

NFPA 99 Compliant Duplex "Oil-Less" Rotary Vane Medical Vacuum Package 10 HP Base Mounted with Single Point Connection

Vacuum Package

- Fully compliant with the latest edition of NFPA 99
- Two "oil-less" rotary vane type vacuum pumps with inlet filter and isolation valve for each
- Two motors
- ASME coded vacuum receiver with bypass and manual drain
- Duplex 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

- Becker, dry vane type VT Series pump
- Self-lubricating carbon/graphite vanes
- Direct-driven through a shaft coupling
- Air-cooled
- 2 micron inlet filter
- Vacuum relief valve
- Check valve to prevent backflow through off-cycle units
- Sealing fluid not required
- Vibration isolation

Vacuum Motor

- NEMA rated
- C-face
- ODP
- 1200 RPM, with 1.15 service factor
- 208 or 230/460V 3-phase

Intake Piping

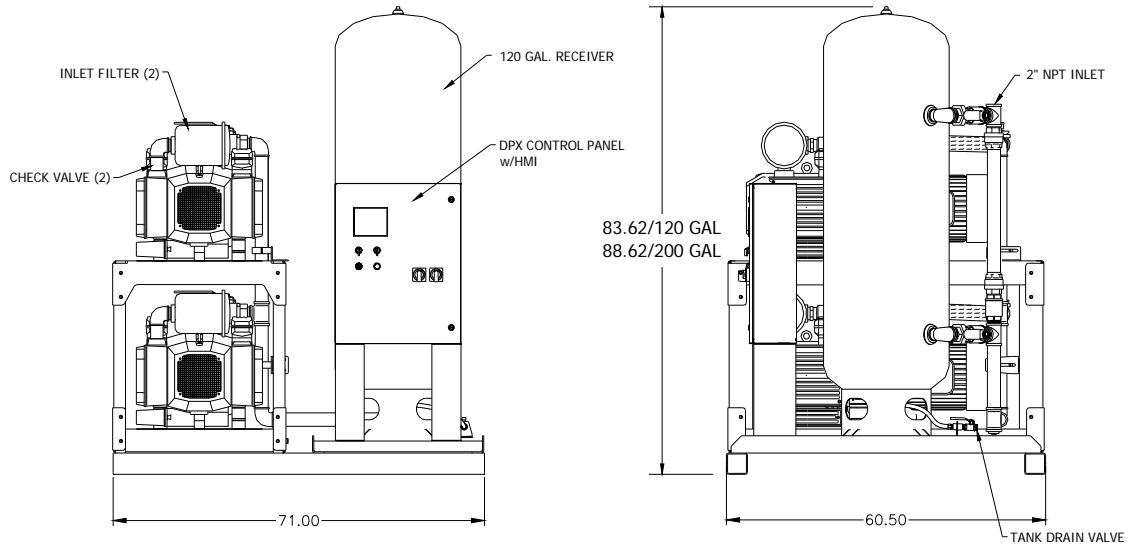
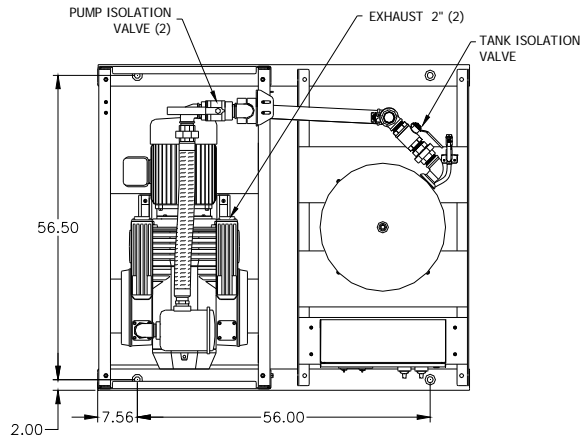
- Vacuum pumps are connected to a common manifold and piped to a vertical receiver
- Inlet check valve on each pump
- Inlet isolation valve on each pump
- Flexible connector between pump and manifold
- Flexible connectors for inlet and discharge and vibration pads included

Vacuum Receiver

- Vertical orientation with integrally mounted bypass and manual drain
- ASME Code stamped
- National Board Certified
- Rated for a minimum 150 PSIG design pressure
- Vacuum gauge
- Manual drain

Control System

- Mounted and wired duplex control system
- NEMA 12 and U.L. labeled
- HMI (Human Machine Interface) – touch screen display
 - + vacuum display
 - + runtime display
 - + alarm history 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



FOR COMPLETE GENERAL ASSEMBLY DIAGRAM (#101-04-090) CONTACT PATTON'S MEDICAL

Duplex Dry Vane Medical Vacuum Package Specifications ¹								
Complete Package Model No.	HP	Capacity @19" Hg ²		Receiver ³	System FLA			Package Weight
		Pump (SCFM)	System (SCFM)		A 208V	B 230V	C 460V	
70-23-103A	10	55	55	120 Gal.	60			1710
70-23-104A				200 Gal.				2420
70-23-103B				120 Gal.	52		1710	
70-23-104B				200 Gal.			2420	
70-23-103C				120 Gal.	26		1710	
70-23-104C				200 Gal.			2420	

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 Standard receivers are 120 gal.

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.