VESTAPOMP

Makes life comfortable

VESTA

Diaphragm Pumps

www.vestapump.com

About Us

We have been designing and producing various models of pumps to be used in different fields of industry. Experienced in product selection and production, our staff renders the services which meet the requirements of the industrial enterprises with after sales support and services which maintain our long term business relationships.

Since various fluids used in many sectors present different properties such as durability, viscosity, radiance, temperature, pressure, grains, contamination, abrasion, we have designed customized pumps according to each fluid/viscose type and developed and diversified our product range in line with your requests and requirements. We produce Diaphragm Pumps, Hot Oil Pumps, Gear Pumps, Twin Screw Pumps, Centrifugal Pumps, Vortex Pumps. The pumps we produce with our long years of experience are used in food, textile, paint, cleaning, energy, chemistry sectors.

Our company is a pioneer in the production of diaphragm transfer pumps with VESTAPOMP brand. VESTAPOMP products are used in European Union and Middle East countries and CIS countries, and the number of countries that choose us is also increasing year by year. Whereas, this is our quality certificate and one of the most significant factors which also makes us strong, reliable and energetic in the sector.

You may consult us regarding your new pump purchases in order to contribute your company's production quality or request our assistance and support in providing maintenance and increasing efficiency of your pumps. In order for you to safely transfer your fluids through high quality pumps, we are always by your side with our competent and experienced staff.

Our aim is to provide quality products and services to our customers.

Our Product Portfolio

- Diaphragm Pump

    . Metalic Body Pumps

    . Plastic Body Pumps

    . Hygenic Pumps

    . Electromechanical Diaphragm Pumps

    . Powder Pumps

    . High Pressure Diaphragm Pumps

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Methalic Body Pumps

Technical Specifications

Model	(lt/min)	Inlet-Outlet (inch)	Pressure (max. bar)	Altitude (max. m)	Depth (m)	Temperature (°C)	Inlet	Permeability (mm)	Weight (kg)
VP 05 (3/4")	55	3/4"	7	70	6	–18 ~ +100	1/4"	3	4.9
VP 10 (1")	150	1"	7	70	6	–18 ~ +100	1/2"	4	9.0
VP 15 (1 1/2")	400	1 1/2"	7	70	6	–18 ~ +100	3/4"	6	25.0
VP 20 (2")	560	2"	7	70	6	–18 ~ +100	3/4"	6	32.0
VP 30 (3")	890	3"	7	70	6	–18 ~ +100	3/4"	8	51.0




VP05 Metalic Body Pumps

TECHNICAL FEATURES

Flow Rate	: 55 lt./min
Pump Inlet - Outlet	: 3/4"
Operation Pressure (Max.)	: 7 bar
Delivery Height (Max.)	: 70 mSS
Suction Depth	: 6m.
Operation Temperature	: -18°C/+100°C
Air Inlet	: 1/4"
Particle Permeability	: 3mm.
Weight	: 4.2 - 4.9 kg.

Air operated diaphragm pumps also operate without any problem in the cases when there is no liquid during the transfer. Shortly, the general pump problem, dry working does not make a problem for an air operated diaphragm pump. Also, pump has the feature to discharge pressured air without damaging its elastomer parts. Pumps having 3/4" inlet, outlet have Aluminium and Plastic (Polypropylene) casings and they have more utilization areas in Packaging, Dying, Food, Chemistry, Leather, Textile and Paper sectors.

VP10 Metalic Body Pumps

TECHNICAL FEATURES

Flow Rate	: 150 lt./min
Pump Inlet - Outlet	: 1"
Operation Pressure (Max.)	: 7 bar
Delivery Height (Max.)	: 70 mSS
Suction Depth	: 6m.
Operation Temperature	: -18°C/+100°C
Air Inlet	: 1/2"
Particle Permeability	: 4 mm.
Weight	: 8 - 9 kg.

Air operated diaphragm pumps is completely ex-proof and provides a safe working environment since electric motor is not used. Pumps having 1" inlet, outlet have Aluminium, Cast Iron, Stainless Steel and Plastic casings and they have more utilization areas in Dying, Chemistry, Leather, Textile, Shoe Sole Manufacturing Enamel, Food, Forestry Products and Paper sectors.

Methalic Body Pumps

VP15 Metalic Body Pumps

TECHNICAL FEATURES

Flow Rate	: 400 lt./min
Pump Inlet - Outlet	: 1½
Operation Pressure (Max.)	: 7 bar
Delivery Height (Max.)	: 70 mSS
Suction Depth	: 6m.
Operation Temperature	: -18°C/+100°C
Air Inlet	: 3/4"
Particle Permeability	: 6mm.
Weight	: 20.5 - 25 kg.

Air operated diaphragm pumps have multi-purpose usage features and they have the ability to transfer liquids having particules in high flow rates. Pumps having 1½ inlet, outlet have Aluminium, Cast Iron, Stainless Steel And Plastic (Polypropylene) casings and they have more utilization areas Dying, Treatment, Casting Industry, Rubber, Cosmetics, Paper sectors. The selection of these pumps having Neoprene, Buna-n EPDM, Vinton, Teflon eyastomers compatible with fluid provide them to have long life.

VP20 Metalic Body Pumps

TECHNICAL FEATURES

Flow Rate	: 560 lt./min
Pump Inlet - Outlet	: 2"
Operation Pressure (Max.)	: 7 bar
Delivery Height (Max.)	: 70 mSS
Suction Depth	: 6m.
Operation Temperature	: -18°C/+100°C
Air Inlet	: 3/4"
Particle Permeability	: 6 mm.
Weight	: 30 - 32 kg.

Depending on the materials that are used in an air operated diaphragm pump, itcan give performance of 6 meters depth suction and 70 meters height discharge. Pumps having 2" inlet, outlet have Aluminium, Cast Iron, Stainless Steel and Plastic (Polypropylene) casings and they have more utilization areas in Treatment, Dying, White Goods, Casting Industry, Ship, Construction, Rubber, Cosmetics, Mining and Ceramic sectors.

VP30 Metalic Body Pumps

TECHNICAL FEATURES

Flow Rate	: 890 lt./min
Pump Inlet - Outlet	: 3"
Operation Pressure (Max.)	: 7 bar
Delivery Height (Max.)	: 70 mSS
Suction Depth	: 6m.
Operation Temperature	: -18°C/+100°C
Air Inlet	: 3/4"
Particle Permeability	: 6 mm.
Weight	: 49 - 51 kg.

Because of its construction design, an air operated diaphragm pump is able to transfer the high-viscosity liquids which are corrosive and have particules (φ=8mm). Pumps having 3" inlet, outlet have Aluminium, Cast Iron, Stainless Steel and Plastic (Polypropylene) casings and they have more utilization areas Treatment, Construction, Mining and Ceramic sectors.

Plastic Body Pumps

Technical Specifications

Model	(lt/min)	Input – Output (inch)	Pressure (max. bar)	Altitude(max. m)	Depth (m)	Temperature (°C)	Inlet	Permeability (mm)	Weight (kg)
VP 02 (1/4")	16	1/4"	7	70	6	0 ~ +100	1/4"	1	1.5
VP 05 (3/4")	55	3/4"	7	70	6	0 ~ +100	1/4"	3	4.2
VP 10 (1")	150	1"	7	70	6	0 ~ +100	1/2"	4	8.0
VP 15 (1 1/2")	400	1 1/2"	7	70	6	0 ~ +100	3/4"	6	20.5
VP 20 (2")	560	2"	7	70	6	–18 ~ +100	3/4"	6	30.0
VP 30 (3")	890	3"	7	70	6	–18 ~ +100	3/4"	8	49




VP02 Plastic Body Pumps

TECHNICAL FEATURES

Flow Rate	: 15 lt./min
Pump Inlet - Outlet	: 1/4"
Operation Pressure (Max.)	: 7 bar
Delivery Height (Max.)	: 70 mSS
Suction Depth	: 1m.
Operation Temperature	: -18°C/+100°C
Air Inlet	: 1/4"
Particle Permeability	: 1mm.
Weight	: 1,8 kg.

The smallest member of **VP** family **VP02** is very light and a good alternative to electrical barrel pumps. Its light weight and easy to carry feature are good advantages of **VP02** to use it to transfer liquids from barrels. It has only polypropylenecasing and is used in chemical industry, ceramic industry and some others.

VP05 Plastic Body Pumps

TECHNICAL FEATURES

Flow Rate	: 55 lt./min
Pump Inlet - Outlet	: 3/4"
Operation Pressure (Max.)	: 7 bar
Delivery Height (Max.)	: 70 mSS
Suction Depth	: 6m.
Operation Temperature	: -18°C/+100°C
Air Inlet	: 1/4"
Particle Permeability	: 3mm.
Weight	: 4.2 - 4.9 kg.

Air operated diaphragm pumps also operate without any problem in the cases when there is no liquid during the transfer. Shortly, the general pump problem, dry working does not make a problem for an air operated diaphragm pump. Also, pump has the feature to discharge pressured air without damaging its elastomer parts. Pumps having 3/4" inlet, outlet have Aluminium and Plastic (Polypropylene) casings and they have more utilization areas in Packaging, Dying, Food, Chemistry, Leather, Textile and Paper sectors.

Plastic Body Pumps

VP10 Plastic Body Pumps

TECHNICAL FEATURES

Flow Rate	: 150 lt./min
Pump Inlet - Outlet	: 1"
Operation Pressure (Max.)	: 7 bar
Delivery Height (Max.)	: 70 mSS
Suction Depth	: 6m.
Operation Temperature	: -18°C/+100°C
Air Inlet	: 1/2"
Particle Permeability	: 4 mm.
Weight	: 8 - 9 kg.

Air operated diaphragm pumps is completely ex-proof and provides a safe working environment since electric motor is not used. Pumps having 1" inlet, outlet have Aluminium, Cast Iron, Stainless Steel and Plastic casings and they have more utilization areas in Dying, Chemistry, Leather, Textile, Shoe Sole Manufacturing Enamel, Food, Forestry Products and Paper sectors.

VP15 Plastic Body Pumps

TECHNICAL FEATURES

Flow Rate	: 400 lt./min
Pump Inlet - Outlet	: 1½
Operation Pressure (Max.)	: 7 bar
Delivery Height (Max.)	: 70 mSS
Suction Depth	: 6m.
Operation Temperature	: -18°C/+100°C
Air Inlet	: 3/4"
Particle Permeability	: 6mm.
Weight	: 20.5 - 25 kg.

Air operated diaphragm pumps have multi-purpose usage features and they have the ability to transfer liquids having particules in high flow rates. Pumps having 1½ inlet, outlet have Aluminium, Cast Iron, Stainless Steel And Plastic (Polypropylene) casings and they have more utilization areas Dying, Treatment, Casting Industry, Rubber, Cosmetics, Paper sectors. The selection of these pumps having Neoprene, Buna-n EPDM, Vinton, Teflon eyastomers compatible with fluid provide them to have long life.

VP20 Plastic Body Pumps

TECHNICAL FEATURES

Flow Rate	: 560 lt./min
Pump Inlet - Outlet	: 2"
Operation Pressure (Max.)	: 7 bar
Delivery Height (Max.)	: 70 mSS
Suction Depth	: 6m.
Operation Temperature	: -18°C/+100°C
Air Inlet	: 3/4"
Particle Permeability	: 6 mm.
Weight	: 30 - 32 kg.

Depending on the materials that are used in an air operated diaphragm pump, itcan give performance of 6 meters depth suction and 70 meters height discharge. Pumps having 2" inlet, outlet have Aluminium, Cast Iron, Stainless Steel and Plastic (Polypropylene) casings and they have more utilization areas in Treatment, Dying, White Goods, Casting Industry, Ship, Construction, Rubber, Cosmetics, Mining and Ceramic sectors.

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Plastic Body Pumps

VP30 Plastic Body Pumps

TECHNICAL FEATURES

Flow Rate	: 890 lt./min
Pump Inlet - Outlet	: 3"
Operation Pressure (Max.)	: 7 bar
Delivery Height (Max.)	: 70 mSS
Suction Depth	: 6m.
Operation Temperature	: -18°C/+100°C
Air Inlet	: 3/4"
Particle Permeability	: 6 mm.
Weight	: 49 - 51 kg.

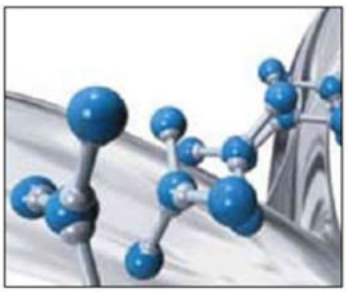
Because of its construction design, an air operated diaphragm pump is able to transfer the high-viscosity liquids which are corrosive and have particules (φ=8mm). Pumps having 3" inlet, outlet have Aluminium, Cast Iron, Stainless Steel and Plastic (Polypropylene) casings and they have more utilization areas Treatment, Construction, Mining and Ceramic sectors.

Hygenic Pumps

Technical Specifications

Model	Flow (lt/min	Inlet-Outlet (inch)	Pressure (max. bar)	Altitude (max.m)	Depth (m)	Temperature (°C)	Air İnlet	Permeability (mm)	Weight (kg)
VP 05	55	3/4"	7	70	6	–18 ~ +100	1/4"	3	6.5
VP 10	150	1"	7	70	6	–18 ~ +100	1/2"	4	12.0
VP 15	400	1 1/2"	7	70	6	–18 ~ +100	3/4"	6	26.0
VP 20	560	2"	7	70	6	–18 ~ +100	3/4"	6	31.0
VP 30	890	3"	7	70	6	–18 ~ +100	3/4"	8	65.0



Hygenic Pumps

VP10 Hygenic Pump

Capacity	:150 lt/min
Intake/Discharge siz	:1"
Main Body	:Polypropylene-Polypropylene Black-PVDF
Diaphragms	:Santoprene-Neoprene-Buna'N-EPDM-Teflon-Viton
Ball Valves	:Santoprene-Neoprene-Buna'N-EPDM-Teflon-Viton
Ball Seats	:Santoprene-Neoprene-Buna'N-EPDM-Teflon-Viton
Air İnlet Size	:1/2"
Solids-Handling	:4mm
Suction Depth	:6m
Operating Pressure Max.	:7 bar

VP15 Hygenic Pump

Capacity	:400 lt/min
Intake/Discharge siz	:1 1/2"
Main Body	:Polypropylene-Polypropylene Black-PVDF
Diaphragms	:Santoprene-Neoprene-Buna'N-EPDM-Teflon-Viton
Ball Valves	:Santoprene-Neoprene-Buna'N-EPDM-Teflon-Viton
Ball Seats	:Santoprene-Neoprene-Buna'N-EPDM-Teflon-Viton
Air İnlet Size	:3/4"
Solids-Handling	:6mm
Suction Depth	:6m
Operating Pressure Max.	:7 bar

VP20 Hygenic Pump

Capacity	:560 lt/min
Intake/Discharge siz	:3/4"
Main Body	:Polypropylene-Polypropylene Black-PVDF
Diaphragms	:Santoprene-Neoprene-Buna'N-EPDM-Teflon-Viton
Ball Valves	:Santoprene-Neoprene-Buna'N-EPDM-Teflon-Viton
Ball Seats	:Santoprene-Neoprene-Buna'N-EPDM-Teflon-Viton
Air İnlet Size	:3/4"
Solids-Handling	:6mm
Suction Depth	:6m
Operating Pressure Max.	:7 bar

VP30 Hygenic Pump

Capacity	:890 lt/min
Intake/Discharge siz	:3"
Main Body	:Polypropylene Black-PVDF
Diaphragms	:Santoprene-Neoprene-Buna'N-EPDM-Teflon-Viton
Ball Valves	:Santoprene-Neoprene-Buna'N-EPDM-Teflon-Viton
Ball Seats	:Santoprene-Neoprene-Buna'N-EPDM-Teflon-Viton
Air İnlet Size	:3/4"
Solids-Handling	:8mm
Suction Depth	:6m
Operating Pressure Max.	:7 bar

Electromechanical Diaphragm Pumps

VP05 Electromechanical Diaphragm Pumps

MAX. OPERATION PRESSURE (bar)	: 2
VOLTAGE (Volt)	: 380/220 Volt 50 Hz
ENERGY CONSUMPTION (Kw)	: 0,37
DISPLACEMENT/STROKE (Lt/Stroke)	: 0,2
MAX. DISCHARGE HEAD (Mss)	: 20
MAX. SUCTION HEAD (Meter)	: 4
SOLIDS-HANDLING (mm)	: 3
MAX. CAPACITY (m3/H)	: 1,48
RPM	: 60
MAX. LIQUID TEMPERATURE (°C)	: 100
INLET - OUTLET (Inch)	: 3/4

VP10 Electromechanical Diaphragm Pump

MAX. OPERATION PRESSURE (bar)	: 2
VOLTAGE (Volt)	: 380/220 Volt 50 Hz
ENERGY CONSUMPTION (Kw)	: 0,55
DISPLACEMENT/STROKE (Lt/Stroke)	: 0,55
MAX. DISCHARGE HEAD (Mss)	: 20
MAX. SUCTION HEAD (Meter)	: 4
SOLIDS-HANDLING (mm)	: 4
MAX. CAPACITY (m3/H)	: 4
RPM	: 60
MAX. LIQUID TEMPERATURE (°C)	: 100
INLET - OUTLET (Inch)	: 1

VP15 Electromechanical Diaphragm Pump

MAX. OPERATION PRESSURE (bar)	: 4
VOLTAGE (Volt)	: 380/220 Volt 50 Hz
ENERGY CONSUMPTION (Kw)	: 4
DISPLACEMENT/STROKE (Lt/Stroke)	: 1,47
MAX. DISCHARGE HEAD (Mss)	: 40
MAX. SUCTION HEAD (Meter)	: 5
SOLIDS-HANDLING (mm)	: 6
MAX. CAPACITY (m3/H)	: 13,8
RPM	: 78
MAX. LIQUID TEMPERATURE (°C)	: 100
INLET - OUTLET (Inch)	: 1½

VP20 Electromechanical Diaphragm Pump

MAX. OPERATION PRESSURE (bar)	: 4
VOLTAGE (Volt)	: 380/220 Volt 50 Hz
ENERGY CONSUMPTION (Kw)	: 4
DISPLACEMENT/STROKE (Lt/Stroke)	: 1,47
MAX. DISCHARGE HEAD (Mss)	: 40
MAX. SUCTION HEAD (Meter)	: 5
SOLIDS-HANDLING (mm)	: 6
MAX. CAPACITY (m3/H)	: 13,8
RPM	: 78
MAX. LIQUID TEMPERATURE (°C)	: 100
INLET - OUTLET (Inch)	: 1½

Electromechanical Diaphragm Pumps

VP30 Electromechanical Diaphragm Pumps

MAX. OPERATION PRESSURE (bar)	: 4
VOLTAGE (Volt)	: 380/220 Volt 50 Hz
ENERGY CONSUMPTION (Kw)	: 7,5
DISPLACEMENT/STROKE (Lt/Stroke)	: 3,65
MAX. DISCHARGE HEAD (Mss)	: 40
MAX. SUCTION HEAD (Meter)	: 5
SOLIDS-HANDLING (mm)	: 8
MAX. CAPACITY (m3/H)	: 34,2
RPM	: 78
MAX. LIQUID TEMPERATURE (°C)	: 100
INLET - OUTLET (Inch)	: 3

Powder Pumps

Vestapump keeps huge-pump air diaphragm powder pumps in product range for pump powder transfer as a solution. These pumps can easily absorb the powder by working principle with compressed air and transfer it in 7 bar pressure. Poder pums both run in high efficiency and do not induce raising dust from atmosphere. Hugepowder pump is suitale for the powders not adhering to the wall that has a definite specific weight.

- Plaster
- Starch
- Bentonit
- Cement
- Silicon

Those are some suitable examples for transferring

High-Pressure Pumps

Power quantity (compressed air) in which the diaphragm pumps have been used is proportional to the operating time. Power loss has not been existed.

During pumping, when the area being discharged has been dried, they can run in open circuit. While the pump is running in no-load (idling), it is not heated and due to firction any abrasion is not occurred. During the transfer of fluid, when any contraction, blockage or enclosure is occurred, it slows down or stops without causing any failure or energy consumption. When the outlet is opened, the pumping process restarts. Flow control varying from 16 litres to 890 litres in a minute is used if required. In order to increase the capacity, a few diaphragm pumps can be connected to outlet. Ball valve diaphragm pumps can pump viscosity materials like asphalt. Ball valves provide the solid particles in small size to transmit. However, in cases where the solid particles are larger, clack valve diaphragm pumps are used. They have no engine or electrical connections. They are secured against explosive. Overheating does not occur due to any friction. They can show leak-free running. They are used in explosive atmospheres such as underground mines and chemicals. There are no mechanical gasgets, packings, rotors, blades, gears or wheels in diaphragm pumps. Hence, they are less broken down compared to other types of pumps.

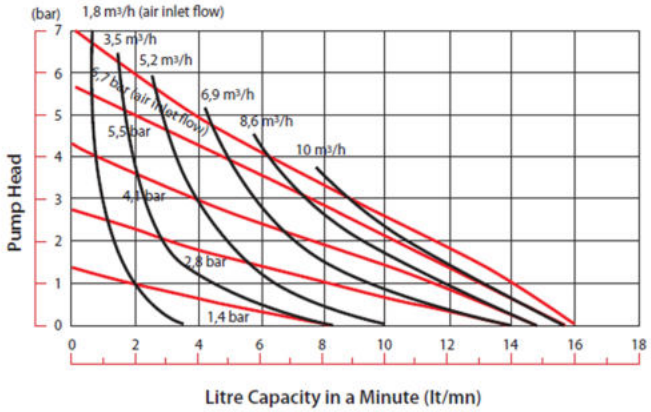
Technical Specifications

Model	(lt/mn)	Input-Output (inch)	Pressure (max. bar)	Altitude (max. m)	Depth (m)	Tempera-ture (°C)	Inlet	Permeability (mm)	Weight (kg)
VP 100 (1")	70	1"	7	140	6	–18 ~ +100	1/2"	4	10.0
VP 150 (1 1/2")	160	1 1/2"	7	140	6	–18 ~ +100	3/4"	6	27.0
VP 200 (2")	200	2"	7	140	6	–18 ~ +100	3/4"	6	34.0
VP 300 (3")	360	3"	7	140	6	–18 ~ +100	3/4"	8	55.0

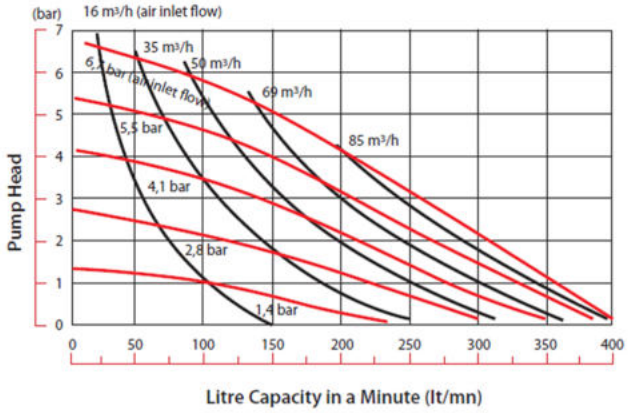



Performance Curves

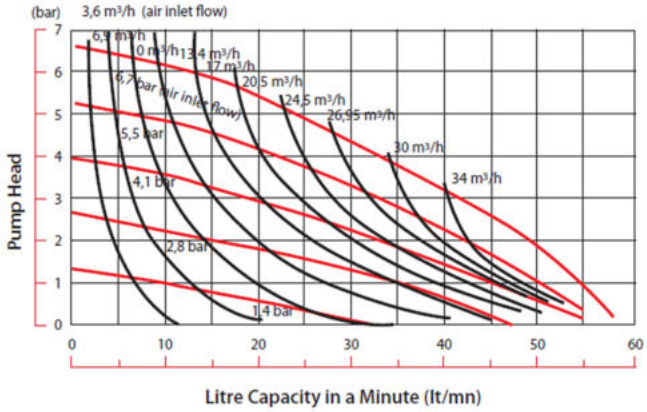
VP 02 (1/4") Diaphrgram Pump Performance Curve



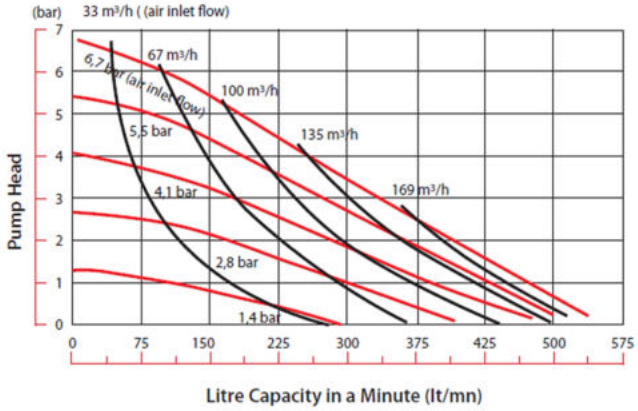
VP 15 (1 1/2") Diaphrgram Pump Performance Curve



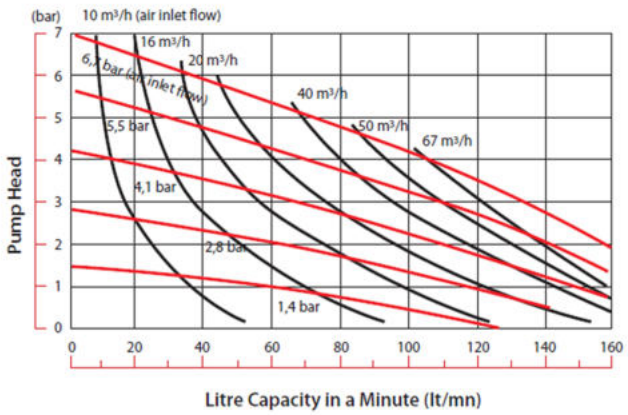
VP 05 (3/4") Diaphrgram Pump Performance Curve



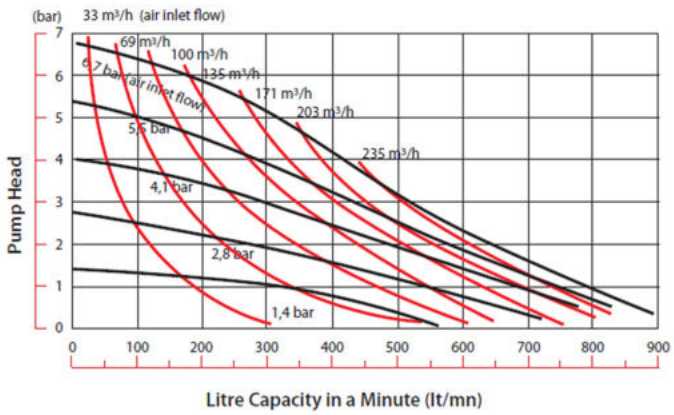
VP 20 (2") Diaphrgram Pump Performance Curve



VP 10 (1") Diaphrgram Pump Performance Curve



VP 30 (3 ") Diaphrgram Pump Performance Curve



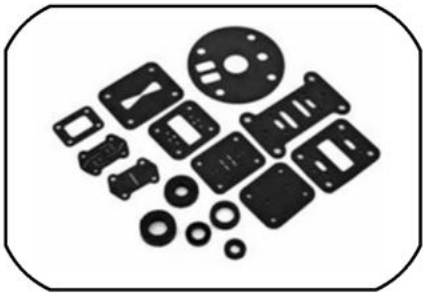
Spare Parts

Diaphragms

Inner Diaphragm Holder

Outer Diaphragm Holder

Sleeve and Spool Seat

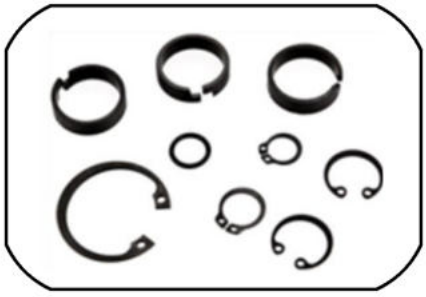


Gaskets

Air Vent

Air and Pilot Valve Repair Kit

Diaphragm Road



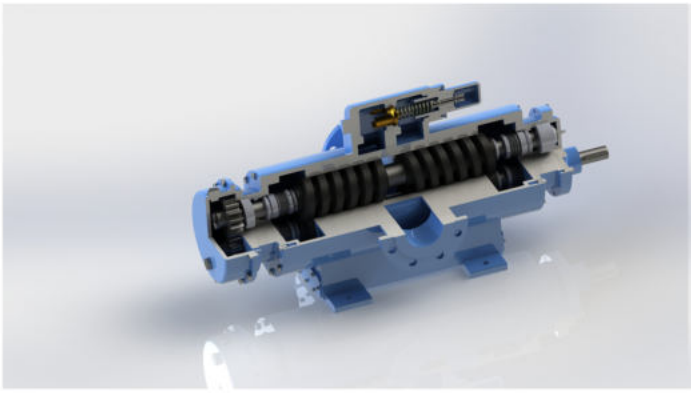
Piston Rings

Muffler

Check Balls

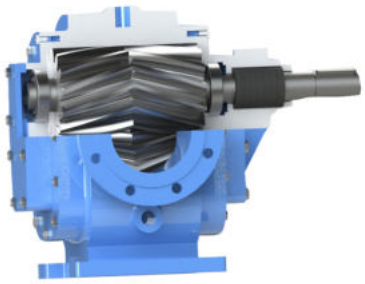
Ball Seat

Twin Screw Pumps



Max. Capacity 250 м3/h
Max. Pressure 40 bar
Max. Temperature 180 C

External Gear Pumps



Max. Capacity 600 м3/h
Max. Pressure 15 bar
Max. Temperature 180 C

Hot Oil Pumps

Max. Capacity 350 м3/h
Max. Pressure 9 bar
Max. Temperature 350 C

Vesta Pump Head Office

Address: Yeşilbağlar Mh. Selvili Sk. No:2 Helis Beyaz Ofis Kat:7
Pendik / İstanbul / Turkey
Tel : [+90] 216 518 44 40
Faks: [+90] 216 518 44 40
E-mail : vesta@vestapump.com