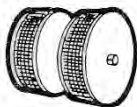


# Suction Pumps/Air Compressors/Accessories

## Medical Vacuum: Accessories for Pumps

### Vacuum Pump Discharge Silencers

- #32-67-25-0101 Silencer - 1"
- #32-67-25-0102 Silencer - 1-1/4"
- #32-67-25-0103 Silencer - 1-1/2"
- #32-67-25-0104 Silencer - 2"
- #32-67-25-0105 Silencer - 2-1/2"
- #32-67-25-0106 Silencer - 3"
- #32-67-25-0107 Silencer - 4"
- #32-67-25-0108 Silencer - 5"
- #32-67-25-0109 Silencer - 6"



### Vibration Pads-Dampers

- #32-67-15-0001
- #32-67-15-0002
- #32-67-15-0003
- #32-67-15-0004



- 2-1/2" x 2-3/4", Max wt. 390 lbs. per dampener, set of 4
- 2-1/2" x 4", Max. wt. 540 lbs. per dampener, set of 4
- 2-1/2" x 2-3/4", Max. wt 785 lbs. per dampener, set of 4
- 2-1/2" x 4", Max wt. 1090 lbs. per dampener, set of 4

### Vacuum Pump Inlet Filters

- #32-67-25-0113 Inlet Filter - 1/2"
- #32-67-25-0014 Inlet Filter - 3/4"
- #32-67-25-0115 Inlet Filter - 1"
- #32-67-25-0116 Inlet Filter - 1-1/4"
- #32-67-25-0117 Inlet Filter - 1-1/2"
- #32-67-25-0118 Inlet Filter - 2"
- #32-67-25-0119 Inlet Filter - 2-1/2"
- #32-67-25-0120 Inlet Filter - 3"
- #32-67-25-0121 Inlet Filter - 4"
- #32-67-25-0122 Inlet Filter - 5"
- #32-67-25-0123 Inlet Filter - 6"

### Flexible Connectors, Vacuum

- #32-67-30-0001
- #32-67-30-0002
- #32-67-30-0003
- #32-67-30-0004
- #32-67-30-0005
- #32-67-30-0006
- #32-67-30-0007
- #32-67-30-0008

- Flexible connector, vacuum, 3/4 inch
- Flexible connector, vacuum, 1 inch
- Flexible connector, vacuum, 1-1/4 inch
- Flexible connector, vacuum, 1-1/2 inch
- Flexible connector, vacuum, 2 inch
- Flexible connector, vacuum, 2-1/2 inch
- Flexible connector, vacuum, 3 inch
- Flexible connector, vacuum, 4 inch

## Medical Air Components: Accessories for Compressors

### Air Compressor Intake Filters - Rooftop

- #32-67-25-0007 Filter/Silencer - 1"
- #32-67-25-0001 Filter/Silencer - 1-1/4"
- #32-67-25-0002 Filter/Silencer - 1-1/2"
- #32-67-25-0003 Filter/Silencer - 2"
- #32-67-25-0004 Filter/Silencer - 2-1/2"
- #32-67-25-0005 Filter/Silencer - 3"
- #32-67-25-0006 Filter/Silencer - 4"
- #32-67-25-0009 Filter/Silencer - 5"



### Spring Isolators

- #32-67-15-0005
- #32-67-15-0006

- Isolator, steel spring with 1/4" sound pad and washer. Max. wt. 1400 lbs. per isolator, set of 4
- Isolator, steel spring with 1/4" sound pad and washer. Max. wt. 2800 lbs. per isolator, set of 4

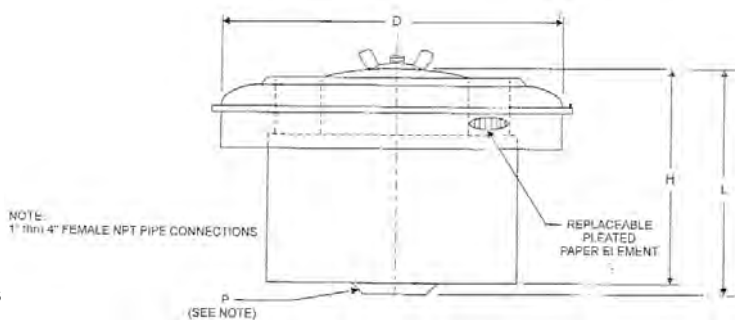
### Air Compressor Intake Filters - In-line

- #32-67-25-0013 Filter/Silencer - 2"
- #32-67-25-0014 Filter/Silencer - 2-1/2"
- #32-67-25-0015 Filter/Silencer - 3"
- #32-67-25-0016 Filter/Silencer - 4"
- #32-67-25-0017 Filter/Silencer - 5"
- #32-67-25-0018 Filter/Silencer - 6"

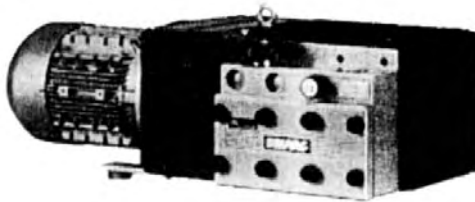
### Flexible Connectors for Medical air

- #32-67-30-0020
- #32-67-30-0021
- #32-67-30-0022
- #32-67-30-0023
- #32-67-30-0024
- #32-67-30-0025
- #32-67-30-0026
- #32-67-30-0027

- Flexible connector, medical air, 3/4 inch
- Flexible connector, medical air, 1 inch
- Flexible connector, medical air, 1-1/4 inch
- Flexible connector, medical air, 1-1/2 inch
- Flexible connector, medical air, 2 inch
- Flexible connector, medical air, 2-1/2 inch
- Flexible connector, medical air, 3 inch
- Flexible connector, medical air, 4 inch



# Suction Pumps/Packaged Oil/Less Rotary Vane



All models operate at 63-83 dBA depending on size. The pumps require no oil or other service liquid for operation.

## Standard System Features

- Complies with NFPA 99 standards.
- Self-lubricating carbon graphite vanes, no oil or other service liquid required.
- Carbon graphite vanes rated for a minimum of 8,000 hours of operation.
- Quiet operation - 63 to 78 dBA depending on pump size.
- Lag pump on alarm with auxiliary contacts for connection to master alarm.
- One inlet piping and one major electrical connection.
- No water required for cooling.
- UL listed controls mounted in NEMA 12 rated cabinet.
- Programmable control cycles lead pump with each use.
- Receiver constructed per ASME standards. Includes manual drain and 3-valve bypass.
- Copper/brass/galvanized pipe and fittings on all vacuum connections.
- Low vibration - no special foundation required.

## Description

The Chemetron Dry Running Rotary Vane Medical Vacuum System provides superior performance with minimal maintenance. The packaged system contains all necessary controls and components to exceed NFPA 99 recommended guidelines. Systems are available in simplex and all multiplex arrangements. The Medical Vacuum Systems are available the following configurations:

- Tank mounted on horizontal receiver
- Tank mounted on vertical receiver (up to 5 HP)
- Base mounted with a vertical receiver
- Stack mounted for limited space applications
- Modular system with individual components for limited access installations

The vacuum pumps are continuous duty, dry running units with carbon graphite, self-lubricating rotary vanes. The pumps are air cooled and direct driven, capable of continuous operation over a working range of 0" to 25.5" Hg. The pumps are completely self-contained units, requiring no external coolers, pumps, separators or reservoirs. Lubrication is provided by the self-lubricating, self-adjusting carbon graphite vanes. The carbon graphite vanes have a life of 8,000 to 15,000 hours depending on the size of the pump. The pump inlet is protected by means of an integral, 5-micron inlet filter. The rotary design is dynamically balanced and virtually vibration free. The pumps are constructed of heavy-duty aluminum alloy, providing superior heat transfer and long life. The pumps are equipped with large cooling fins and a sound attenuating enclosure to assure cool, quiet operation.

- Direct driven with no belts or gears.

Each pump is driven by a direct flanged three-phase, standard TEFC motor via a pin and bush coupling.

The UL listed electrical controls are mounted in a NEMA 12 control cabinet. The standard controls include:

- Combination circuit breaker disconnects, non-reversing, across-the-line motor starters with three phase overload protection.
- A programmable controller to cycle lead pump with each use.
- Hand-Off-Automatic selector switches.
- Lag pump in use indicator light with horn and connection for remote annunciation.
- Hour meters to monitor factory recommended service intervals.
- Running lights indicating pump in operation.

The system is supplied with properly sized inlet and discharge flex connectors and vibration isolation pads for field installation. As options, the system can be supplied with a discharge silencer and/or bacterial filters for field installation.

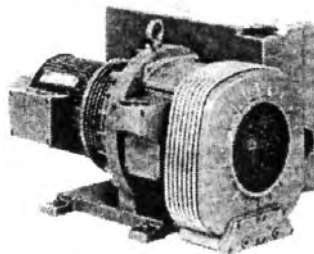
The system includes an ASME coded receiver rated for full vacuum service. The receiver includes a 2-1/2" vacuum gauge, manual drain, and 3-valve bypass.

Start-up and in-service instruction are provided by a factory trained technician. The vacuum system standard warranty is 12-months after start-up or 18-months from date of shipment (whichever comes first).

# Suction Pumps/Packaged Oil/Lubricated Rotary Vane

## Standard System Features

- Exceeds NFPA 99 recommended guidelines.
- Integral circuit breaker disconnects with door interlock.
- Programmable logic controller cycles lead pump with each use.
- Direct-driven with no belts or gears.
- UL listed control panel mounted in a NEMA 12 cabinet.
- Galvanized pipe with copper or brass fittings on all vacuum connections.
- Receiver constructed per ASME standards. Includes manual drain and 3-valve by-pass.



- Two plumbing and one major electrical connection.
- Total recirculation of standard automotive oil (SAE-30, non-detergent).
- No water required for cooling.
- Quiet operation 58 to 83 dBA depending on pump size.
- Lag pump on alarm with auxiliary contacts for connection to Master Alarm.
- Low vibration - no special foundation required.
- Factory installed 5 micron pump inlet filter.

## Description

The Chemetron Oil-Lubricated Rotary Vane Vacuum System provides superior performance with minimal maintenance. The packaged system contains all necessary controls and components to meet or exceed NFPA 99 recommended guidelines. Systems are available in simplex and all multiplex arrangements. The factory packaged vacuum system consists of rotary vane vacuum pumps, pre-wired control panel, receiver, and interconnecting wiring and piping, requiring only two plumbing connections (intake and exhaust) and one major electrical connection. Chemetron Medical Vacuum Systems are available in the following configurations:

- Tank mounted
- Base mounted
- Stack mounted for limited space installations
- Modular system with individual components for limited access installations

The vacuum pumps are continuous duty, rotary vane, oil-sealed, air cooled, direct driven units capable of continuous operation over a working range of 18" to 29" Hg. Each pump has single shaft seals and is equipped with an automatic gas ballast valve to prevent condensation of water vapor, extending the life of the oil and the system. The pump includes an integral, multi-stage oil-removal system featuring a built-in exhaust demister that removes and reclaims 99.9% of the exhausted oil. Additionally, each pump includes an exhaust back pressure gauge to indicate the need for filter maintenance and an oil sight-glass for monitoring oil level. Lubrication is provided by the integral, fully recirculating oil supply. The pump inlet is protected by means of a wire mesh screen. An internal anti-suckback valve is included to prevent oil from entering the vacuum piping network. Pump vanes, because of their construction, will provide superior heat transfer and long life. The pumps are dynamically balanced and virtually vibration free.

Each pump is driven by a direct flanged three-phase, standard TEFC motor via a pin and bush coupling. All models operate between 58-83 dBA, depending on size. Pumps require standard automotive grade SAE-30 nondetergent oil for lubrication. Synthetic oil is available as an option.

The UL listed electrical control panel is mounted in a NEMA 12 control cabinet. The standard control panel includes the following components:

- Integral circuit breaker disconnects with door interlock, across the line motor starters with three phase overload protection.
- A programmable logic controller to cycle lead pump with each use.
- Hand-Off-Automatic selector switch for each pump.
- Lag pump in use indicator light with horn and connection for remote annunciation.
- Hour meters to monitor factory recommended service intervals.
- Pump running lights to indicate pump in operation.

Each system includes an ASME coded receiver rated for full vacuum service. The system receiver includes a 2-1/2" vacuum gauge, manual drain, and 3-valve bypass. Additionally, each system includes properly sized inlet and exhaust flex connectors, and vibration isolation pads for field installation. The system also includes factory installed 5 micron pump inlet filters to promote longer life. As options, the system may be supplied with an exhaust silencer and/or bacterial filters for field installation.

Start-up and in-service instruction is provided by a factory trained technician. The Chemetron Medical Vacuum System is warranted for 12 months after start-up or 18 months from date of shipment (whichever comes first).