



**Vacuum Pumps & Systems**  
**A DIVISION of AIR ENERGY, LLC**

6 Norfolk Avenue, South Easton, MA 02375

Ph: (508) 230-9445, Fax: (508) 230-9446

Website: [www.globalvac.com](http://www.globalvac.com)



**Triplex Stack Mount Oil-free Rotary  
 Claw Laboratory Vacuum System  
 with PLC Control Panel**

- Three Oil-free Rotary Claw Vacuum Pumps mounted on a fabricated frame with an Epoxy Lined vertical receiver and a mounted and wired 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
  - Electrically actuated Automatic Purge process for removing condensable vapors in pumping chamber as pump cools
  - Epoxy Lined Vertical Receiver with System Isolation Valve, Sight Glass and Manual Drain Valve
  - Triplex PLC Control Panel
  - System is built as two skids bolted together with single point connections for process inlet, system discharge and control power.
- Note: GPVBT-1502-P-240 built as three skids bolted together*

**Triplex PLC Control Panel Including the Following:**

- Finger Safe Power Distribution Block
- Full Voltage Motor Starter for Each Pump
- 120V Control Transformer with CB protected Primary and Secondary Circuits
- 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 System 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/SYSTEM	MAXIMUM VACUUM	CAPACITY @ 19" Hg		VERTICAL RECEIVER Other tank sizes available
				ACFM	SCFM	
GPVBT-1104-P-120	2	44/132	28.4"Hg	117	43	120 GALLON
GPVBT-1144-P-120	3	57/171	28.4"Hg	162	59	120 GALLON
GPVBT-1102-P-120	4	79/237	28.4"Hg	219	80	120 GALLON
GPVBT-1142-P-120	5	103/309	28.4"Hg	306	112	120 GALLON
GPVBT-1202-P-200	6.4	135/405	27"Hg	396	145	200 GALLON
GPVBT-1252-P-200	7.5	165/495	27"Hg	486	178	200 GALLON
GPVBT-1322-P-200	9	200/600	25.5"Hg	585	215	200 GALLON
GPVBT-1502-P-240	15	325/975	24"Hg	945	346	240 GALLON