

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48

Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курган (3522)50-90-47
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Ноябрьск (3496)41-32-12

Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саранск (8342)22-96-24
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35

Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://gea.nt-rt.ru/> || gsg@nt-rt.ru

СИСТЕМЫ ДОЕНИЯ RPL, RPS Технические характеристики



RPS Vacuum Pump

Oil-lubricated pump for maximum performance

RPS has more staying power

The RPS vacuum pumps work absolutely reliable. In case of sudden air ingress the vacuum system will maintain the correct vacuum level: large vacuum reserves ensure that the milking process can be safely continued. Especially important for optimal cow milking!

Safe and precise control

All electrical devices are interconnected in the central motor control system that starts and runs the vacuum pump installation. For example, the selector switch on the automatic rinsing device can be used to start up the whole milking installation. The integrated motor protection switch ensures maximum safety. The motor control system has a particularly long service life and is extremely maintenance-friendly with a splash-proof housing.

Another benefit is the built-in hours counter that monitors exactly when the next routine service is due to be carried out.



Rotor made of high quality stainless steel

RPS quality oil

The best technology deserves the right oil. That is why RPS pumps should only be lubricated using GEA's special RPS oil. Because of its high temperature resistance and viscosity, this special oil ensures optimum operation of the vacuum pumps – for a long service life and low repair costs. The high quality pump oil is available in consumer- and environmentally-friendly 1 L, 5 L, 10 L, 30 L and 200 L containers.

Comparative tests after 100 operation hours



Oil separator with GEA's special RPS vacuum pump oil



Oil separator with gray market oil



RPS benefits at a glance

- Tried and tested technology: many years of experience in the design and production of vacuum pumps
- A guaranteed high level of build quality: manufactured in accordance with DIN ISO 9001, DIN before delivery
- Long service life due to continuous lubrication with special oil from GEA
- Low operating costs: specially designed pump outlets for maximum air discharge per kW drip feed lubrication
- Low maintenance costs: Low which stops when the pump is not in operation
- Quieter operation of the pump due to single-piece rotor
- Stable vacuum for gentle milking and sufficient turbulences during rinsing

f



RPL Vacuum Pump

Efficient high-tech lobe pump

Three-vane rotor in the sturdy block frame

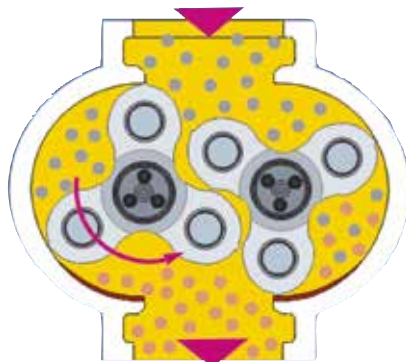
Unlike conventional two-vane lobe vacuum pumps, the RPL series uses three-vane rotors. This special design ensures the highly efficient creation of milking vacuum.

The quiet non-contact operation of the three-vane rotor reduces the exhaust noise to a minimum. This is optimized by the specially designed pressure compensating system. High-precision manufacturing methods are used to produce the straight-tooth gear wheels of the drive unit. This ensures absolutely precise synchronous operation and minimum wear.

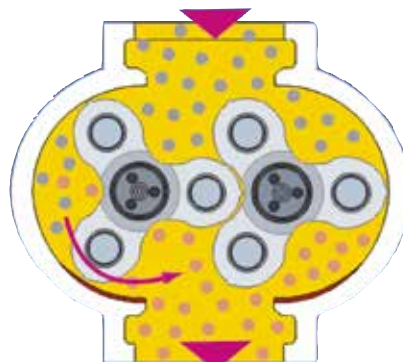


Three-vane rotor

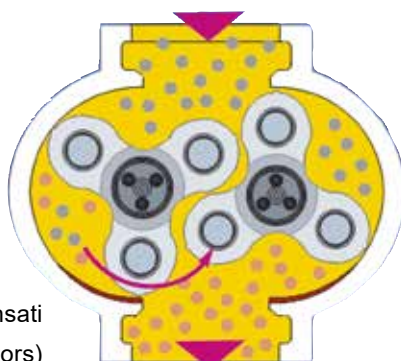
Operating principle of the three-vane rotor



1. Intake



2. Delivery to the discharge end



3. Pressure compensation
(only three-vane rotors)



4. Expulsion



RPL benefits at a glance

- High air capacity even during continuous operation
- Absolutely stable milking vacuum fog operations and long optimum milking udder health
- Better for the environment: lobe vacuum pumps create vacuum without emitting oil particles into the outgoing air lines
- Pressure sound absorbers are silent operation
- Lower maintenance costs: the three-vane rotor system and the special air filter reduce maintenance costs



Intake air: clean enough to breathe

Even in rough operating environments, a specially designed separator in a 230 liter vacuum tank ensures optimum cleaning of the intake air and ensures maximum operational reliability. With its cyclonic principle of operation and effective fluid and particle filters, it achieves an outstanding level of cleaning. Regular flushing of the vacuum pump becomes unnecessary and the short maintenance intervals ensure a high level of reliability.



Low noise level

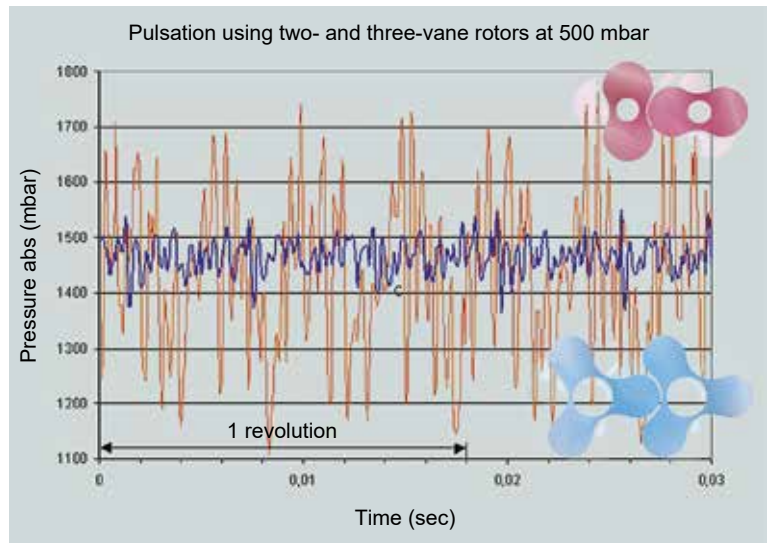
The exhaust noise can be reduced to a minimum by a pressure sound absorber. The air flow is repeatedly diverted in this specially designed sound absorber.



Under the pump cover

If required, the operating noise can be considerably reduced even further. In order to do this, a split sound-damping pump cover with quick-release locks can be fitted over the pump assembly.

Comparison of vacuum fluctuation



Red: usual lobe vacuum pumps

Blue: RPL vacuum pumps



Accessories for Vacuum Pumps

A strong solution for every dairy farm

Built-in safety

The Vacurex or Commander vacuum regulators ensure that the vacuum level remains constant even if loadings change. They are servo-controlled and react at lightning speed within 5/100 of a second. Large filter surfaces ensure that the control valves and filters continue to operate reliably even after they have been in operation for many hours. The Commander regulator is optimally designed to ensure a constant milking vacuum on largest installations.

The vacuum monitor protects the system against defects caused by excessive vacuum. If the vacuum level is exceeded, it switches on automatically and stops the vacuum pump. The safety float in the vacuum tank prevents too much water being sucked into the pump – condensation water is automatically separated off.

2nd vacuum level (for RPS)

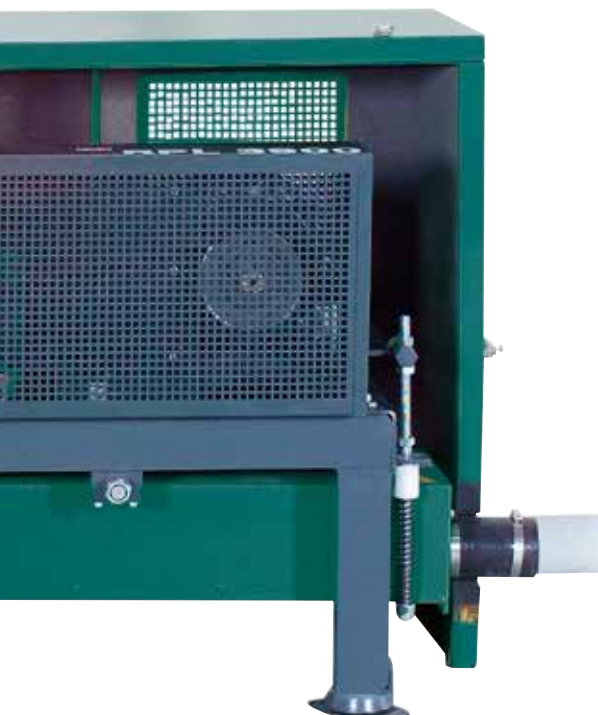
An additional feature can be added to the Vacurex and Commander control valve to give you a second vacuum level. It automatically switches from the milking vacuum to a rinsing vacuum that is 10 kPa higher. The greater vortex of water and faster thrust in the milking tube improves the efficiency of rinsing. This means optimum hygiene, low bacterial counts and hence reduced operating costs.



The tried and tested Commander and Vacurex control valves ensure a constant milking vacuum.



The vacuum monitor protects the pump and the milking installation against excessive vacuums.



ALWAYS THE RIGHT VOLTAGE

The RPL series has an automatic V-belt tensioner. There is no need for manual tensioning so optimum power transmission is always ensured. Wear is reduced and the V-belt will last essentially longer.

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48

Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курган (3522)50-90-47
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Ноябрьск (3496)41-32-12

Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саранск (8342)22-96-24
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35

Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

<https://gea.nt-rt.ru/> || gsg@nt-rt.ru