



Vacuum Pumps

KAESER PUMP DATA CHART

These specifications apply to Bare Pumps and Pumps in Assemblies.

Omega Tri-Lobe

	HP	Vac. level	Wt.	RPM/%Speed	BHP	*CFM	*Ltrs/Sec	dB level	Port
OMEGA22P	7.5HP	13.5	84 lbs.	4674/78%	6.4	80	38	84	2.5
OMEGA23P	10HP	13.5"	99 lbs.	4735/82%	8.7	116	55	88	2.5
OMEGA41P	15HP	13.5"	201 lbs.	4261/85%	13.7	190	90	89	3
OMEGA42P	20HP	13.5"	238 lbs.	4209/85%	18	252	119	90	4
OMEGA43P	25HP	13.5"	273 lbs.	3574/79%	22	317	150	90	4
OMEGA52P	30HP	13.5"	377 lbs.	3300/75%	27.4	382	178	89	6

* CFMs and Ltrs/sec in this chart are computed at sea level, 68° Fahrenheit ambient temperature at the vacuum levels as listed..

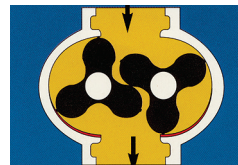
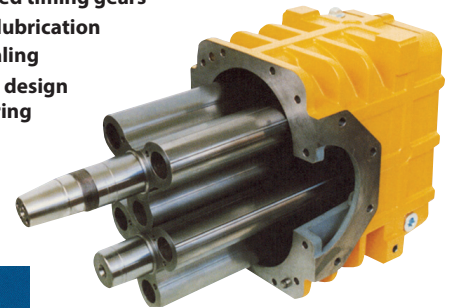
Pump performance varies according to ambient temperature, humidity, air pressure, elevation, and many other factors. The CFM and Ltrs/sec listed indicate the pump's performance at sea level at 68°F at the vacuum level given. Please call to take advantage of our **Computer-Assisted Pump Sizing Program** which considers all the variables and recommends the right size pump for the job. Inquire about larger pumps, available by special order.

Kaeser Vacuum Pumps are backed by a 24-Month Warranty against defects in material and workmanship. We do non-warranty repair. Call for quotation.



KAESER OMEGA PUMPS

- Machined one-piece rotor assemblies
- High strength housing with cast iron endplates
- Heavy duty bearings & shafts
- Perfectly matched timing gears
- Reliable splash lubrication
- Dependable sealing
- Quality German design and manufacturing



Omega Plus Tri-lobe Pumps

KAESER OMEGA PLUS TRI-LOBE

- Improved vacuum-producing technology
- Reduced pressure pulsations
- Lower noise levels

THE Coburn[®] COMPACT Vacuum Pump Assembly

Coburn Compact featuring the Kaeser Vacuum Pump, is a complete vacuum pump assembly occupying a minimum amount of space in the milking barn or parlor. The smallest is only 32"L by 21"W by 37"H. The Coburn Compact is shipped fully assembled with Kaeser Pump, compact stand, silencer, belt guard, drive package and remote oil drain.

See the Master Chart in the "Bare Pump" section for information on pump performance. Pump performance varies with the environment, so we offer our Computer-Assisted Pump Sizing Program to help select the right pump for conditions. Please call for information.

The Compact Assembly includes durable grey stand and belt guard with easy belt tension adjustment. The D33 series combination chamber absorptive-type discharge silencer is replaceable, if needed. Compacts are shipped completely assembled. Specify with or without motor.

Compacts with Omega Plus TRI-LOBE Pumps:

OMEGA22PC-7.5V	Tri-Lobe Compact with 7.5HP motor. 32"L x 21"W x 37"H. Wt. 428 lbs.
OMEGA22PC-7.5VX	Tri-Lobe Compact without motor. Wt. 270 lbs.
OMEGA23PC-10V	Tri-Lobe Compact with 10HP motor. 32"L x 21"W x 37"H. Wt. 450 lbs.
OMEGA23PC-10VX	Tri-Lobe Compact without motor. Wt. 285 lbs.
OMEGA41PC-15V	Tri-Lobe Compact with 15HP motor. 50"L x 30"W x 43"H. Wt. 714 lbs.
OMEGA41PC-15VX	Tri-Lobe Compact without motor. Wt. 491 lbs.
OMEGA42PC-20V	Tri-Lobe Compact with 20HP motor. 50"L x 32"W x 48"H. Wt. 839 lbs.
OMEGA42PC-20VX	Tri-Lobe Compact without motor. Wt. 564 lbs.
OMEGA43PC-25V	Tri-Lobe Compact with 25HP motor. 50"L x 32"W x 48"H. Wt. 1001 lbs.
OMEGA43PC-25VX	Tri-Lobe Compact without motor. Wt. 605 lbs.
OMEGA52PC-30V	Tri-Lobe Compact with 30HP motor. 31"L x 69"W x 53"H. Wt. 1417 lbs.
OMEGA52PC-30VX	Tri-Lobe Compact without motor. 31"L x 69"W x 53"H. Wt. 985 lbs.



Remote Oil Drain



The Coburn Company, Inc. • P O Box 147 • Whitewater, WI 53190 U.S.A.

800 776 7042

262 473 2822

coburn.com

info@coburn.com



Variable Speed Drive

The Mitsubishi Variable Speed Drive System is designed to provide accurate vacuum level control on modern dairy farms. The control is programmed to follow a vacuum level set by the operator of the dairy. This level is maintained by the use of a Vacuum Transducer mounted in the Vacuum line and connected back to the VSD. The Transducer provides a constant feedback to the VSD which in turn changes the speed based on system demand.

Using the keypad, the desired vacuum level is entered and the VSD will maintain that reading at all times. During milking the VSD will vary in speed to keep the set point satisfied. The VSD updates the feedback loop as many as 50 times per second, therefore ensuring the rapid response to changes in the vacuum level of the system.

Adjustments can be made to increase or decrease the responsiveness of the system. Factory pre-sets are most common without any changes necessary. Transducer and Cord Set are required accessories for operation of the VSD.



- Standard Nema 1 enclosed
- Adjustable vacuum set point
- Automatic vacuum regulation through the use of a line mounted transducer (sold separately)
- Simple fine tune adjustments for added flexibility
- Vacuum bypass switch contact for full speed operation
- Ultra-fast vacuum signal response update (up to 50 times per second)
- Simple installation

- 101-2050 Mitsubishi VSD System for 5HP motor for single phase 230V power.
- 101-2075 Mitsubishi VSD System for 7.5HP motor for single phase 230V power.
- 101-2100 Mitsubishi VSD System for 10HP motor for single phase 230V power.
- 101-2150 Mitsubishi VSD System for 15HP motor for single phase 230V power.
- 101-2200 Mitsubishi VSD System for 20HP motor for single phase 230V power.
- 101-2250 Mitsubishi VSD System for 25HP motor for single phase 230V power.
- 101-2300 Mitsubishi VSD System for 30HP motor for single phase 230V power.
- 101-4100 Mitsubishi VSD System for 10HP motor for three phase 460V power.
- 101-4150 Mitsubishi VSD System for 15HP motor for three phase 460V power.
- 101-4200 Mitsubishi VSD System for 20HP motor for three phase 460V power.
- 101-4250 Mitsubishi VSD System for 25HP motor for three phase 460V power.
- 101-4300 Mitsubishi VSD System for 30HP motor for three phase 460V power.
- 101-9001 Vacuum Transducer for VSD, 0-30" Hg, required.
- 101-9002 Cord Set for Mitsubishi VSD System, required.
- 101-9003 Relay for Mitsubishi VSD System.
- 101-9004 Socket Base for Mitsubishi VSD System.

Lobe Pump Wash System

Lobe Pump Wash System is used to clean rotary lobed vacuum pumps and blowers. It is easily installed on most lobed pump systems and is available with 120/230V electrical components to match the milking equipment automatic wash system.

We recommend Coburn Vacuum Pump Cleaner, a neutral, ready-to-use degreasing cleaner which removes dust, dirt and milkfat from lobed vacuum pumps. Cleaner is metered to the vacuum pump inlet air stream during the daily wash cycle to automatically clean the rotor lobes. The timer is programmed to deliver the precise amount of Cleaner required for the pump, in most cases a very small amount. Daily cleaning helps prevent the build-up of milkfat and other residues. Our Cleaner also contains a rust inhibitor to protect the pump from rust and corrosion.

The Cleaning System includes peristaltic pump with control, straight injector, and 10 ft. of chemical tubing.

- 1205300 Cleaning System, complete. CSA-approved. Wt. 3 lbs.
- 1209553 Tube Kit.
- 1209556 Pump cartridge.
- 5600-1 Coburn Vacuum Pump Cleaner, one-gallon jug. Wt. 33 lbs.
- 5600-5 Coburn Vacuum Pump Cleaner, five-gallon pail. Wt. 42 lbs.



Synthetic Vacuum Pump Oil

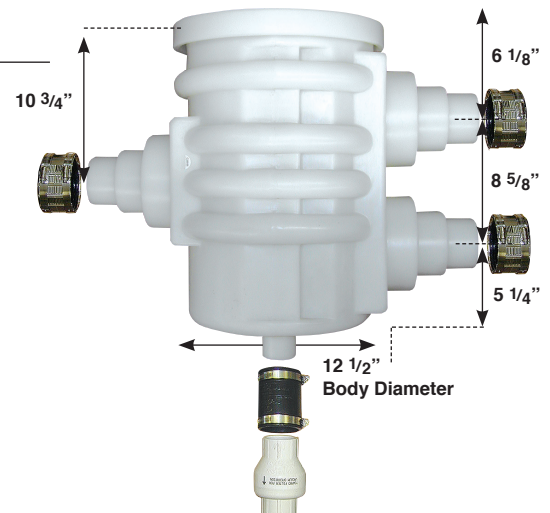


Kaeser Pump Oil is a special synthetic oil especially recommended for Kaeser pumps. It requires changing much less often than ordinary petroleum-based oils.
SB320 Kaeser Pump Oil. Quart.

Coburn Vacuum Pre-Filters

Polyethylene Vacuum Pre-Air Filters are more economical than PVC and very sanitary as they have the advantage of being molded in one piece eliminating the crevices that could trap dirt and germs. Our Pre-Filters include automatic drain valve, clamps, gasketed removable lid, and stainless steel filter screen. A cap is included for closing off the unused vacuum line in single configurations.

- 160201P Vacuum Pre-Air Filter with 3" pump connection for 3" single or double vacuum line. Wt. 30 lbs.
- 160206P Vacuum Pre-Air Filter with 4" pump connection for 4" single or double vacuum line. Wt. 27 lbs.
- 160208P Vacuum Pre-Air Filter with 4" pump connection for 3" single or double vacuum line. Wt. 27 lbs.
- 160237P Vacuum Pre-Air Filter with 6" pump connection for 4" single or double vacuum line. Wt. 27 lbs.
- 160238P Vacuum Pre-Air Filter with 6" pump connection for 6" single vacuum line. Wt. 27 lbs.
- TCC31474 Replacement Stainless Steel Screen, 10-7/8"W x 19"L x 5/16".
- ETBC-001 Replacement Gasket for Pre-Filter Cover.
- 200-15 Replacement PVC Check Valve (drain) 1.5 X 2".



The Coburn Company, Inc. • P O Box 147 • Whitewater, WI 53190 U.S.A.

800 776 7042

262 473 2822

coburn.com

info@coburn.com