



Vacuum Pumps & Systems
A DIVISION of AIR ENERGY, LLC

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Triplex Stack Mount Oil-free Rotary Claw Medical Vacuum System with NFPA PLC Control

- Three Oil-free Rotary Vacuum Pumps mounted on a fabricated frame with an Epoxy Lined vertical receiver and a mounted and wired NFPA compliant PLC Control Panel
- Inlet Filter mounted on each pump
- High Discharge Temp Switch on each pump
- No Oil in pumping chamber only in Gear Box
- Epoxy Lined Vertical Receiver with System Isolation Valve, Sight Glass, Manual Drain Valve and Three-Valve By-Pass
- Duplex PLC Control Panel with all NFPA alarms
- System is built as two skids bolted together with single point connections for process inlet, system discharge and system control power.

Triplex NFPA PLC Control Panel Including the Following:

- Finger Safe Power Distribution Block
- Full Voltage Motor Starter for Each Pump
- Dual 120V Control Transformer with CB protected Primary and Secondary Circuits
- Dual 120Vac/24Vdc Power Supply
- PLC w/integrated HMI with Touch Screen & Keypad
- Door Mounted Motor Circuit Protector for Each Pump
- Auto Restart after Power Outage
- 4-20mA Transmitter to Control Pumps via PLC
- H/O/A Switch, Run Light, Hour Meter integrated in PLC
- Door Mounted Disconnect
- Dry Contacts for Remote Monitoring
- PLC By-pass allows Pump Operation with MCPs
- System Fault Indicator display on PLC
- UL 508 Listed, NEMA 12 Enclosure
- Maintenance Due Screen display on PLC
- System Parameters selection via PLC
- Panels with VSD also available



MODEL NUMBER	HP	CAPACITY PUMP/SYS	MAXIMUM VACUUM	CAPACITY @ 19" Hg		VERTICAL RECEIVER Other tank sizes available
				ACFM	SCFM	
GPVBT-1104-N-120	2	44/88	28.4"Hg	78	29	120 GALLON
GPVBT-1144-N-120	3	57/114	28.4"Hg	108	40	120 GALLON
GPVBT-1102-N-120	4	79/158	28.4"Hg	146	54	120 GALLON
GPVBT-1142-N-120	5	103/206	28.4"Hg	204	75	120 GALLON
GPVBT-1202-N-200	6.4	135/270	27"Hg	264	97	200 GALLON
GPVBT-1252-N-200	7.5	165/330	27"Hg	324	119	200 GALLON
GPVBT-1322-M-200	9	200/400	25.5"Hg	390	143	200 GALLON
GPVBT-1502-N-240	15	325/650	24"Hg	630	231	240 GALLON