

Duplex Dental Vacuum System with VFD drives

Vacuum Package

- Two Regenerative type vacuum producers
- Skid Mounted
- Two motors with individual VFDs
- Duplex control panel
- Vacuum components completely pre-piped and pre-wired to single point service connections (tank piped separately)
- All interconnecting piping and wiring is completed and operationally tested prior to shipment
- Maintenance free unit with
 - no traps to clean
 - no oil to check
- Exceeds NFPA 99C Guidelines
- Separator tank included (80 gallon standard) – must be piped

Vacuum Pump

- Continuous duty rated
- Air-cooled single stage
- Each vacuum has an inline check valve to allow each pump to operate separately or in tandem
- Dry turbine section uses no oil
- Nickel coated turbine section

Vacuum Motor

- NEMA rated – TEFC
- 3600 RPM (2 pole) with 1.15 service factor
- 208 or 230/460V, 3 phase, 60 Hz
- Sealed ball bearings with high temperature grease

Vibration Isolation System

- Vacuum and motor - fully isolated from the package base by means of a four-point, heavy duty, isolation system
- Minimum of 95% isolation efficiency

Separator Tank

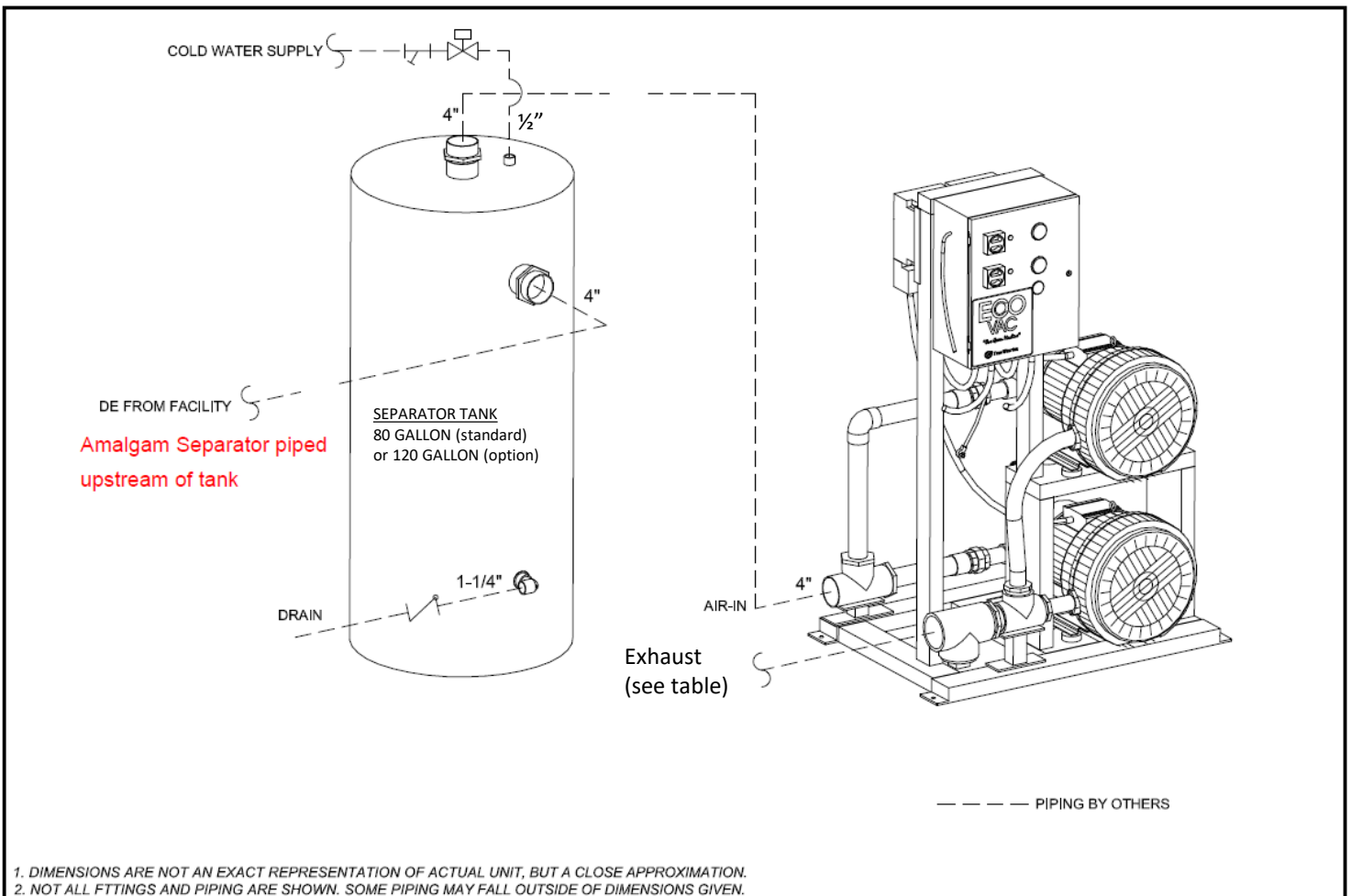
- Separator tank with float protection (80 gallon standard)
- Auto wash down – flushes tank daily for 10 minutes
- Stainless Steel
- Option: Dual Tanks
- Option: Tank Capacity

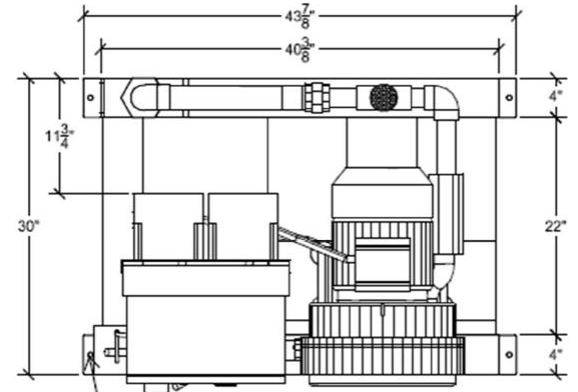
Control System

- Mounted and wired duplex control system
- NEMA 12 control panel
- Automatic lead/lag switching
- Electrical disconnects for each motor
- VFD drives for each motor with vacuum transducers
- 24VAC control circuit transformers for each motor circuit
- Hour meter for each vacuum
- Hand-off-auto selector switches for reliable back-up
- Power ON light
- Running light for each vacuum
- Time clock ON/OFF with override switch

Amalgam Separator

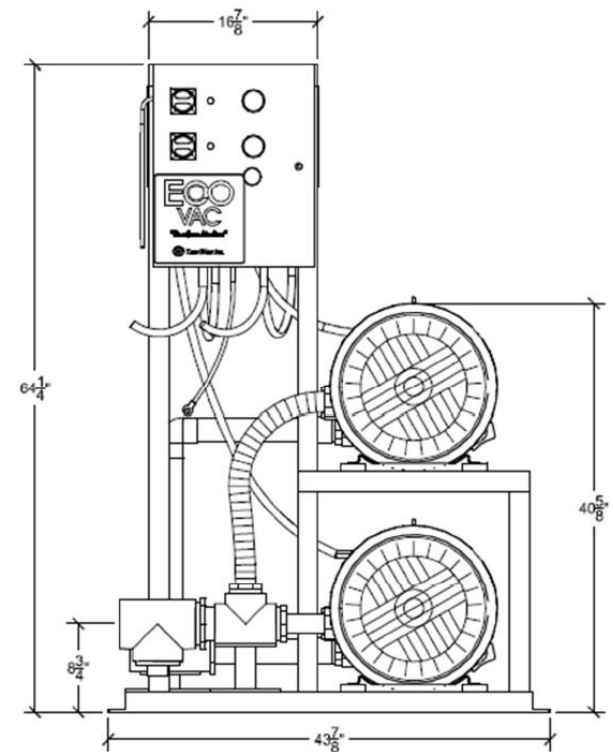
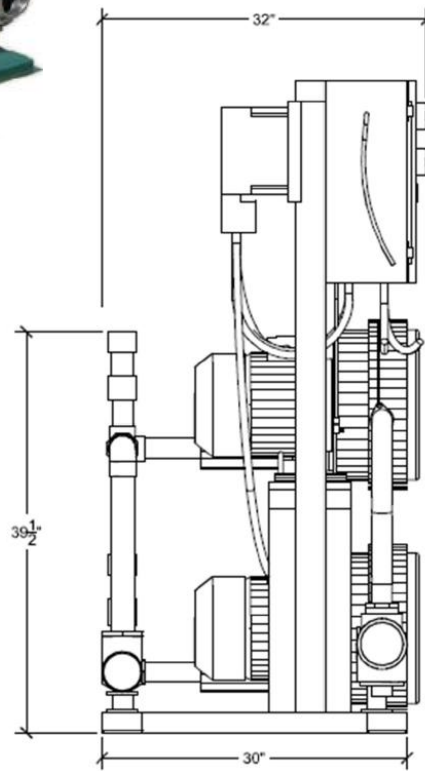
- Required by NFPA 99 2018 (Dental Code)
- Multiple sizes available from Pattons Medical
- Not included under this part number





USE (4) 1/2" CONCRETE WEDGE ANCHORES TO MOUNT TO HOUSEKEEPING PAD TO MEET SEISMIC CODE.

AIR-IN CONNECTION TO TANK



1. DIMENSIONS ARE NOT AN EXACT REPRESENTATION OF ACTUAL UNIT, BUT A CLOSE APPROXIMATION.
 2. NOT ALL FITTINGS AND PIPING ARE SHOWN. SOME PIPING MAY FALL OUTSIDE OF DIMENSIONS GIVEN.

Duplex Dental Vacuum Package Specifications ¹															
Model Number	HP	USERS	Capacity @8" Hg		Package BTU/HR ³	Noise Level ⁴	System FLA			Dimensions (in)			Exhaust Out (EX)	Weight (lbs.)	
			Pump (SCFM)	System (SCFM)			208V	230V	460V	L	W	H			
85-VPD20D5(A/B/C)	10	20	150	300	27,000	73	26	25	12.5	34	42	65	4"	850	
85-VPD-30D5(A/B/C)	15	30	175	350	41,250	73	38	36	18	34	42	65	4"	850	
85-VPD-40D5(A/B/C)	20	40	225	450	55,000	78	50	48	24	34	44	65	6"	1,120	
85-VPD-60D5(A/B/C)	30	60	300	600	82,500	78	83	80	40	34	44	65	6"	1,120	
85-VPD-80D5(A/B/C)	40	80	350@9"	700@9"	110,000	78	111	108	58	34	44	65	6"	1,120	
80-gallon Separator										23	23	62		120	
120-gallon Separator										28	28	75		225	

Notes:

¹ Normal Operating conditions at a maximum ambient of 105° F. Consult factory for higher ambient conditions.

Statement of Warranty

Patton's Medical warrants all Medical Air packages, to be free of defects in material and workmanship under normal use for a period not to exceed thirty (30) months from date of shipment, or twenty-four (24) months from date of start-up.