

NFPA 99 Compliant Triplex "Oil-Less" Claw Medical Vacuum Package 15 HP Base Mounted with Single Point Connection

Vacuum Package

- Fully compliant with the latest edition of NFPA 99
- Three oil-less rotary claw type vacuum pumps with inlet filter and isolation valve for each
- Three motors
- ASME coded vacuum receiver with bypass and manual drain
- Triplex control panel with automatic lead/lag controls
- System designed for access through a standard 36" doorway
- All components completely pre-piped and pre-wired to single point service connections
- Liquid tight conduit, fittings and junction boxes for all control and power wiring
- All interconnecting piping and wiring is completed and operationally tested prior to shipment

Vacuum Pump

- Oil-less rotary claw pump
- Direct-driven through a shaft coupling
- Air-cooled
- End (ultimate) vacuum = 23.4" Hg
- Dry-running, with two claw-type, non-contacting rotors
- Sealing fluid not required
- Virtually maintenance-free operation
- Oil change required at approximately 5,000 operating hour intervals in the gearbox only
- Built-in, anti-suck-back valve mounted at the pump inlet and equipped with inlet filter for removal of particulates

Vacuum Motor

- NEMA rated
- C-face
- TEFC
- 3600 RPM, with 1.15 service factor
- 208 or 230/460V 3-phase

Intake Piping

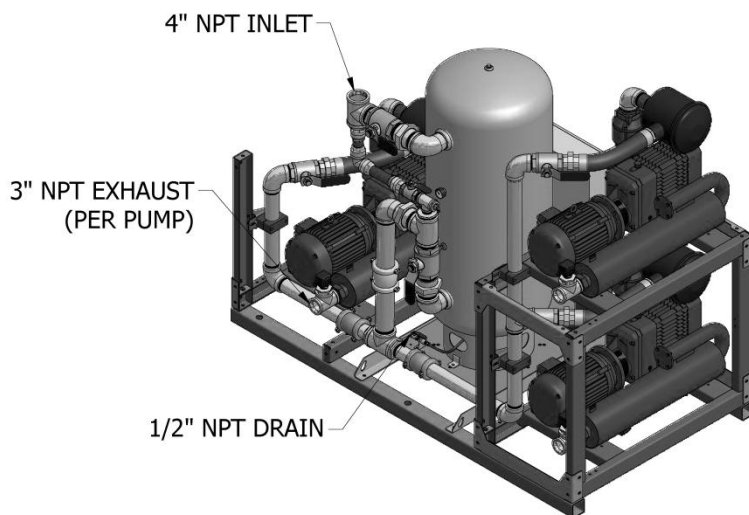
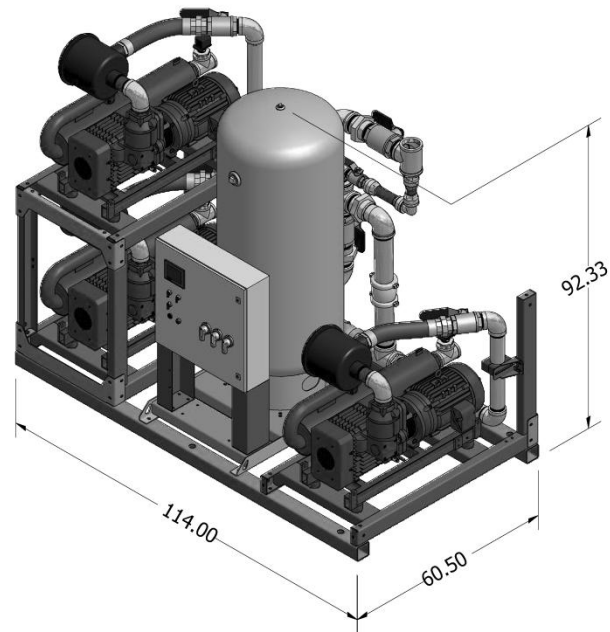
- Vacuum pumps are connected to a common manifold and piped to a vertical receiver
- Inlet check valve on each pump
- Inlet isolation valve on each pump
- Flexible connector between pump and manifold
- Flexible connectors for inlet and discharge and vibration pads included

Vacuum Receiver

- Vertical orientation with integrally mounted bypass and manual drain
- ASME Code stamped
- National Board Certified
- Rated for a minimum 200 PSIG design pressure
- Vacuum gauge
- Manual drain

Control System

- Mounted and wired triplex control system
- NEMA 12 and U.L. labeled
- HMI (Human Machine Interface) – touch screen display
 - + vacuum display
 - + runtime display
 - + alarm history display
 - + troubleshooting guidelines display
 - + maintenance schedule and history display
 - + service indicator
 - + replacement parts display
 - + battery backup for history display
- Automatic lead/lag sequencing
- Circuit breaker disconnects for each motor with external operators
- Full voltage motor starters with overload protection
- 120V control circuit transformers for each motor circuit
- Visual and audible reserve unit alarm with isolated contacts for remote alarm
- Hand-off-auto selector switches
- Automatic alternation of both vacuum pumps based on a first-on/first-off principle with provisions for simultaneous operation if required
- Automatic activation of reserve unit if required
- Visual and audible alarm indication for high discharge temperature shutdown with isolated contacts for remote alarm



Triplex Claw Medical Vacuum Package Specifications ¹										
System Model No.	HP	Capacity @19" Hg ²		Package BTU/HR ³	Receiver Gal. ⁴	Noise Level ⁵	System FLA			Package Weight
		Pump (SCFM)	System (SCFM)				208V	230V	460V	
74-33-154A	15	129	258	76,500	200	87	117			5027
74-33-154B								107		
74-33-154C									54	

Notes:

- ¹ Normal Operating conditions at a maximum ambient of 105° F. Consult factory for higher ambient conditions.
- ² Capacities are shown as NFPA system capacities (reserve vacuum pump on standby).
- ³ Package BTU/HR are shown with the reserve pump on standby.
- ⁴ Receivers of 200 gallon capacity are standard
- ⁵ Noise levels are shown in dB(A) and reflect two pumps running.

Statement of Warranty

Patton's Medical warrants all Medical Vacuum 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.