



SIMPLEX SPACE SAVER HIGH EFFICIENCY DRY CLAW MEDICAL VACUUM SYSTEMS 2 THROUGH 3 HP

The EMSE CORPORATION space saver simplex vacuum system is a completely packaged NFPA 99 and NEC compliant assembly featuring one high efficiency dry claw vacuum pump, U.L. listed control cabinet, an ASME receiver and all the accessories required to meet and exceed the current code requirements. All components are pre-piped and pre-wired to single-point service connections. The only field connections are air intake, air discharge and power at the control panel. All interconnecting piping as well as wiring is complete and operationally tested prior to shipment. Liquid tight conduit, fittings and junction boxes are provided for all control and power wiring.

The medical vacuum pump is continuous duty, high efficiency, oil-less, frictionless, compression claw design with an intake filter and exhaust muffler. The vacuum pump is driven by a 3 phase, 60 cycle, TEFC NEMA C-face motor.

The system includes a vacuum receiver of ASME construction rated for 200PSI MWP. The tank is equipped with a vacuum gauge and manual tank drain.

Also included are an inlet check valve, inlet isolation valve, safety relief valve, inlet filter, exhaust muffler, vacuum control switch, inlet and discharge flexible connectors, shut-off cock for gauge and vacuum switch.

The system includes a UL listed control panel in a NEMA 12 enclosure. The panel includes the following standard accessories: externally operable circuit breaker with a door interlock, control circuit transformer with fused primary and secondary coils, H-O-A switch, run light, hour meter, magnetic starter with 3 leg overload protection and reset switch and minimum run timer to prevent short cycle operation. All control circuit components are plug-in type for quick and easy replacement without re-wiring and a system shutdown.

The field adjustable vacuum switch is pre-set to operate the vacuum pump between 18" Hg and 23" Hg.

The Medical Vacuum system and its component parts undergo a complete electric and pneumatic test prior to shipment.

The Medical Vacuum system is guaranteed by the manufacturer for a period of 24 months from the date of start-up or 30 months from the date of shipment (whichever comes first) against defects in design, materials, or construction.

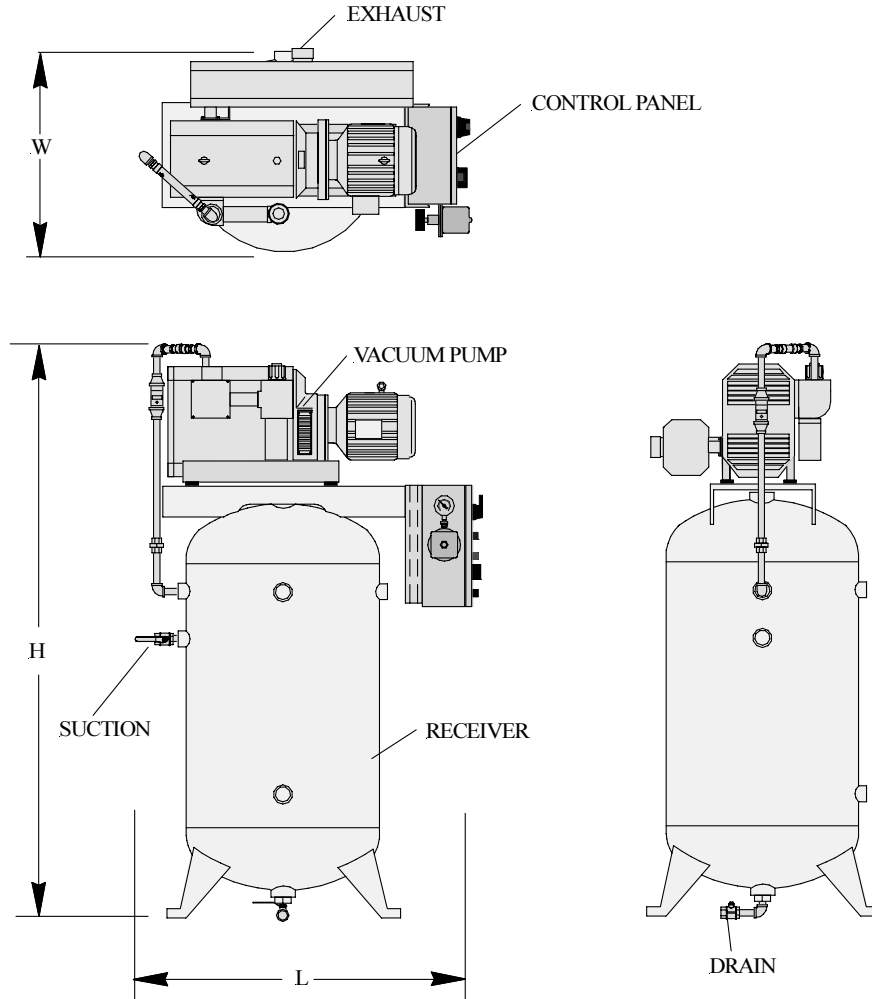


Optional System Accessories

(only checked options will be supplied)

- Rust protection receiver lining
- Galvanized receiver
- High inlet vacuum shut-down
- Thermal malfunction shut-down with manual reset and alarm lights
- External intake filters

**SIMPLEX SPACE SAVER HIGH EFFICIENCY
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 LAYOUT AND PERFORMANCE TABLE**



System Model Number	Horsepower		Capacity SCFM (Each Pump) @19" Hg	Suct. Conn.	Exh. Conn.	Tank (Gal.)	Dimensions, In.			Weight Lbs.
	Each	Total					L	W	H	
1SCR2T80V	2	2	14.8	1-1/2"	1-1/2"	80	44	24	70	485
1SCR3T80V	3	3	22.9	1-1/2"	1-1/2"	80	44	25	72	550

Notes: 1. To convert Free Air Capacity (SCFM) to Expanded Air Capacity (ACFM):
 at 19" Hg multiply SCFM by 2.74
 2. Maximum ambient temperature: 105°F. For higher ambient temperatures consult factory.

Power Requirements:

(One) _____ HP Motors, 3 Phase 60 Hertz 208 v 230 v 460 v