

X-VSI, ICVS, VSB

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231	Казань (843)206-01-48	Новокузнецк (3843)20-46-81	Смоленск (4812)29-41-54
Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Новосибирск (383)227-86-73	Сочи (862)225-72-31
Астрахань (8512)99-46-04	Калуга (4842)92-23-67	Омск (3812)21-46-40	Ставрополь (8652)20-65-13
Барнаул (3852)73-04-60	Кемерово (3842)65-04-62	Орел (4862)44-53-42	Сургут (3462)77-98-35
Белгород (4722)40-23-64	Киров (8332)68-02-04	Оренбург (3532)37-68-04	Тверь (4822)63-31-35
Брянск (4832)59-03-52	Краснодар (861)203-40-90	Пенза (8412)22-31-16	Томск (3822)98-41-53
Владивосток (423)249-28-31	Красноярск (391)204-63-61	Пермь (342)205-81-47	Тула (4872)74-02-29
Волгоград (844)278-03-48	Курск (4712)77-13-04	Ростов-на-Дону (863)308-18-15	Тюмень (3452)66-21-18
Вологда (8172)26-41-59	Липецк (4742)52-20-81	Рязань (4912)46-61-64	Ульяновск (8422)24-23-59
Воронеж (473)204-51-73	Магнитогорск (3519)55-03-13	Самара (846)206-03-16	Уфа (347)229-48-12
Екатеринбург (343)384-55-89	Москва (495)268-04-70	Санкт-Петербург (812)309-46-40	Хабаровск (4212)92-98-04
Иваново (4932)77-34-06	Мурманск (8152)59-64-93	Саратов (845)249-38-78	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Набережные Челны (8552)20-53-41	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
Иркутск (395)279-98-46	Нижний Новгород (831)429-08-12	Симферополь (3652)67-13-56	Ярославль (4852)69-52-93
Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	



X-VSI Dry Screw Vacuum Bottling System

SAVING WATER IN BOTTLING PROCESSES



DRY SCREW
VACUUM
PUMPS



VIRTUALLY
WATER-LESS



EFFICIENT



ECO-FRIENDLY

X-VSI System Overview

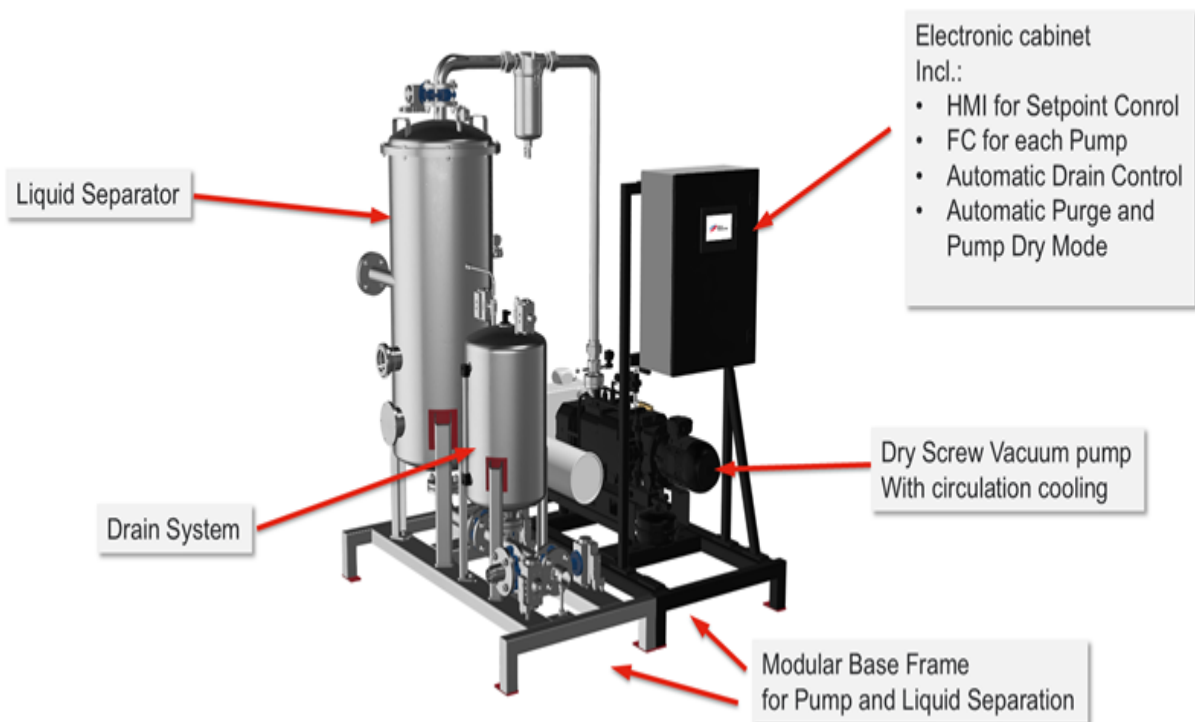
X-VSI Dry Screw Vacuum System incorporating the Elmo Rietschle S-VSI Screw Vacuum Pumps providing:

- **Low energy consumption** due to the highly efficient variable pitch screw technology and IE4 motor.
- **Zero water consumption** as the pumps are equipped with an

air/water recirculation cooling system.

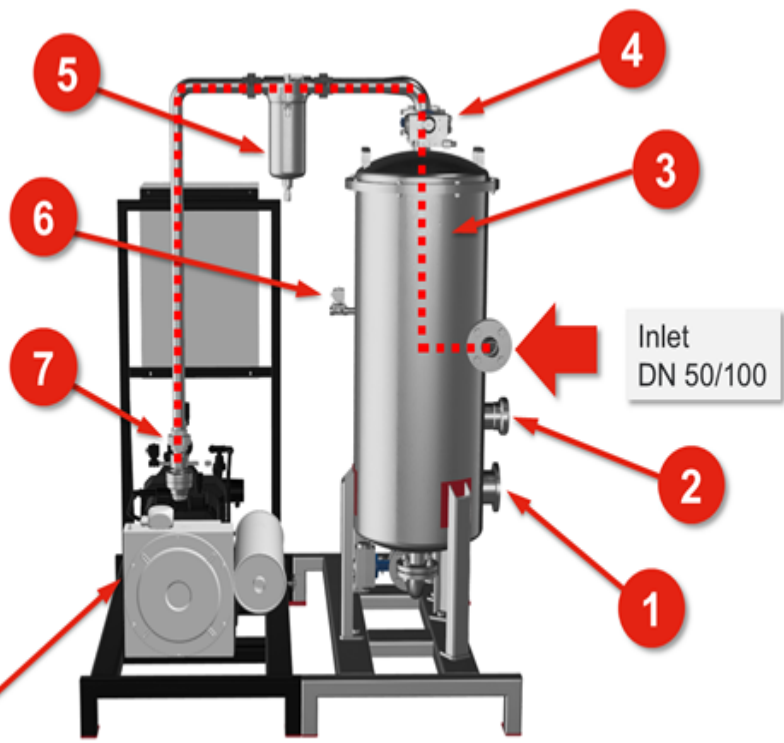
- **Temperature and pressure monitoring** of the integrated cooling water circuit for maximum process reliability.
- **Outstanding Heavy Duty application tolerances** - XD version with ProCoat coating of the wetted parts for superior corrosion resistance.
- **Variable speed drive (VSD)** allows precise set-point pressure control for optimum adaptation to the process.

Type	Suction capacity
Simplex S-VSI 100-1 XD	110 m ³ /h
Simplex S-VSI 301-1 XD	360 m ³ /h
Duplex S-VSI 100-2 XD	220 m ³ /h
Duplex S-VSI 301-2 XD	720 m ³ /h

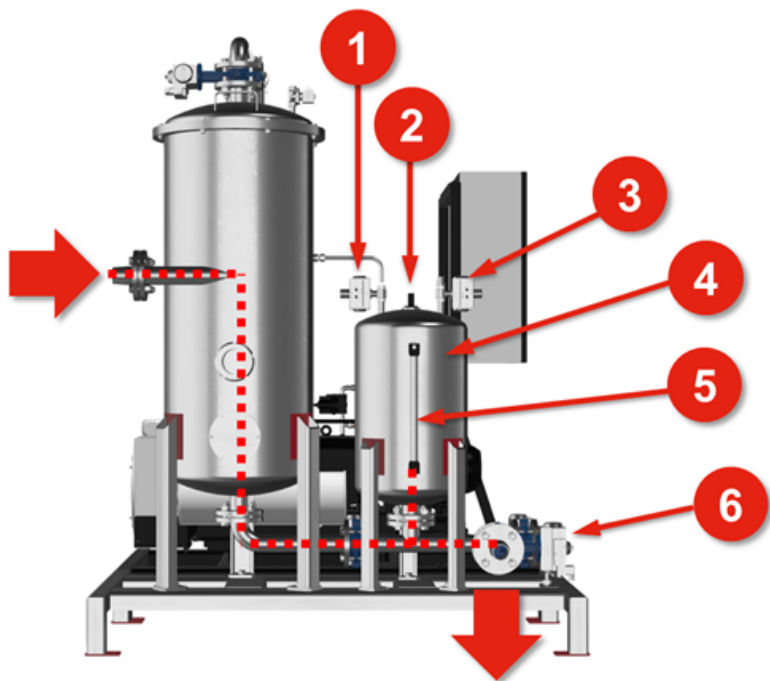


1. Inspection Door
2. Level Sight Glass
3. Separator Grill
4. Pneumatic Shut-Off Valve
5. Vacuum Filter with Manual Drain Valve
6. Spray Ball Valve
7. Flushing unit with flushing valve and purge gas valve for drying the pump.

Dry Screw Vacuum pump
With circulation cooling

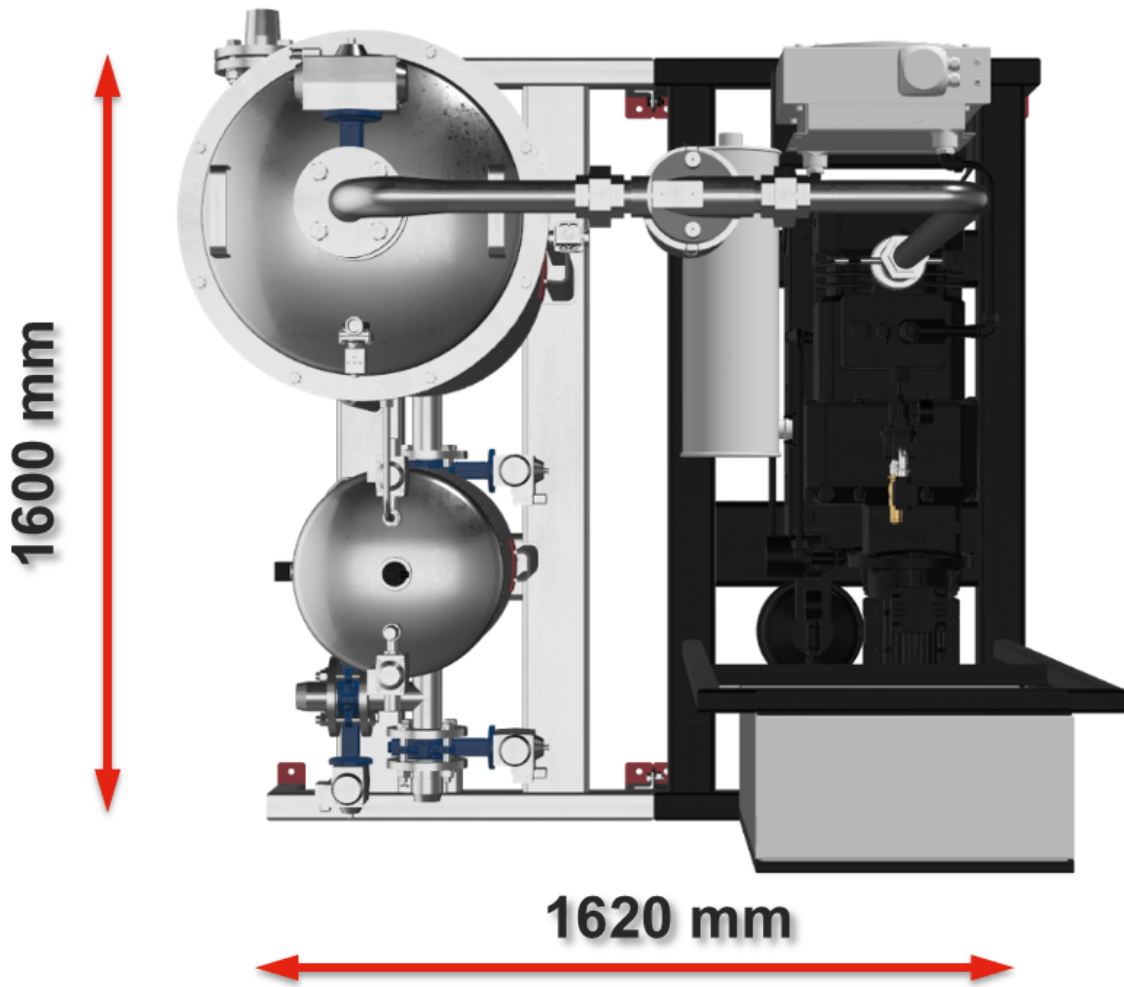


1. Pneumatic Valve
2. High/Low Level Switch
3. Pressurisation Valve
4. Condensate Receiver Tank
5. Level Indicator
6. Pneumatic Water Drain Valve



System Footprint

Compact footprint only 2.6m



Liquid Ring System vs Dry Screw System Comparison

Typical Liquid Ring Vacuum pump system using in bottling process

Filler 1	Water flow	1.8 m ³ /h
	Power	18.6 kW
	CO2	0.6 m ³ /h
Filler 2	Water flow	2.45 m ³ /h
	Power	37.3 kW
	CO2	0.8 m ³ /h

New Vacuum pump system with Dry Screw

Filler 1	Water flow	Zero
	Power	9.3 kW

	CO2	0.5 m ³ /h
Filler 2	Water flow	Zero
	Power	9.3 kW
	CO2	0.3 m ³ /h



Dry Claw System

ICVS Frame 1 Claw

Elmo Rietschle's Industrial Central Vacuum Systems are an industry leading, true plug-and-play product. The highly engineered, modular design allows this system to expand with your ever-changing needs. Featuring Elmo Rietschle's highly efficient VLR 60 claw technology, this system is configured to your every need. Available in Duplex, Triplex, or a Quadplex orientation, there is truly no height this ICVS Claw cannot reach.

Features

- Open or Enclosed
- Duplex, Triplex, or Quadplex
- 7" touchscreen control panel
- Ease of installation
- Dual filter bypass available
- 80 gallon ASME coded receiver
- Common power panel
- VFD option available

Benefits

- Highly efficient

- Reduced downtime
- Reduced sound levels
- Minimal floor space required
- Low operating costs

Performance

- Volume flow from 85 to 170 CFM
- Ultimate Vacuum 85 Torr
- Ultimate Vacuum 26.6 inHg



Oil Lubricated Rotary Vane System

ICVS Frame 1 Vane

Elmo Rietschle's Industrial Central Vacuum Systems are an industry leading, true plug-and-play product. The highly engineered, modular design allows this system to expand with your ever-changing needs. Featuring Elmo Rietschle's highly efficient VC 50 and VC 75 oil vane technology, this system is configured to your every need. Available in Duplex, Triplex, or a Quadplex orientation, there is truly no height this ICVS Vane cannot reach.

Features

- Open or Enclosed
- Duplex, Triplex, or Quadplex
- 7" touchscreen control panel
- Ease of installation
- Dual filter bypass available
- 80 gallon ASME coded receiver
- Common power panel

Benefits

- Highly efficient
- Reduced downtime

- Reduced sound levels
- Minimal floor space required
- Low operating costs

Performance

- Volume flow from 70 to 198 CFM
- Ultimate Vacuum 5 Torr
- Ultimate Vacuum 29.7 inHg



Dry running screw vacuum pump - **VSB320-430**

This industrial sized screw pump has a maximum flow of 253 cfm. Operating at a deep vacuum as low as .02 Torr, this screw pump thrives in chemical applications, where standard industrial products cannot. Standard pump uses Kalrez o-rings, as well as PEEK coating to ensure this pump runs efficiently in your process. The VSB 320/430 is powered by C-Face NEMA 10 and 15 hp motors respectively.



V-VCS Oil Lubricated Rotary Vane Vacuum Pumps

An Engineered Evolution

The latest evolution in rotary vane design has arrived with the new VCS range in the Elmo Rietschle V-Series. With volumes capacity starting from 100 m³/hr up to 360 m³/hr. The new VCS has been developed to improve the overall performance of this tried and tested rotary vane vacuum pump technology. This evolutionary design provides our lowest cost of ownership for an oil lubricated rotary vane vacuum pump, whilst weight, noise and size reductions make it easily adaptable and retrofittable.

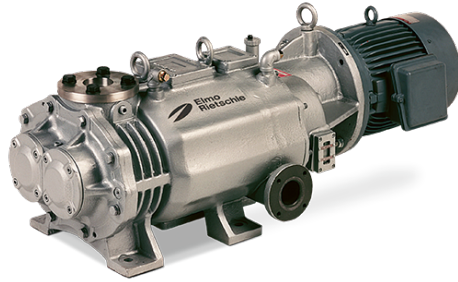


V-VCX Heavy Duty Oil Lubricated Rotary Vane Vacuum Pumps

Designed for wet applications

The latest evolution in rotary vane design has arrived with the new VCX range in the Elmo Rietschle V-Series. With volume capacities starting from 100 m³/hr and 360 m³/hr, the VCX has been developed to improve the overall performance of this tried and tested rotary vane vacuum pump technology. This evolutionary design provides our lowest cost of ownership for an oil lubricated rotary vane vacuum pump, whilst weight, noise and size reductions make it easily adaptable and retrofittable.

Wet applications with chemically resistant resin vanes, enlarged and adjustable gas ballast, metal float valve and optimized temperatures to dissipate water.



Dry running screw vacuum pump - **VSB120-200**

This industrial sized screw pump has a maximum flow of 106 cfm. Operating at a deep vacuum as low as .02 Torr, this screw pump thrives in chemical applications, where standard industrial products cannot. Standard pump uses Kalrez o-rings, as well as PEEK coating to ensure this pump runs efficiently in your process. The VSB 120/200 are powered by a C-Face NEMA 5 hp motor.

Features

- Highly Engineered Design
- Industry leading PEEK coating
- Ideal for chemical processes

Benefits

- Extremely deep base pressure of 0.075 Torr
- Suitable for applications requiring vacuum levels that no other technology can achieve
- Able to be used in combination with our VWP vacuum booster to achieve and maintain vacuum levels well into the single millitorr range
- Ideal for off-gassing lower vapor pressure volatiles at lower temperatures

Performance

- Volume Flow up to 440 cfm
- Maximum Vacuum .020 Torr



Dry running screw vacuum pump - **VSB800**

This industrial sized screw pump has a maximum flow of 440 cfm. Operating at a deep vacuum as low as .02 Torr, this screw pump thrives in chemical applications, where standard industrial products cannot. Standard pump uses Kalrez o-rings, as well as PEEK coating to ensure this pump runs efficiently in your process. The VSB 800 is powered by a C-Face NEMA 20 hp motor.

Features

- Highly Engineered Design
- Industry leading PEEK coating
- Ideal for chemical processes

Benefits

- Extremely deep base pressure of 0.075 Torr
- Suitable for applications requiring vacuum levels that no other technology can achieve
- Able to be used in combination with our VWP vacuum booster to achieve and maintain vacuum levels well into the single millitorr range
- Ideal for off-gassing lower vapor pressure volatiles at lower temperatures

Performance

- Volume Flow up to 440 cfm
- Maximum Vacuum .020 Torr

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231	Казань (843)206-01-48	Новокузнецк (3843)20-46-81	Смоленск (4812)29-41-54
Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Новосибирск (383)227-86-73	Сочи (862)225-72-31
Астрахань (8512)99-46-04	Калуга (4842)92-23-67	Омск (3812)21-46-40	Ставрополь (8652)20-65-13
Барнаул (3852)73-04-60	Кемерово (3842)65-04-62	Орел (4862)44-53-42	Сургут (3462)77-98-35
Белгород (4722)40-23-64	Киров (8332)68-02-04	Оренбург (3532)37-68-04	Тверь (4822)63-31-35
Брянск (4832)59-03-52	Краснодар (861)203-40-90	Пенза (8412)22-31-16	Томск (3822)98-41-53
Владивосток (423)249-28-31	Красноярск (391)204-63-61	Пермь (342)205-81-47	Тула (4872)74-02-29
Волгоград (844)278-03-48	Курск (4712)77-13-04	Ростов-на-Дону (863)308-18-15	Тюмень (3452)66-21-18
Вологда (8172)26-41-59	Липецк (4742)52-20-81	Рязань (4912)46-61-64	Ульяновск (8422)24-23-59
Воронеж (473)204-51-73	Магнитогорск (3519)55-03-13	Самара (846)206-03-16	Уфа (347)229-48-12
Екатеринбург (343)384-55-89	Москва (495)268-04-70	Санкт-Петербург (812)309-46-40	Хабаровск (4212)92-98-04
Иваново (4932)77-34-06	Мурманск (8152)59-64-93	Саратов (845)249-38-78	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Набережные Челны (8552)20-53-41	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
Иркутск (395)279-98-46	Нижний Новгород (831)429-08-12	Симферополь (3652)67-13-56	Ярославль (4852)69-52-93
Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	