUM OUTLET CONNECTION, 2" NPT VACUUM INLET CONNECTION

REV	NO.	QTY.	PART NUMBER	DESCRIPTION	USE NOTE
1	2	209911			
2	4	34008		2" NPT ISOLATION VALVE	
3	4	A-12102-37		2 1/2" Ø NPT NUTS	
4	8	A-12102-9		2" NPT CLAMP NUTS	
5	2	A-12104-9		2" Threaded Saw	
6	4	A-12102-9		2" NPT ELBOW	
7	4	A-12102-9		2" NPT ELBOW	
8	1			WELDED BASE, MEDICAL FILTER BANK, 2" PPE	

REV	NO.	DATE	INITIALS	RELEASE	DESCRIPTION
01	1	04/13/22	JL		INITIAL RELEASE