SIMPLEX TANK MOUNTED "SPACE SAVER" DRY ROTARY VANE VACUUM SYSTEMS 1 THROUGH 3 HP

The EMSE CORPORATION tank mounted Medical Vacuum system is a completely packaged NFPA 99 and NEC compliant assembly featuring a dry rotary vane vacuum pump, U.L. listed control cabinet, an ASME receiver and the accessories required to meet and exceed the current code requirements. All components are piped and wired to single-point service connections. The only field connections are air intake, air discharge and power at the control panel. All interconnecting piping and 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 a continuous duty oil-less rotary vane air-cooled type. It is driven by a 3 phase, 60 cycle, TEFC NEMA C-face motor.

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

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

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

Field adjustable vacuum switch is pre-set to operate the vacuum pump between 18" Hg and 23" Hg.
The Vacuum system and its component parts will undergo a complete electric and pneumatic test prior to shipment.

The Vacuum system is guaranteed by the manufacturer for a period of 12 months from the date of start-up or 18 months from the date of shipment (whichever comes first) against defects in design, materials, or construction.

The service of a factory trained representative will be available at the jobsite to check installation, start-up and instruct operating personnel in proper operation and maintenance.

Optional System Accessories

(only checked options will be supplied)

- ☐ Rust protection receiver lining
- ☐ Galvanized receiver

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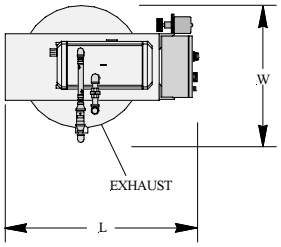
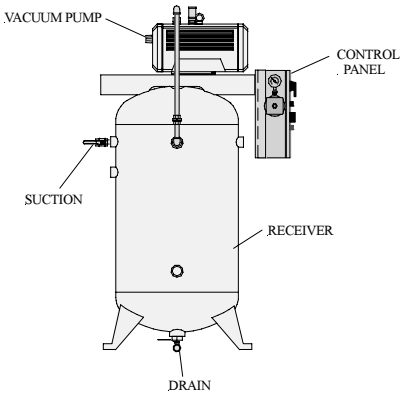
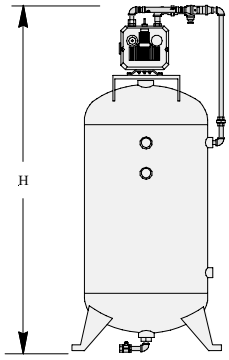
LAYOUT AND PERFORMANCE TABLE







System Model Number	Horsepower Each	Horsepower Total	Capacity SCFM (Each Pump) 19" Hg	Capacity SCFM (Each Pump) 24" Hg	Suct. Conn.	Exh. Conn.	Tank (Gal.)	Dimensions, In. L	Dimensions, In. W	Dimensions, In. H	Weight Lbs.
1SOB1T30V	1.0	1.0	3.0	1.2	1/2"	1/2"	30	31	20	56	210
1SOB1.5T30V	1.5	1.5	4.8	1.6	1/2"	1/2"	30	31	20	56	220
1SOB1.5T80V	1.5	1.5	4.8	1.6	1.2"	1/2"	80	38	26	68	380
1SOB2T30V	2.0	2.0	8.1	2.3	3/4"	3/4"	30	31	20	57	250
1SOB2T80V	2.0	2.0	8.1	2.3	3/4"	3/4"	80	38	26	69	410
1SOB3HT30V	3.0	3.0	12.0	5.4	1"	1"	30	31	20	57	280
1SOB3HT80V	3.0	3.0	12.0	5.4	1"	1"	80	38	26	69	430

Notes: 1. To convert Free Air Capacity (SCFM) to Expanded Air Capacity (ACFM):
at 19" Hg multiply SCFM by 2.74
at 24" Hg multiply SCFM by 5.05
2. Maximum ambient temperature: 105°F. For higher ambient temperatures consult factory.

Power Requirements:

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