



DIAPHRAGM PUMPS

RELIABLE PERFORMANCE.
BUILT TO LAST.



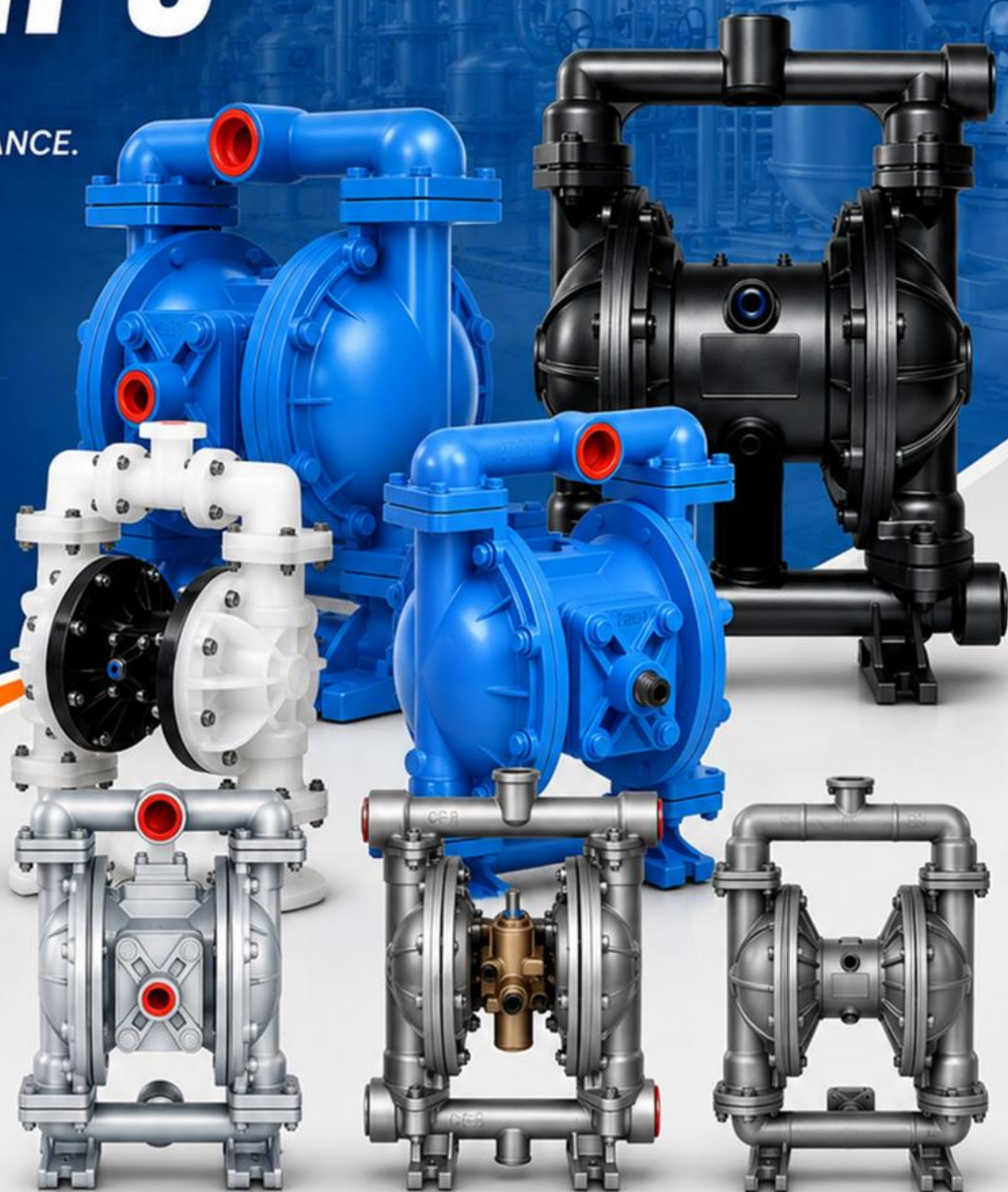
HIGH DURABILITY
& RELIABILITY



CHEMICAL
RESISTANT



EASY MAINTENANCE
& OPERATION



INDUSTRIAL
GRADE



WIDE RANGE OF
APPLICATIONS



QUALITY
ASSURED

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NON-METAL PNEUMATIC DIAPHRAGM PUMPS



Non-Metal Pneumatic Diaphragm Pumps are air-operated diaphragm pumps powered by compressed air and constructed from non-metallic materials such as Polypropylene (PP), PVDF, PTFE, and other engineered plastics. These pumps are designed to transfer a wide range of fluids, particularly corrosive chemicals, viscous liquids, slurries, and industrial wastewater, safely and efficiently without the need for an electric motor.



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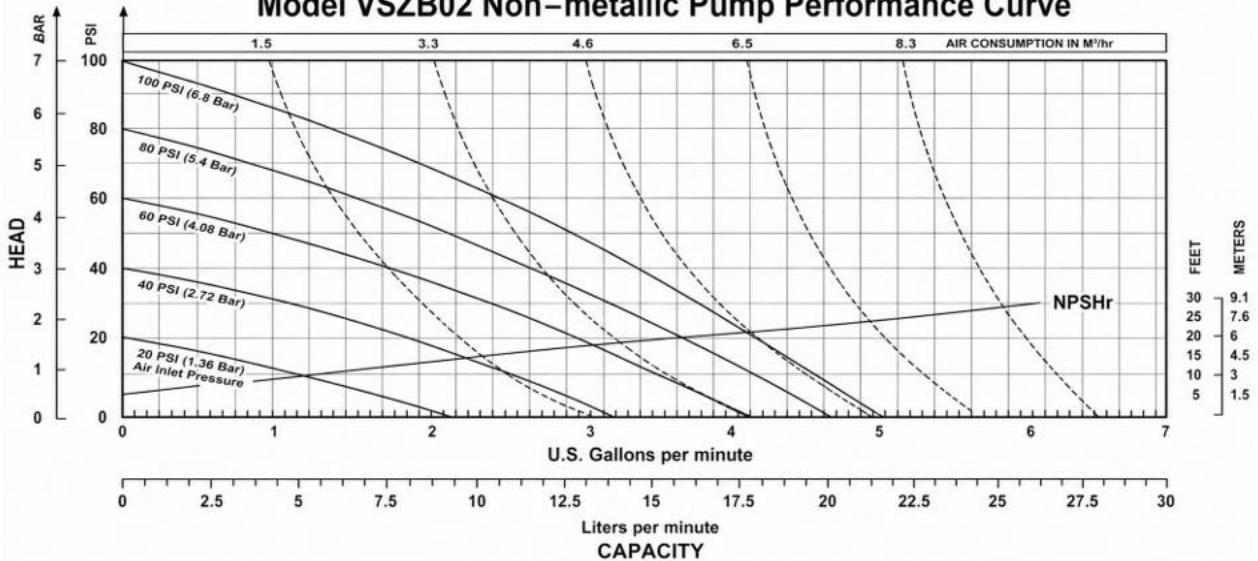
TYPE VSZB02



Technical Specifications

Maximum Flow Rate	18.1 LPM (4.8 GPM)
Port Connection	NPT / BSPT
Maximum Working Pressure	102 PSI (7 Bar)
Maximum Solid Passage	0.4 mm
Wetted Parts Material	PP / PVDF
Suction Lift	2.74 m (Dry) / 9.45 m (Wet)

Model VSZB02 Non-metallic Pump Performance Curve





NON-METAL PNEUMATIC DIAPHRAGM PUMPS

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HIGH RELIABILITY
 HIGH QUALITY
 HIGH PERFORMANCE

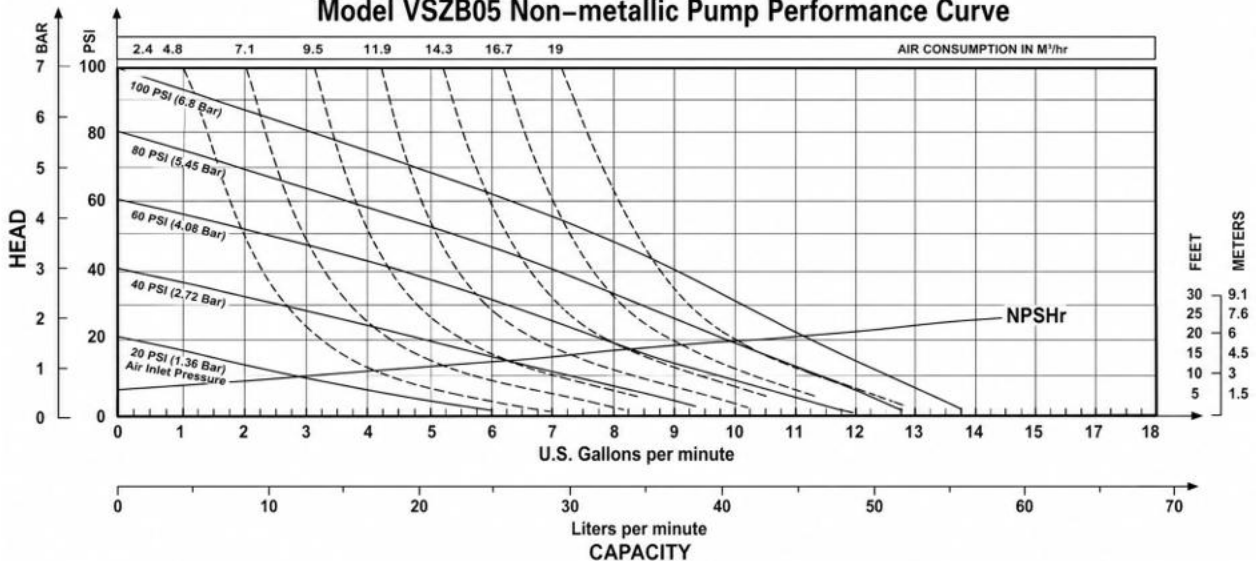
TYPE VSZB05



Technical Specifications

Maximum Flow Rate	56 LPM (15 GPM)
Port Connection	NPT / BSPT
Maximum Working Pressure	102 PSI (7 Bar)
Maximum Solid Passage	3 mm
Wetted Parts Material	PP / PVDF
Suction Lift	4.12 m (Dry) / 7.62 m (Wet)

Model VSZB05 Non-metallic Pump Performance Curve





NON-METAL PNEUMATIC DIAPHRAGM PUMPS

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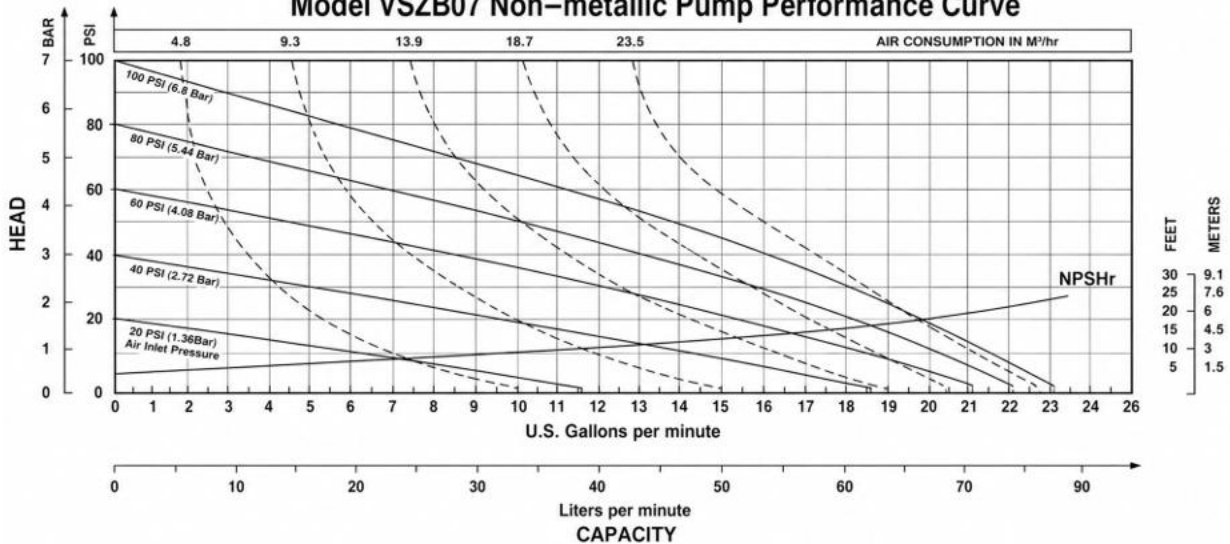
TYPE VSZB07



Technical Specifications

Maximum Flow Rate	90 LPM (24 GPM)
Port Connection	NPT / BSPT
Maximum Working Pressure	102 PSI (7 Bar)
Maximum Solid Passage	3 mm
Wetted Parts Material	PP / PVDF
Suction Lift	4.12 m (Dry) / 7.62 m (Wet)

Model VSZB07 Non-metallic Pump Performance Curve





NON-METAL PNEUMATIC DIAPHRAGM PUMPS

Non-Metal Pneumatic Diaphragm Pumps are air-operated diaphragm pumps powered by compressed air and constructed from non-metallic materials such as Polypropylene (PP), PVDF, PTFE, and other engineered plastics. These pumps are designed to transfer a wide range of fluids, particularly corrosive chemicals, viscous liquids, slurries, and industrial wastewater, safely and efficiently without the need for an electric motor.

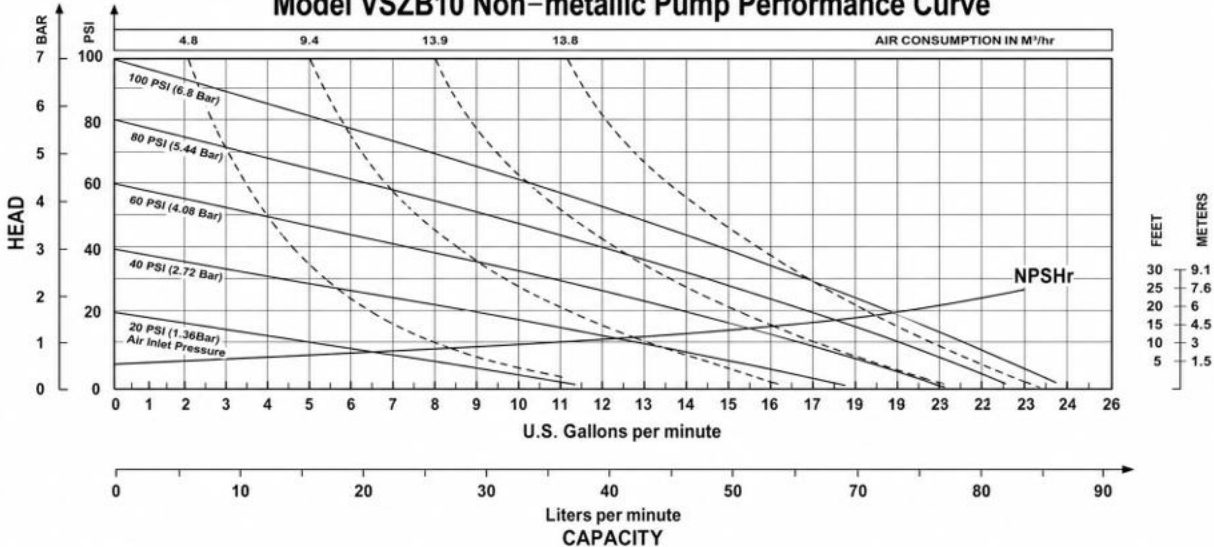
HIGH RELIABILITY
 HIGH QUALITY
 HIGH PERFORMANCE

TYPE VSZB10



Technical Specifications	
Maximum Flow Rate	90 LPM (24 GPM)
Port Connection	ANSI Flange
Maximum Working Pressure	102 PSI (7 Bar)
Maximum Solid Passage	3 mm
Wetted Parts Material	PP / PVDF
Suction Lift	4.57 m (Dry) / 7.62 m (Wet)

Model VSZB10 Non-metallic Pump Performance Curve





NON-METAL PNEUMATIC DIAPHRAGM PUMPS

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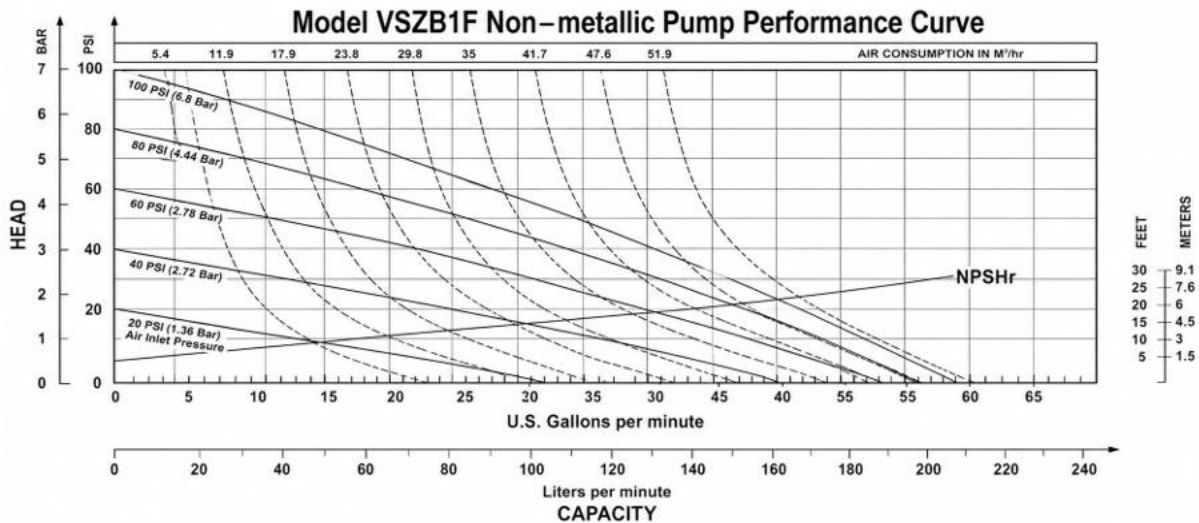
HIGH RELIABILITY
 HIGH QUALITY
 HIGH PERFORMANCE

TYPE VSZB1F



Technical Specifications

Maximum Flow Rate	200 LPM (53 GPM)
Port Connection	Flange
Maximum Working Pressure	102 PSI (7 Bar)
Maximum Solid Passage	6 mm
Wetted Parts Material	PP / PVDF
Suction Lift	4.57 m (Dry) / 7.62 m (Wet)





NON-METAL PNEUMATIC DIAPHRAGM PUMPS

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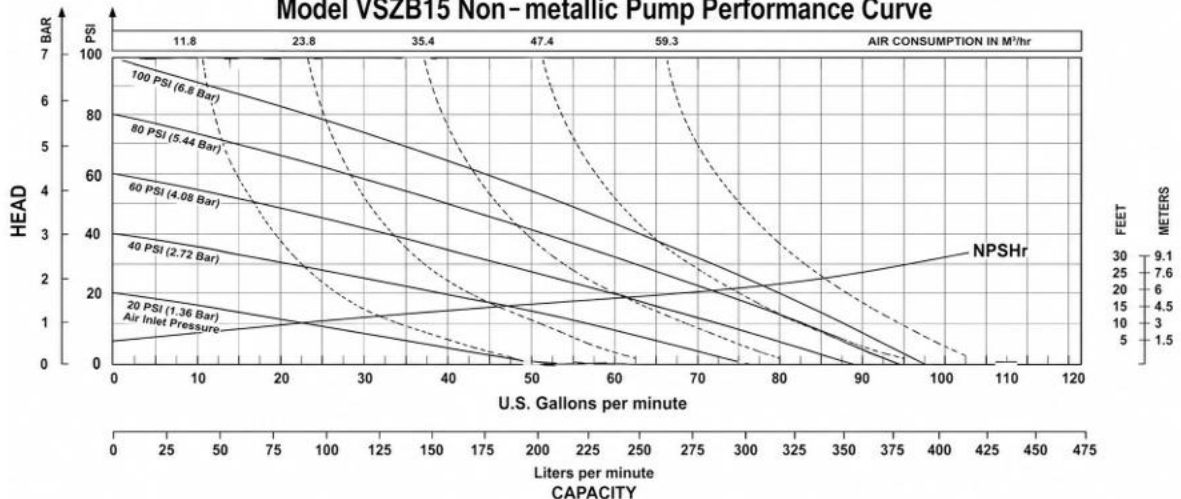
TYPE VSZB15



Technical Specifications

Maximum Flow Rate	401 LPM (106 GPM)
Port Connection	Flange
Maximum Working Pressure	102 PSI (7 Bar)
Maximum Solid Passage	12 mm
Wetted Parts Material	PP / PVDF
Suction Lift	4.4 m (Dry) / 7.62 m (Wet)

Model VSZB15 Non-metallic Pump Performance Curve





NON-METAL PNEUMATIC DIAPHRAGM PUMPS

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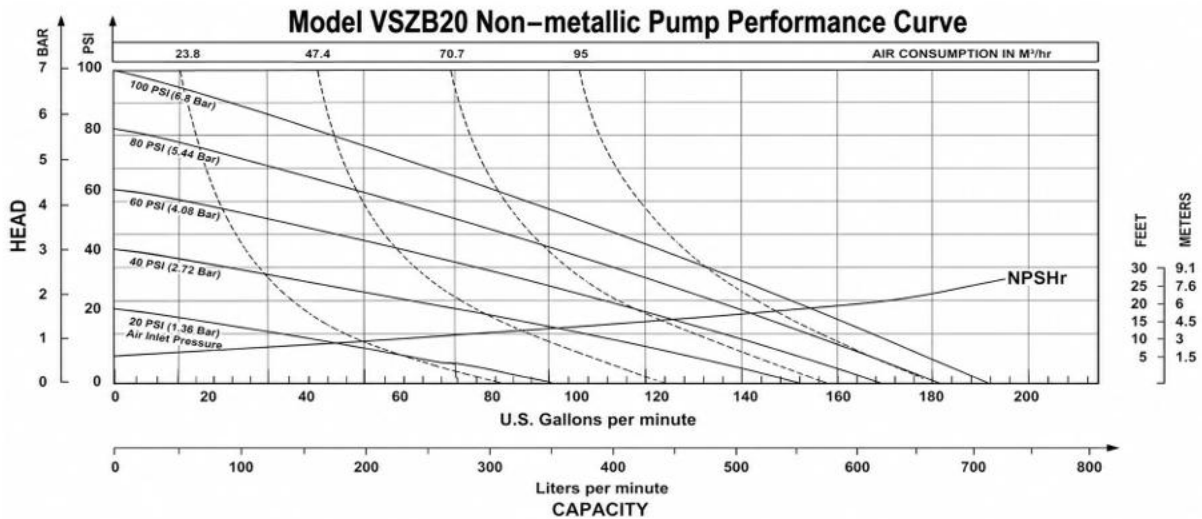


TYPE VSZB20



Technical Specifications

Maximum Flow Rate	609 LPM (161 GPM)
Port Connection	Flange
Maximum Working Pressure	102 PSI (7 Bar)
Maximum Solid Passage	17 mm
Wetted Parts Material	PP / PVDF
Suction Lift	6.5 m (Dry) / 7.62 m (Wet)



METALIC

DIAPHRAGM PUMPS



Non-Metal Pneumatic Diaphragm Pumps are air-operated diaphragm pumps powered by compressed air and constructed from non-metallic materials such as Polypropylene (PP), PVDF, PTFE, and other engineered plastics. These pumps are designed to transfer a wide range of fluids, particularly corrosive chemicals, viscous liquids, slurries, and industrial wastewater, safely and efficiently without the need for an electric motor.

METALIC DIAPHRAGM PUMPS

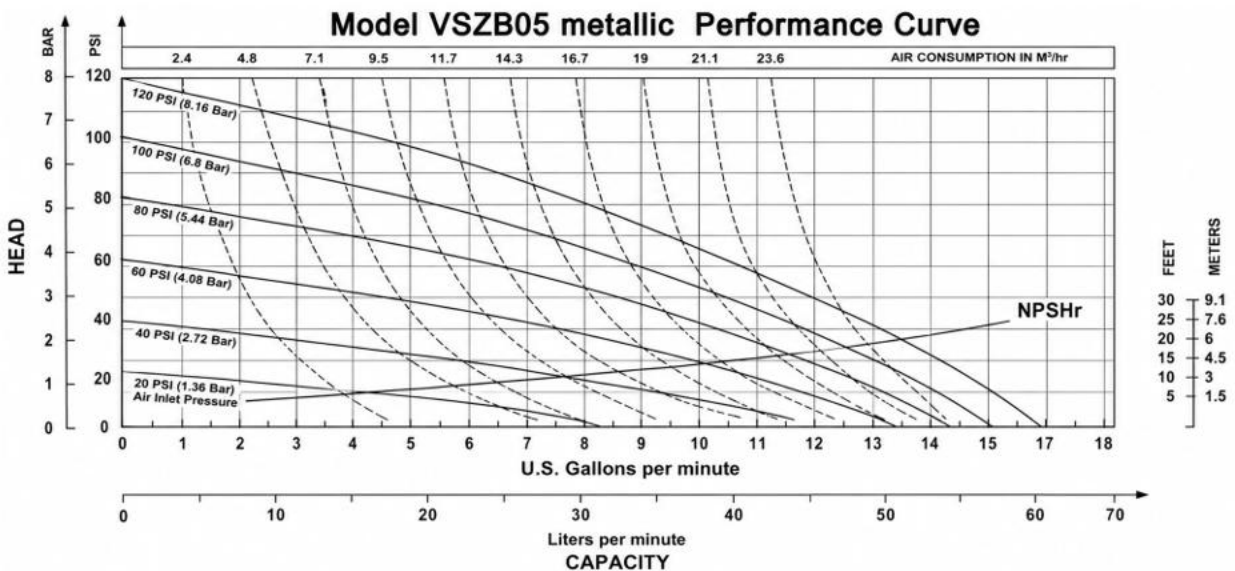
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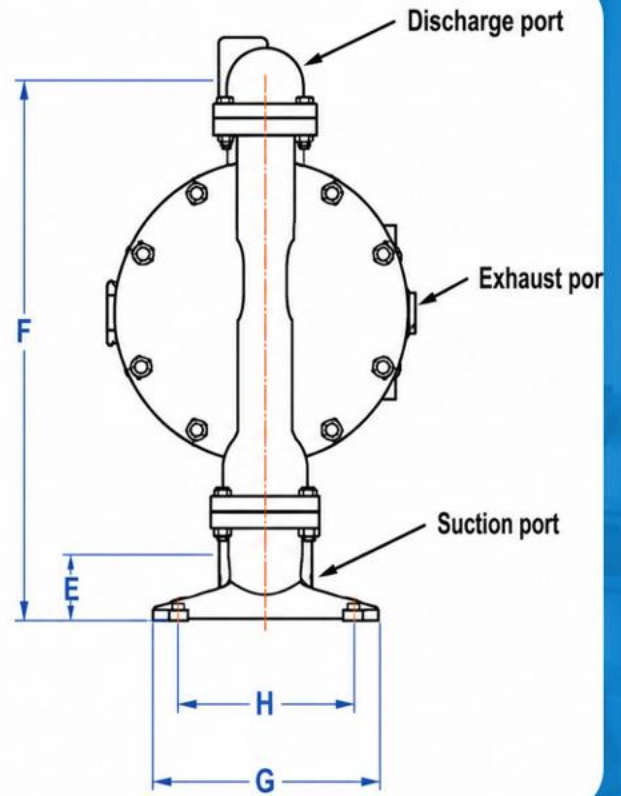
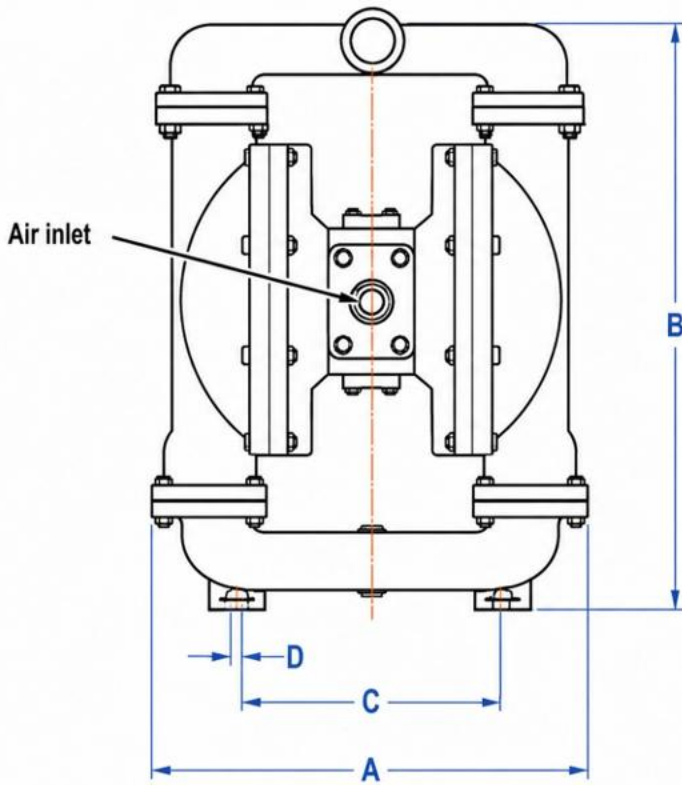
HIGH RELIABILITY
 HIGH QUALITY
 HIGH PERFORMANCE

TYPE VSZB05

Technical Specifications	
Maximum Flow Rate	60 LPM (16 GPM)
Port Connection	NPT / BSPT
Maximum Working Pressure	125 PSI (8.6 Bar)
Maximum Solid Passage	3 mm
Wetted Parts Material	Cast Iron / Aluminum / Stainless Steel
Suction Lift	4.15 m (Dry) / 7.62 m (Wet)



DIMENSION



Pump Model		VSZB05NM	
Port Size		1/2" NPT/BSPT (internal) 1" NPT/BSPT (internal)	
Air Inlet Size		1/4" NPT	
Exhaust Port Size		3/8" NPT	
A	mm inches	26010.2"	
B	mm inches	26310.4"	
C	mm inches	1837.2"	
D	mm inches	100.4"	
E	mm inches	331.3"	
F	mm inches	2479.7"	
G	mm inches	1566.1"	
H	mm inches	1405.52"	
I	Standard Muffler	mm inches	1867.3
	Metal Muffler	mm inches	2198.6"
Weight (lb/Kg)		SS:25/11.2	



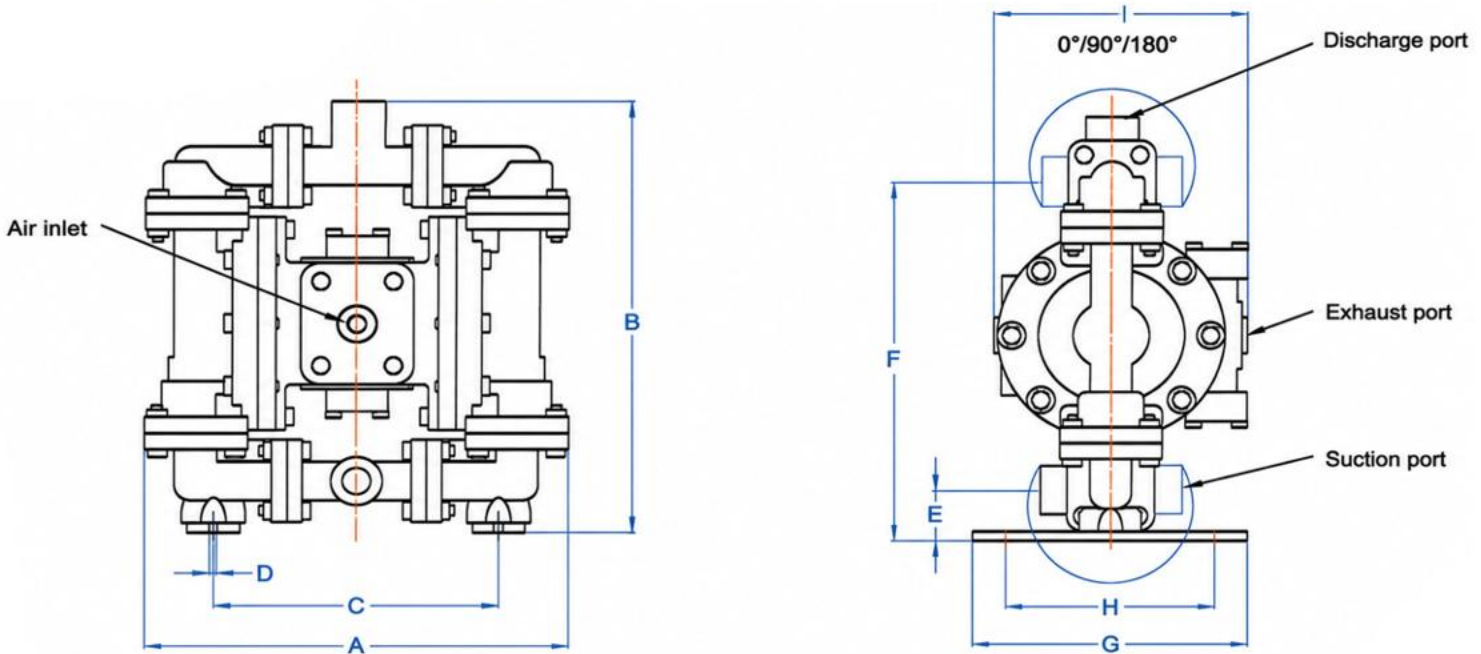
METALIC DIAPHRAGM PUMPS

Non-Metal Pneumatic Diaphragm Pumps are air-operated diaphragm pumps powered by compressed air and constructed from non-metallic materials such as Polypropylene (PP), PVDF, PTFE, and other engineered plastics. These pumps are designed to transfer a wide range of fluids, particularly corrosive chemicals, viscous liquids, slurries, and industrial wastewater, safely and efficiently without the need for an electric motor.

HIGH RELIABILITY
 HIGH QUALITY
 HIGH PERFORMANCE



TYPE VSZB05AL



Pump Model	Port Size	Air Inlet Size	Exhaust Port Size	A	B	C	D	E	F	G	H	Standard Muffler mm inches	Metal Muffler mm inches	Weight
	Inches			mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches			
VSZB05AL	1/2" NPT/BSPT (internal)	Inches	3/8" NPT	26010.25"	29211.5"	1847.3"	80.3"	341.3"	2479.7"	1726.75"	1405.5"	1807.8"	2198.6"	AL:18/8
	1" NPT/BSPT (internal)			1/4" NPT										

METALIC DIAPHRAGM PUMPS

Non-Metal Pneumatic Diaphragm Pumps are air-operated diaphragm pumps powered by compressed air and constructed from non-metallic materials such as Polypropylene (PP), PVDF, PTFE, and other engineered plastics. These pumps are designed to transfer a wide range of fluids, particularly corrosive chemicals, viscous liquids, slurries, and industrial wastewater, safely and efficiently without the need for an electric motor.

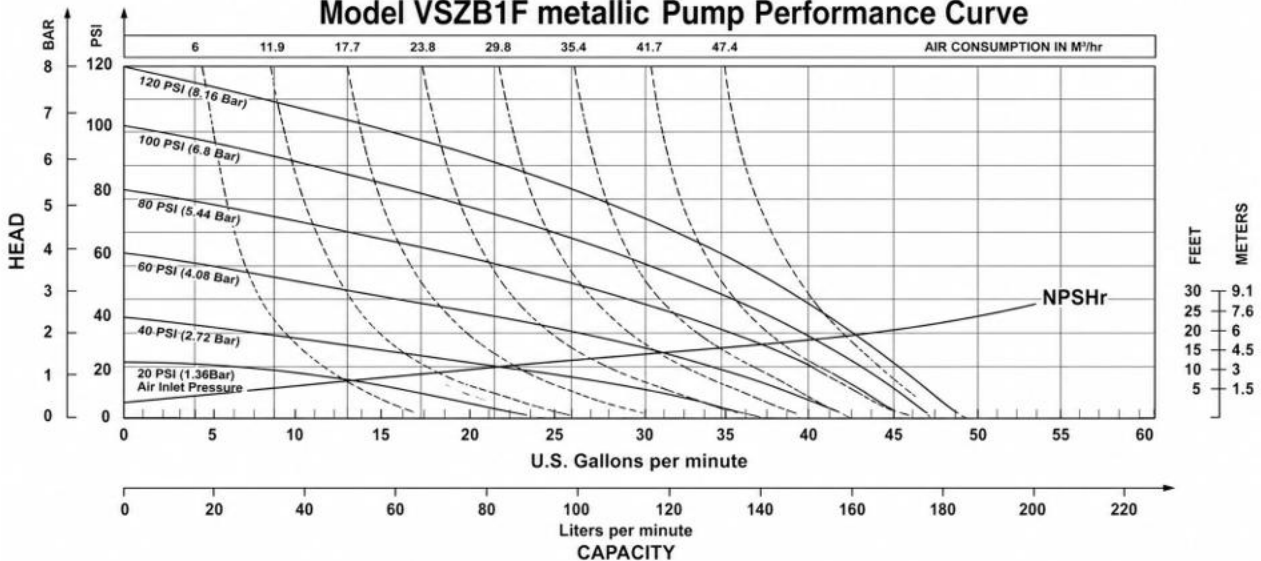


- HIGH RELIABILITY**
- HIGH QUALITY**
- HIGH PERFORMANCE**

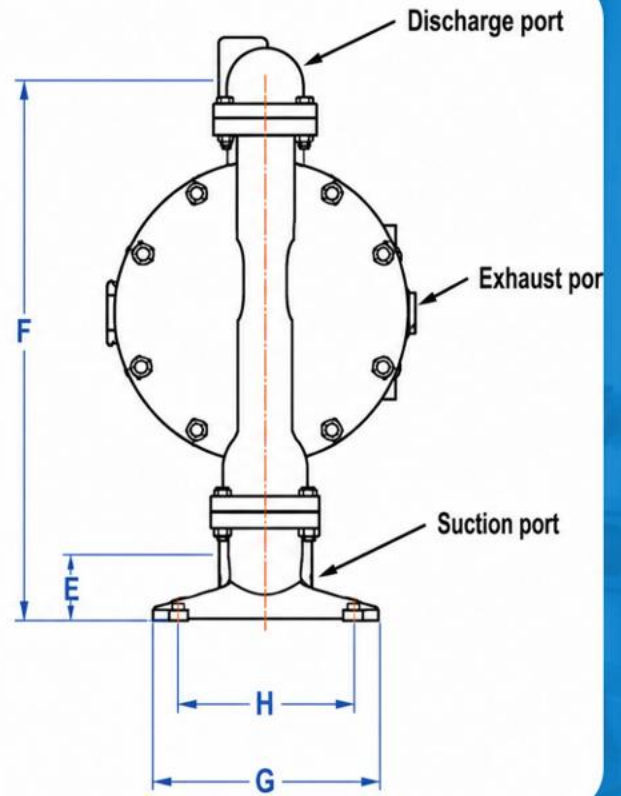
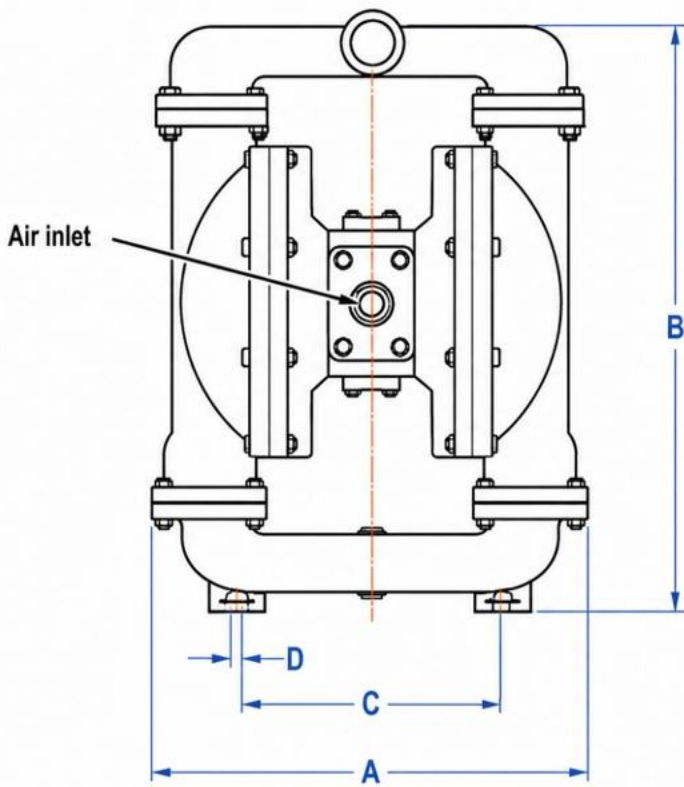
TYPE VSZB1F

Technical Specifications	
Maximum Flow Rate	174 LPM (46 GPM)
Port Connection	NPT / BSPT
Maximum Working Pressure	125 PSI (8.6 Bar)
Maximum Solid Passage	6 mm
Wetted Parts Material	Cast Iron / Aluminum / Stainless Steel
Suction Lift	4.57 m (Dry) / 7.62 m (Wet)

Model VSZB1F metallic Pump Performance Curve



DIMENSION



Pump Model		VSZB1FNM	
Port Size		1"NPT/BSPT	
Air Inlet Size		1/2"NPT	
Exhaust Port Size		1"NPT	
A	mm inches	26010.2"	
B	mm inches	32612.8"	
C	mm inches	1726.8"	
D	mm inches	80.32"	
E	mm inches	311.2"	
F	mm inches	30412.0"	
G	mm inches	1275"	
H	mm inches	963.8"	
I	Standard Muffler	mm inches	26410.4"
	Metal Muffler	mm inches	31912.6"
Weight (lb/Kg)		AL:25.1/11.4 CI:43.1/19.5 SS:40.6/18.1	



METALIC DIAPHRAGM PUMPS

Non-Metal Pneumatic Diaphragm Pumps are air-operated diaphragm pumps powered by compressed air and constructed from non-metallic materials such as Polypropylene (PP), PVDF, PTFE, and other engineered plastics. These pumps are designed to transfer a wide range of fluids, particularly corrosive chemicals, viscous liquids, slurries, and industrial wastewater, safely and efficiently without the need for an electric motor.

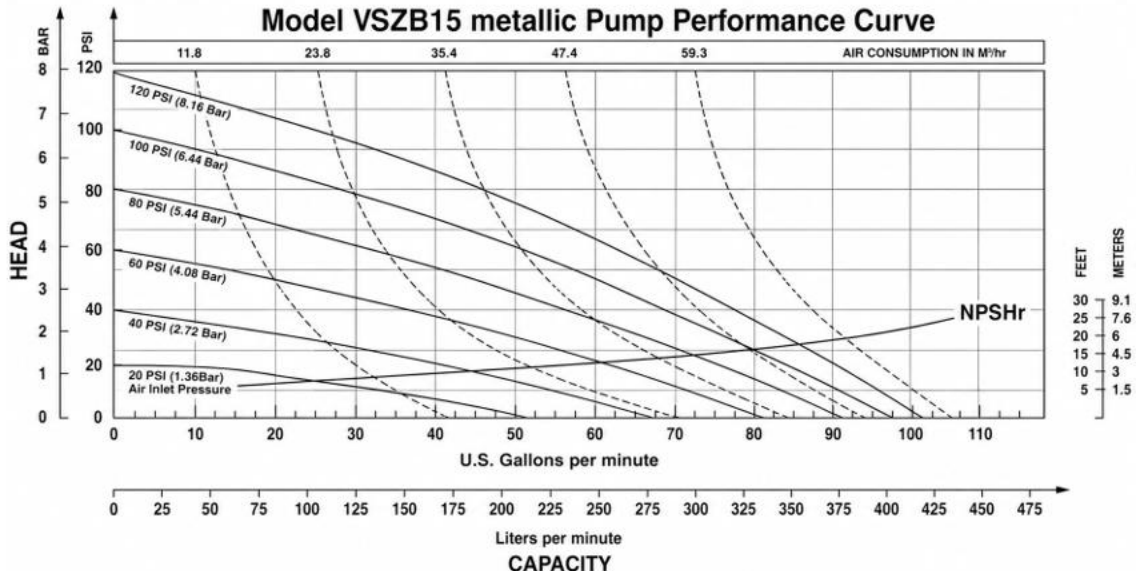


- HIGH RELIABILITY**
- HIGH QUALITY**
- HIGH PERFORMANCE**

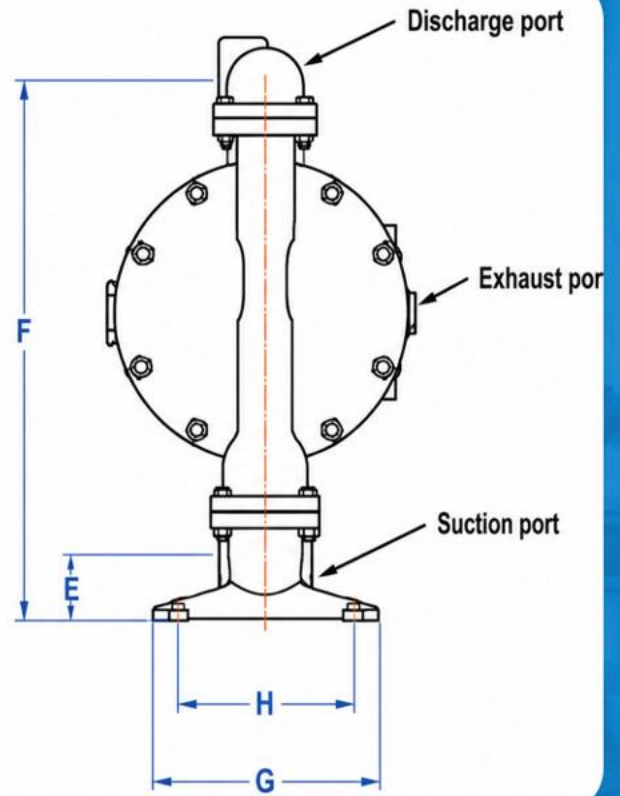
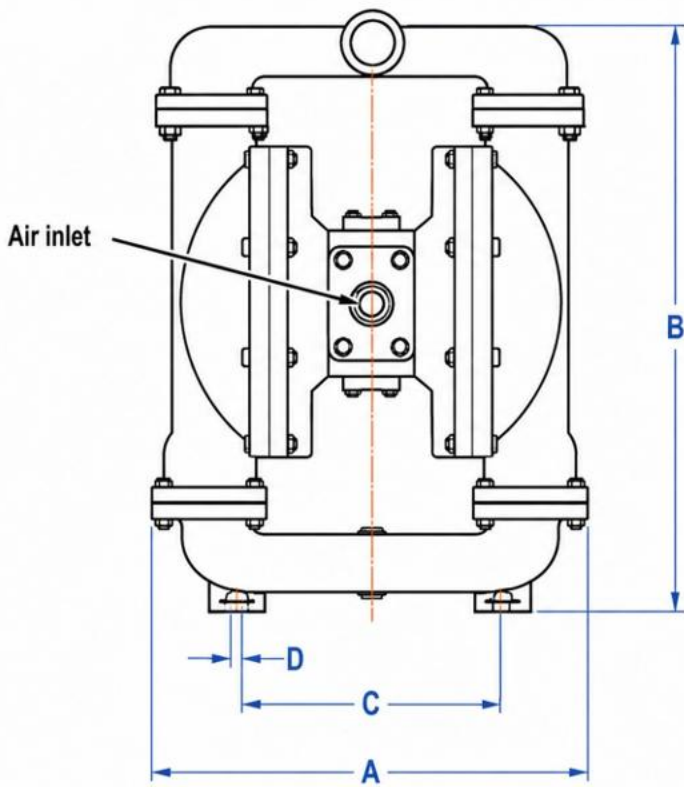
TYPE VSZB15

Technical Specifications

Maximum Flow Rate	430 / 114
Port Connection	NPT/BSPT
Maximum Working Pressure	125 / 8.6
Maximum Solid Passage	6
Wetted Parts Material	Cast Iron / Aluminum / Stainless Steel
Suction Lift	5.3 (Dry) / 7.6 (Wet)



DIMENSION



Pump Model		VSZB15NM	
Port Size		1.5"NPT/BSPT	
Air Inlet Size		3/4"NPT	
Exhaust Port Size		1"NPT	
A	mm inches	42316.7"	
B	mm inches	55922"	
C	mm inches	2519.9"	
D	mm inches	130.5"	
E	mm inches	542.1"	
F	mm inches	52620.7"	
G	mm inches	2038"	
H	mm inches	1787"	
I	Standard Muffler	mm inches	31412.4"
	Metal Muffler	mm inches	36814.5"
Weight (lb/Kg)		AL:60.4/27.4 CI:105.8/48 SS:103.6/47	



METALIC DIAPHRAGM PUMPS

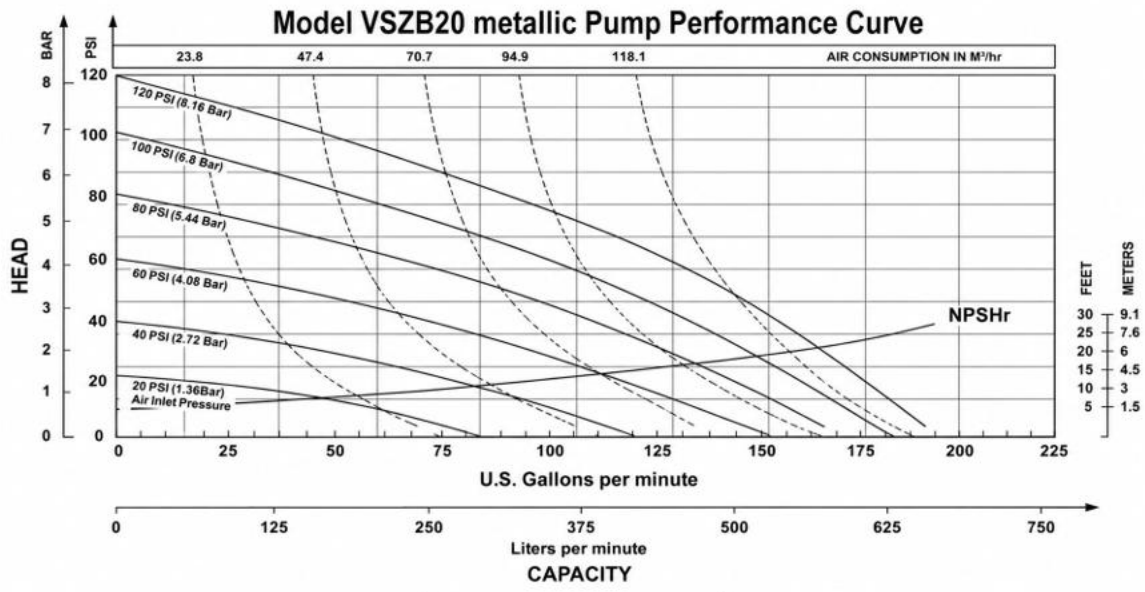
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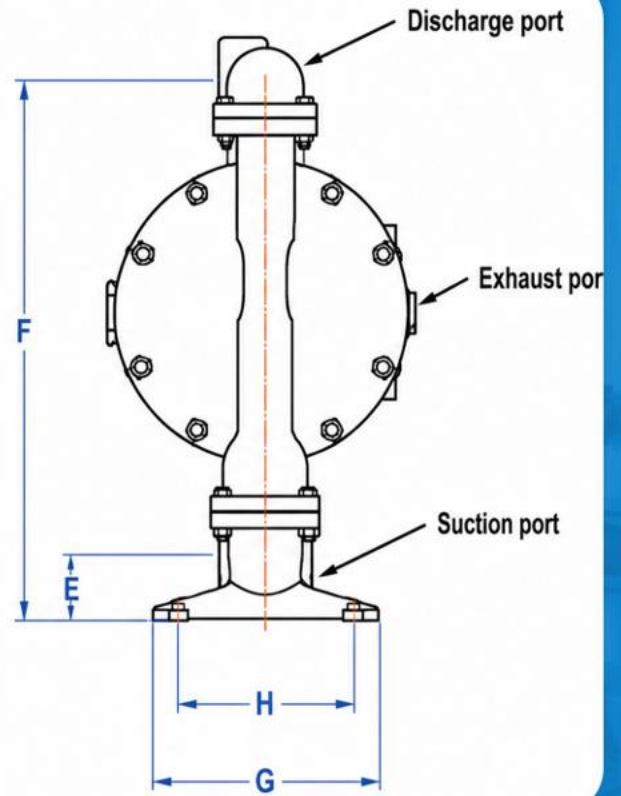
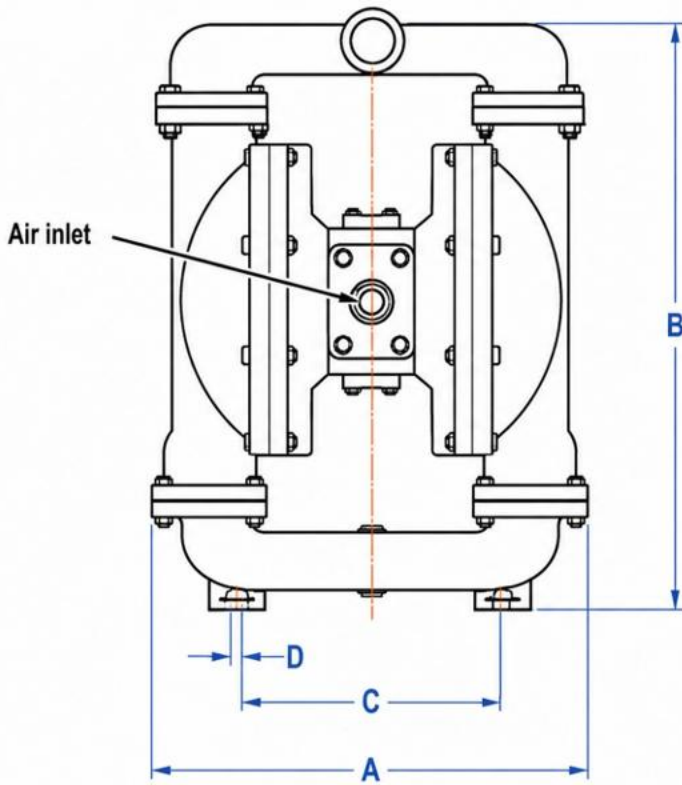
- HIGH RELIABILITY
- HIGH QUALITY
- HIGH PERFORMANCE

TYPE VSZB20

Technical Specifications	
Maximum Flow Rate	690 / 182
Port Connection	NPT/BSPT
Maximum Working Pressure	125 / 8.6
Maximum Solid Passage	6
Wetted Parts Material	Cast Iron / Aluminum / Stainless Steel
Suction Lift	6.10 (Dry) / 7.62 (Wet)



DIMENSION



Pump Model			VSZB20NM
Port Size			2"NPT/BSPT
Air Inlet Size			3/4"NPT
Exhaust Port Size			1"NPT
A	mm	inches	42816.9"
B	mm	inches	66926.3"
C	mm	inches	25610.1"
D	mm	inches	130.5"
E	mm	inches	512"
F	mm	inches	61324.8"
G	mm	inches	25410"
H	mm	inches	2289"
I	Standard Muffler	mm inches	32012.6"
	Metal Muffler	mm inches	37314.7"
Weight (lb/Kg)			AL:73.8/33.5 CI:134.5/61 SS:123.5/56



METALIC DIAPHRAGM PUMPS

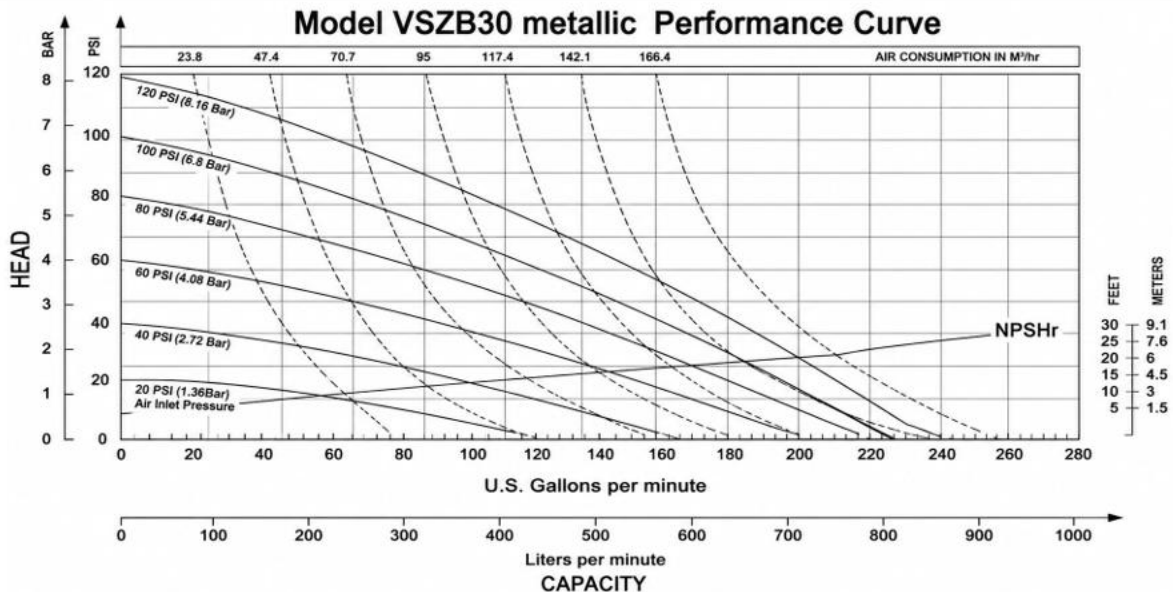
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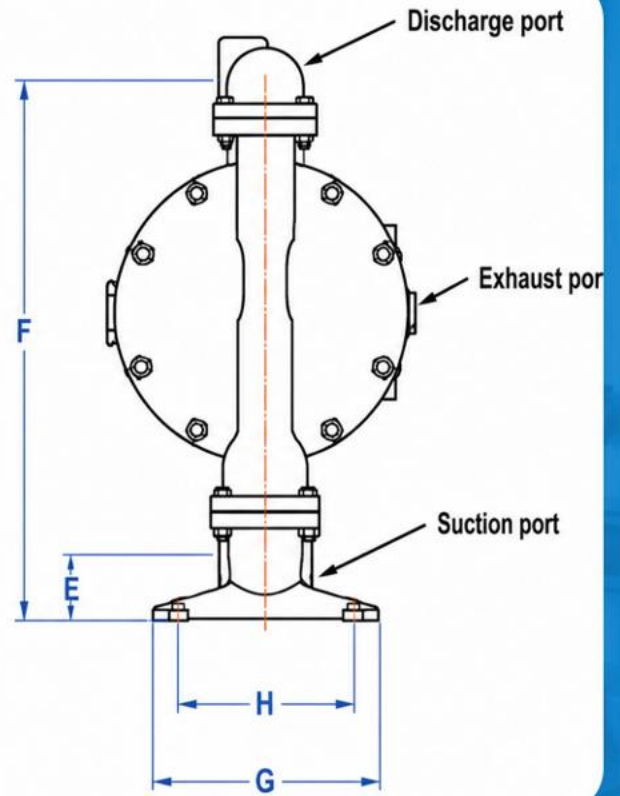
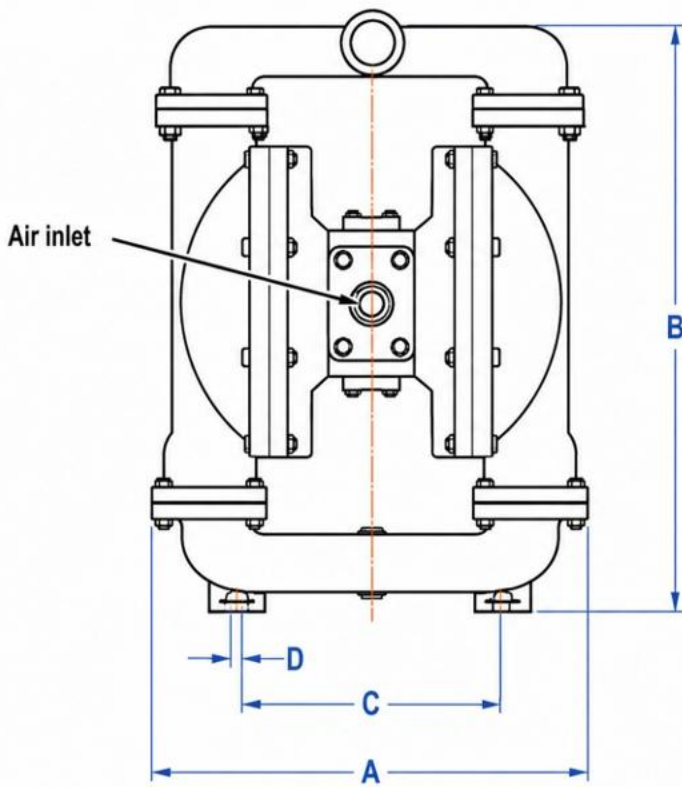
- HIGH RELIABILITY**
- HIGH QUALITY**
- HIGH PERFORMANCE**

TYPE VSZB30

Technical Specifications	
Maximum Flow Rate	968 / 256
Port Connection	NPT/BSPT
Maximum Working Pressure	125 / 8.6
Maximum Solid Passage	9.6
Wetted Parts Material	Cast Iron / Aluminum / Stainless Steel
Suction Lift	6.20 (Dry) / 7.62 (Wet)



DIMENSION



Pump Model		VSZB30NM	
Port Size		3"NPT/BSPT	
Air Inlet Size		3/4"NPT	
Exhaust Port Size		1"NPT	
A	mm inches	49919.6"	
B	mm inches	81532.1"	
C	mm inches	30512"	
D	mm inches	171.66"	
E	mm inches	602.4"	
F	mm inches	76130.0"	
G	mm inches	29811.7"	
H	mm inches	25810.2"	
I	Standard Muffler	mm inches	40015.75"
	Metal Muffler	mm inches	42516.75"
Weight (lb/Kg)		AL:121.3/55 CI:224.9/102 SS:216.1/98	

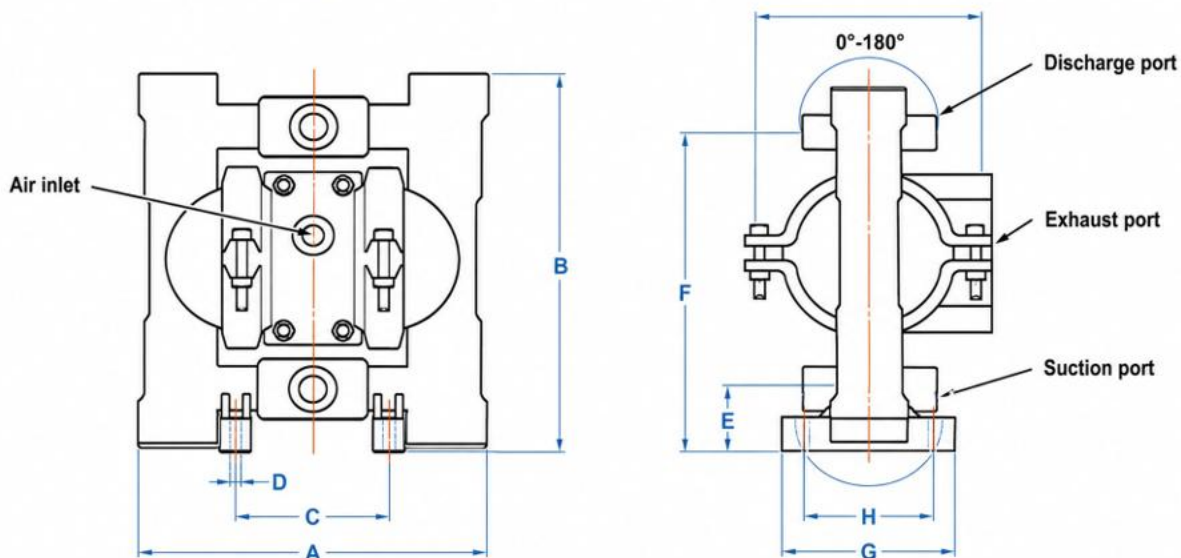


NON-METAL METALLIC DIAPHRAGM PUMPS

Non-Metal Pneumatic Diaphragm Pumps are air-operated diaphragm pumps powered by compressed air and constructed from non-metallic materials such as Polypropylene (PP), PVDF, PTFE, and other engineered plastics. These pumps are designed to transfer a wide range of fluids, particularly corrosive chemicals, viscous liquids, slurries, and industrial wastewater, safely and efficiently without the need for an electric motor.

HIGH RELIABILITY
 HIGH QUALITY
 HIGH PERFORMANCE

TYPE VSZB02



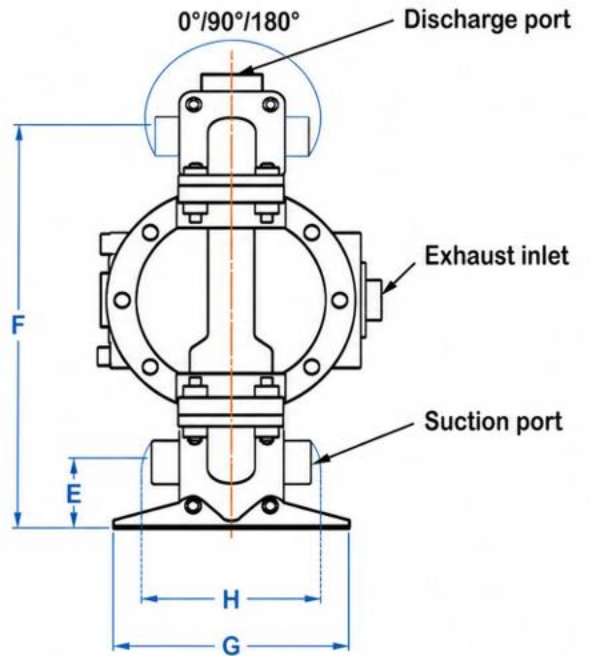
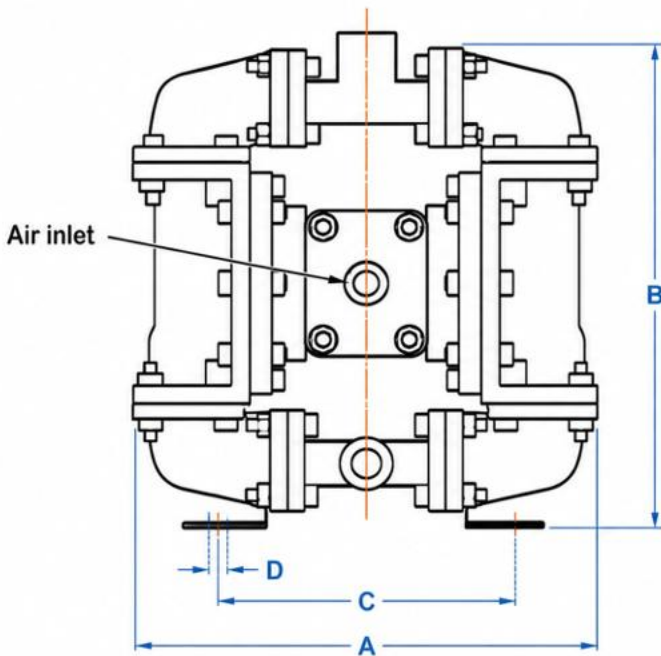
Pump Model	Port Size Inches	Air Inlet Size Inches	Exhaust Port Size Inches	A	B	C	D	E	F	G	H	I		Weight
				mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	Standard Muffler mm inches	Metal Muffler mm inches	
VSZB05N M	1/2" NPT/BSP T (Internal)	1/4" NPT	3/8" NPT	25710.1 "	29311.5 "	1666.6 "	90.36 "	361.4 "	2509.8 "	1425.6 "	923.6 "	181.17.1 "	2248.8 "	PP: 12.1/5. 5 PVDF: 13.9/6. 3

NON-METAL METALLIC DIAPHRAGM PUMPS

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HIGH RELIABILITY
 HIGH QUALITY
 HIGH PERFORMANCE

TYPE VSZB05



Pump Model	Port Size	Air Inlet Size	Exhaust Port Size	A	B	C	D	E	F	G	H	I		Weight
	Inches			mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	Standard Muffler	
VSZB05NM	1/2" NPT/BSPT (internal)	1/4" NPT	3/8" NPT	25710.1"	29311.5"	1666.6"	90.36"	361.4"	2509.8"	1425.6"	923.6"	181.17.1"	2248.8"	PP:12.1/5.5 PVDF:13.9/6.3
	1" NPT/BSPT (external)											mm inches	mm inches	

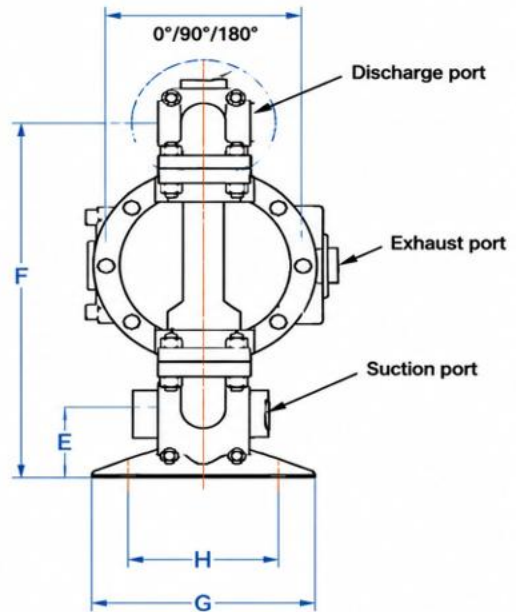
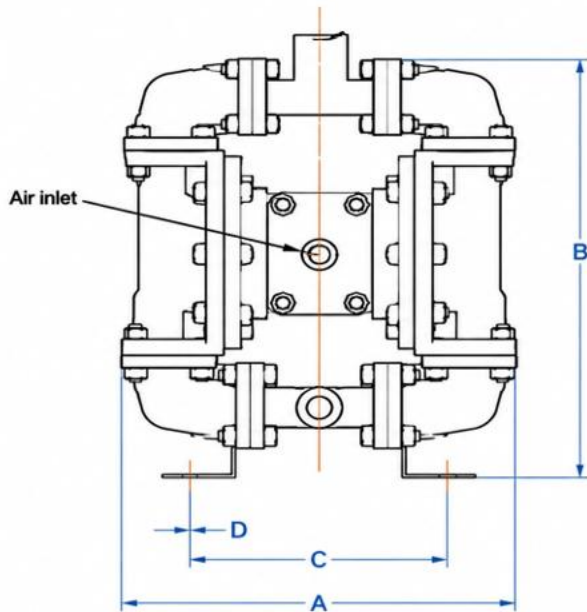
NON-METAL METALIC DIAPHRAGM PUMPS

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HIGH RELIABILITY
 HIGH QUALITY
 HIGH PERFORMANCE



TYPE VSZB07



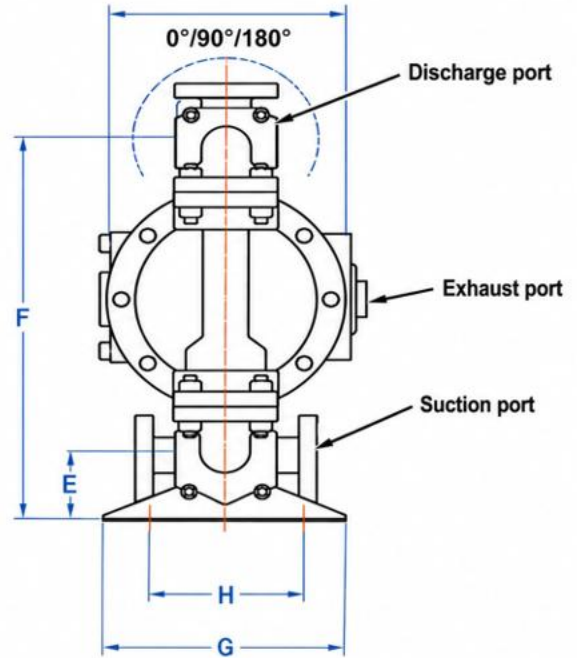
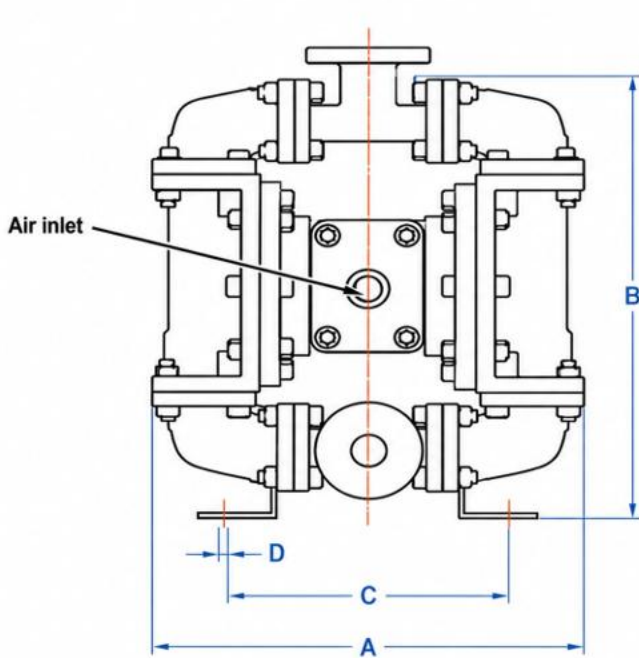
Pump Model	Port Size	Air Inlet Size	Exhaust Port Size	A	B	C	D	E	F	G	H	Standard Muffler	Metal Muffler	Weight
	Inches			mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches			
VSZB07N M	3/4"NPT/BSP T (internal)	Inches	3/8"NP T	30011.81	35714.06	1847.24	90.36	642.52	29711.69	1435.63	572.24	1797.05	2228.74	PP:13.7/6.2 PVDF:17.6/8
	1/2"NPT/BSP T (external)			"	"	"	"	"	"	"	"	"	"	

NON-METAL METALLIC DIAPHRAGM PUMPS

Non-Metal Pneumatic Diaphragm Pumps are air-operated diaphragm pumps powered by compressed air and constructed from non-metallic materials such as Polypropylene (PP), PVDF, PTFE, and other engineered plastics. These pumps are designed to transfer a wide range of fluids, particularly corrosive chemicals, viscous liquids, slurries, and industrial wastewater, safely and efficiently without the need for an electric motor.

HIGH RELIABILITY
 HIGH QUALITY
 HIGH PERFORMANCE

TYPE VSZB10



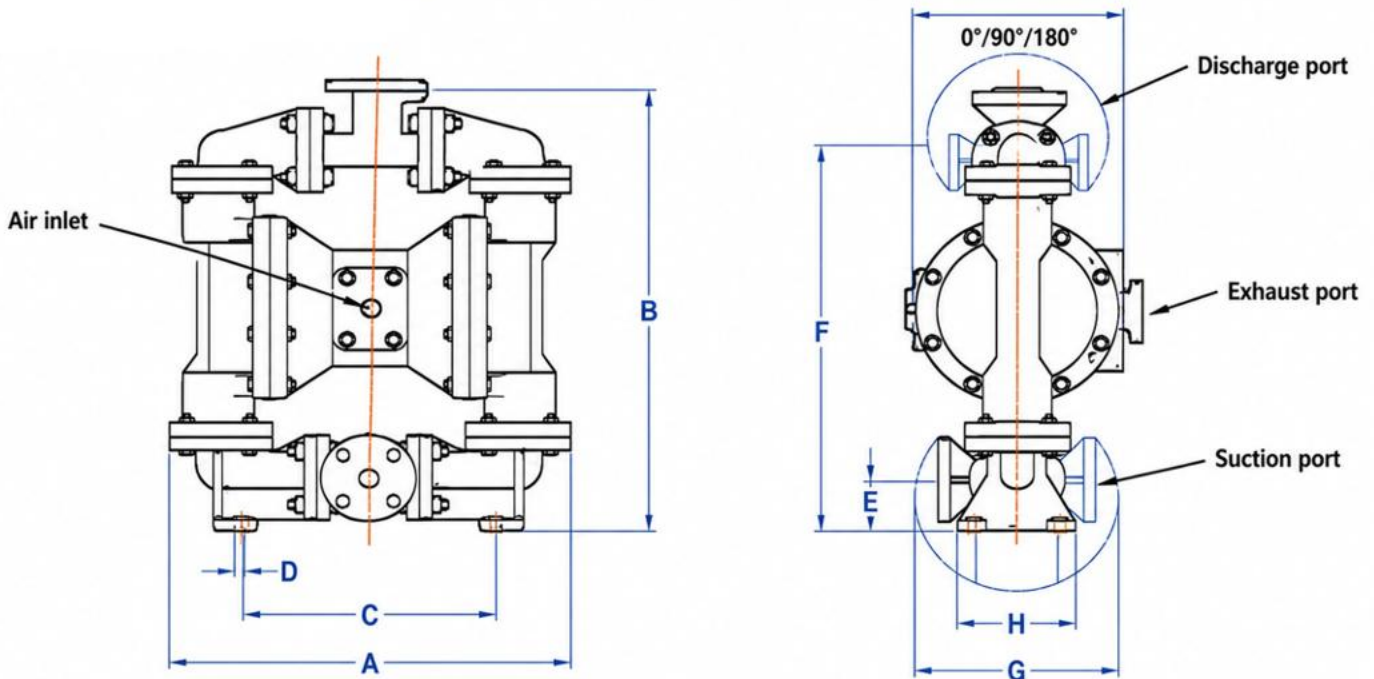
Pump Model	Port Size Inches	Air Inlet Size Inches	Exhaust Port Size Inches	A	B	C	D	E	F	G	H	Standard Muffler mm inches	Metal Muffler mm inches	Weight
				mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches			
VSZB10NM	1" ANSI Flange	1/4"NPT	3/8"NPT	30011.81"	38615.2"	1847.24"	90.36"	642.52"	29711.69"	1435.63"	572.24"	1797.05"	2228.74"	PP:13.7/6.2 PVDF:17.6/8

NON-METAL METALIC DIAPHRAGM PUMPS

Non-Metal Pneumatic Diaphragm Pumps are air-operated diaphragm pumps powered by compressed air and constructed from non-metallic materials such as Polypropylene (PP), PVDF, PTFE, and other engineered plastics. These pumps are designed to transfer a wide range of fluids, particularly corrosive chemicals, viscous liquids, slurries, and industrial wastewater, safely and efficiently without the need for an electric motor.



TYPE VSZB1F



Pump Model	Port Size		Air Inlet Size	Exhaust Port Size	A	B	C	D	E	F	G	I		Weight	
	Inches				mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches		mm inches
VSZB1FNM	1" Universal Flange	Inches	Inches	Inches	43317"	52720.75"	25910.2"	110.44"	632.5"	43317"	1305.1"	1124"	30011.8"	34313.5"	PP:40.6/18.4 PVDF:49.8/22.6
		1/2"NPT	1"NPT												



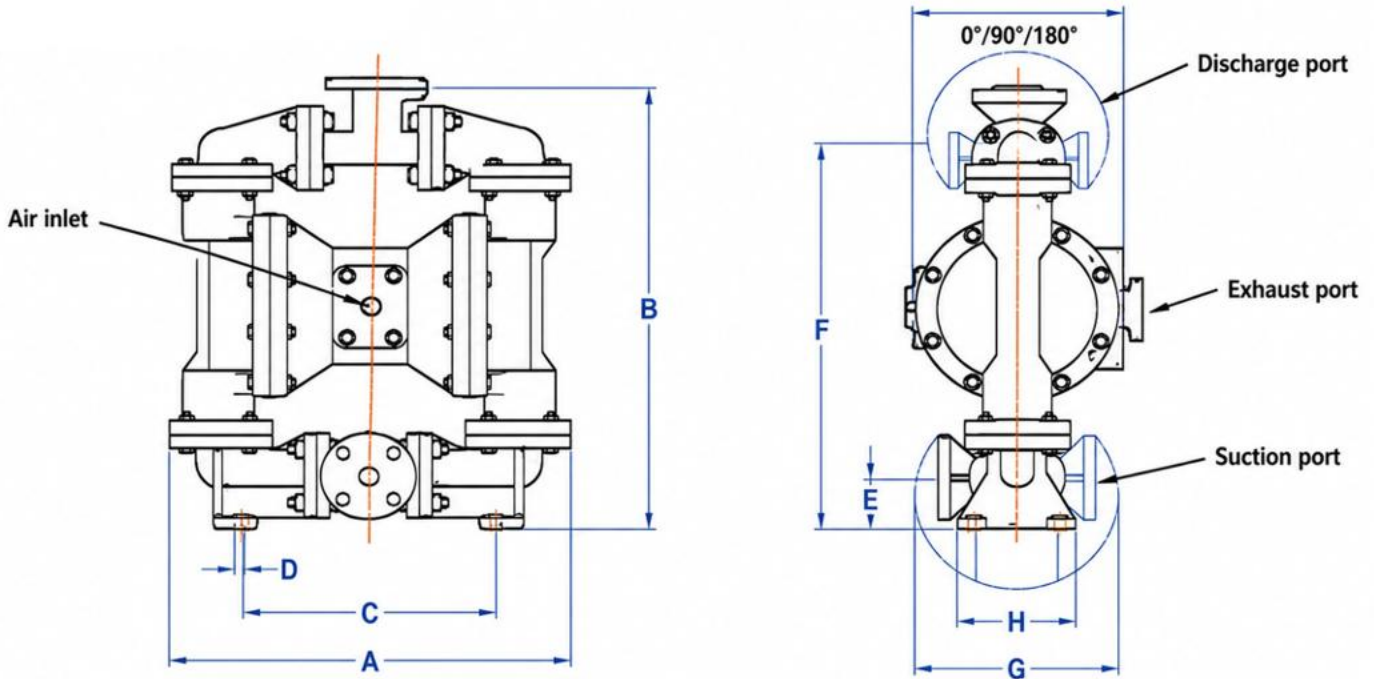
NON-METAL METALLIC DIAPHRAGM PUMPS

Non-Metal Pneumatic Diaphragm Pumps are air-operated diaphragm pumps powered by compressed air and constructed from non-metallic materials such as Polypropylene (PP), PVDF, PTFE, and other engineered plastics. These pumps are designed to transfer a wide range of fluids, particularly corrosive chemicals, viscous liquids, slurries, and industrial wastewater, safely and efficiently without the need for an electric motor.

HIGH RELIABILITY
 HIGH QUALITY
 HIGH PERFORMANCE



TYPE VSZB15



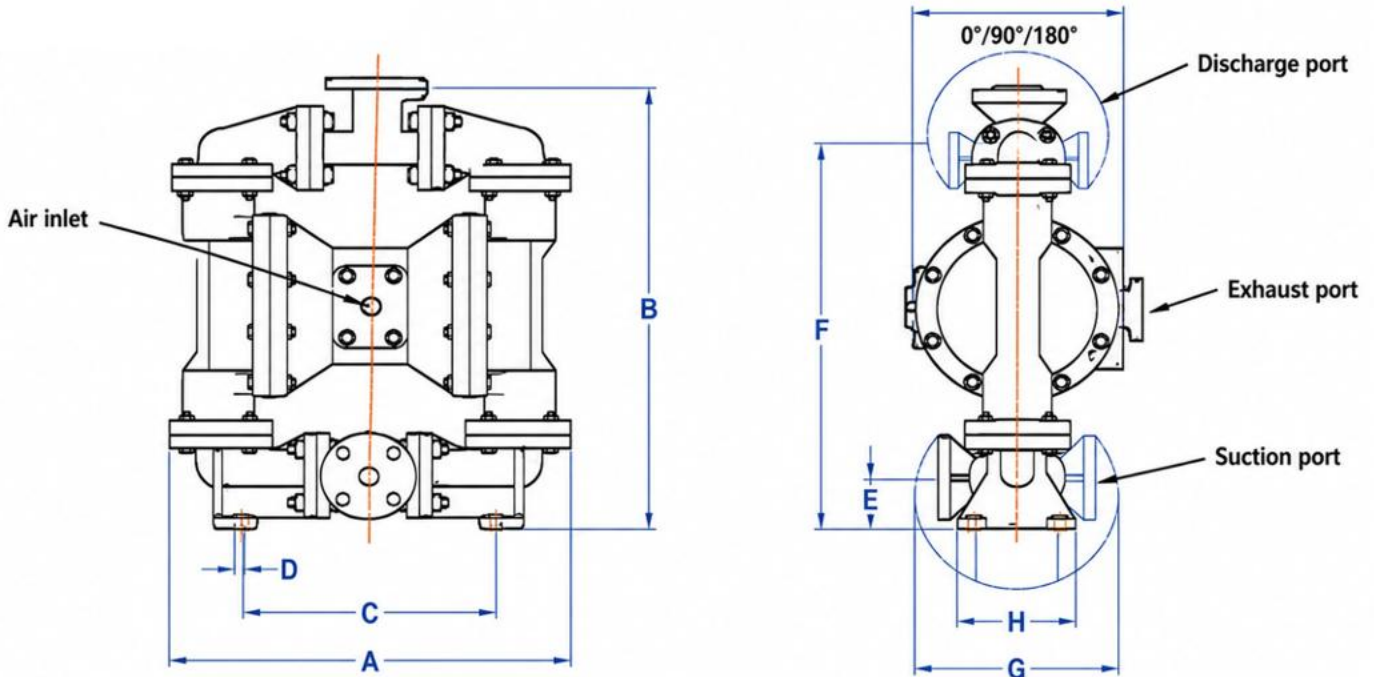
Pump Model	Port Size	Air Inlet Size	Exhaust Port Size	A	B	C	D	E	F	G	H	Standard Muffler	Metal Muffler	Weight
	Inches			mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches	mm inches			
VSZB15NM	1.5" ANSI Flange	Inches	Inches	58423"	73028.75"	28711.3"	160.63"	893.5"	64025.2"	2289"	1726.8"	30013"	38415.1"	PP:87.1/39.5 PVDF:119/54
		3/4"NPT	1"NPT											

NON-METAL METALIC DIAPHRAGM PUMPS

Non-Metal Pneumatic Diaphragm Pumps are air-operated diaphragm pumps powered by compressed air and constructed from non-metallic materials such as Polypropylene (PP), PVDF, PTFE, and other engineered plastics. These pumps are designed to transfer a wide range of fluids, particularly corrosive chemicals, viscous liquids, slurries, and industrial wastewater, safely and efficiently without the need for an electric motor.

HIGH RELIABILITY
 HIGH QUALITY
 HIGH PERFORMANCE

TYPE VSZB20

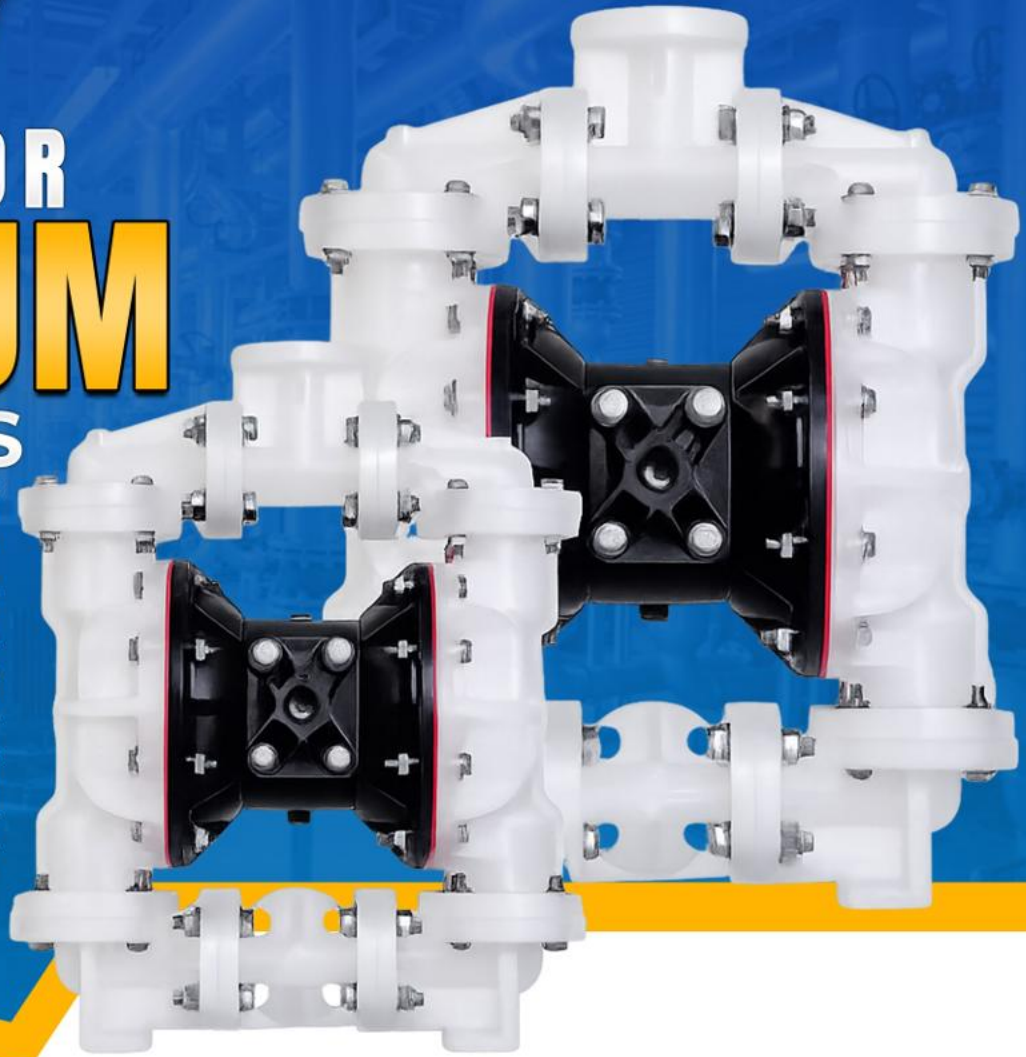


Pump Model	Port Size	Air Inlet Size	Exhaust Port Size	A	B	C	D	E	F	G	H	Standard Muffler	Metal Muffler	Weight
	Inches			mm	mm	mm	mm	mm	mm	mm	mm			
VSZB20NM	2" Universal Flange	Inches	Inches	60523.8"	81932.25"	28911.4"	160.63"	973.8"	71628.2"	29211.5"	2369.2"	33013"	38415.1"	PP-92.6/42 PVDF:130/59
		3/4"NPT	1"NPT											

PUMPS FOR LITHIUM BATTERIES

Pumps for Lithium Batteries are pumps specifically designed for use in lithium battery (Li-ion battery) manufacturing processes.

These pumps are used to transfer, circulate, or accurately meter chemical liquids such as electrolytes, slurries (mixtures of battery active materials), solvents, and other chemicals involved in lithium battery production. Since the fluids handled are often corrosive, flammable, or require a high level of purity, these pumps are manufactured from specialized materials that offer excellent chemical resistance and are capable of operating with high precision and reliability.



Features

- Specifically designed for the lithium battery industry.
- All wetted and structural parts are free of iron, copper, and zinc, preventing metal contamination.
- Available sizes: Plastic Models: 1/4" – 2", Metal Models: 1/2" – 3"
- Complies with the standards and requirements of the lithium battery manufacturing industry.
- Certifications: CE, ATEX.

Advantages of Pumps for Lithium Batteries

- Excellent Chemical Resistance:** Designed to handle corrosive chemicals such as electrolytes, solvents, and battery slurries without degradation.
- High Precision and Accuracy:** Ensures accurate dosing and metering of liquids, which is critical for maintaining consistent battery quality.
- High Purity Fluid Handling:** Constructed with materials that minimize contamination, helping maintain the purity of battery materials throughout the manufacturing process.
- Leak-Free and Safe Operation:** Engineered to prevent fluid leakage, reducing safety risks when handling hazardous or flammable chemicals.
- Reliable Performance:** Provides stable and continuous operation, supporting high-volume battery production with minimal downtime.
- Compatibility with Various Battery Materials:** Suitable for transferring electrolytes, cathode and anode slurries, solvents, binders, and other specialty chemicals used in lithium battery manufacturing.
- Low Maintenance Requirements:** Durable construction and wear-resistant components help reduce maintenance costs and extend service life.
- Energy Efficient:** Optimized designs help reduce energy consumption while maintaining high performance.
- Corrosion and Wear Resistance:** Made from advanced materials such as fluoropolymers, ceramics, or stainless steel alloys to withstand aggressive chemicals and abrasive slurries.
- Supports Advanced Battery Manufacturing:** Enables precise process control required for the production of high-performance lithium-ion batteries used in electric vehicles, energy storage systems, and consumer electronics.

PUMPS FOR MINING

Pumps for Mining are pumps specifically designed for the mining industry. These pumps are used to transfer various types of fluids, including slurry, mine water, chemicals, and abrasive liquids commonly encountered in mining operations. They are high-performance pumps engineered for demanding mining applications. Capable of handling abrasive, corrosive, and slurry fluids with high efficiency, these pumps feature a robust construction that ensures reliable operation and a long service life in harsh mining environments.



HIGH RELIABILITY



HIGH QUALITY



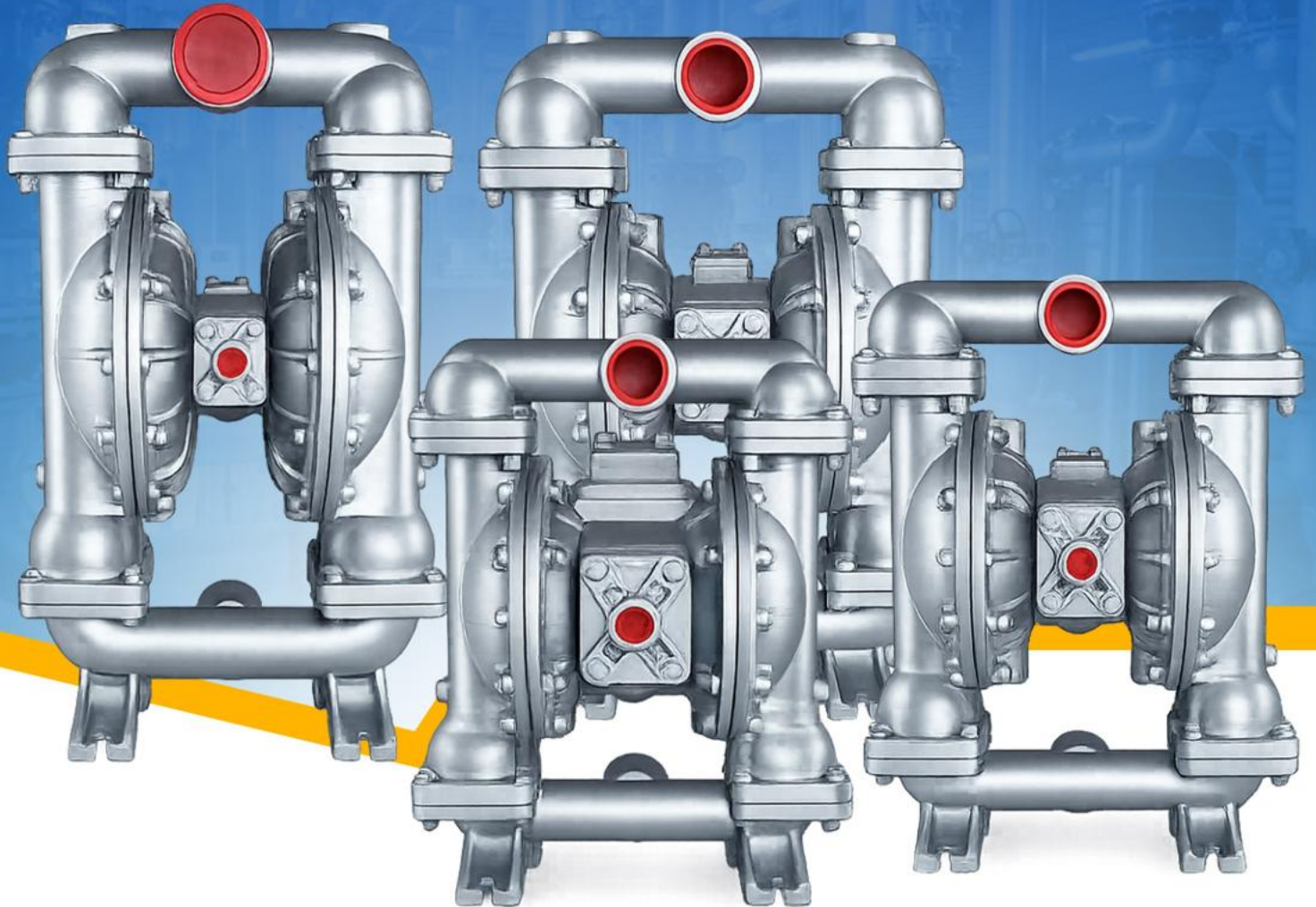
HIGH PERFORMANCE

Features

Pump housing made of durable aluminum alloy.
Models 1.5" and larger are equipped with a handle for easy transportation.
Fitted with a diaphragm protector to extend diaphragm service life.
Customizable configurations available to meet specific application requirements.
Available sizes: 1/2", 1", 1-1/2", 2", 3"
Certified with various product safety certifications.

Advantages of Pumps for Lithium Batteries

Handles Abrasive Slurries: Designed to pump mineral slurries, tailings, and other abrasive materials with high solids content.
Excellent Wear Resistance: Constructed with durable materials that withstand severe abrasion and extend service life
Corrosion Resistance: Suitable for handling corrosive chemicals and process fluids commonly used in mining operations.
Reliable Operation in Harsh Environments: Performs consistently in demanding mining conditions, including dust, moisture, and extreme temperatures.
High Flow Capacity: Capable of transferring large volumes of fluids efficiently.
Low Maintenance Requirements: Robust design helps reduce downtime and maintenance costs.
Energy Efficient: Optimized performance helps minimize energy consumption while maintaining productivity.
Versatile Applications: Suitable for dewatering, slurry transfer, chemical dosing, tailings handling, and mineral processing



Features

Suitable for sanitary and hygienic applications.

Food-grade threadless connections, providing better compliance with food industry requirements.

All aluminum alloy air passage components are coated with food-grade fluorocarbon material.

Certifications: CE, ATEX, DPTC.

Advantages of Pumps for Food Hygiene

Hygienic Food-Grade Design: Specifically designed for the food, beverage, pharmaceutical, and cosmetic industries that require high hygiene standards.

Threadless Connection Design: Reduces areas where residue can accumulate, making the pump easier to clean and more hygienic.

Easy to Clean: The pump's construction allows for faster and more effective cleaning, helping maintain product quality and safety.

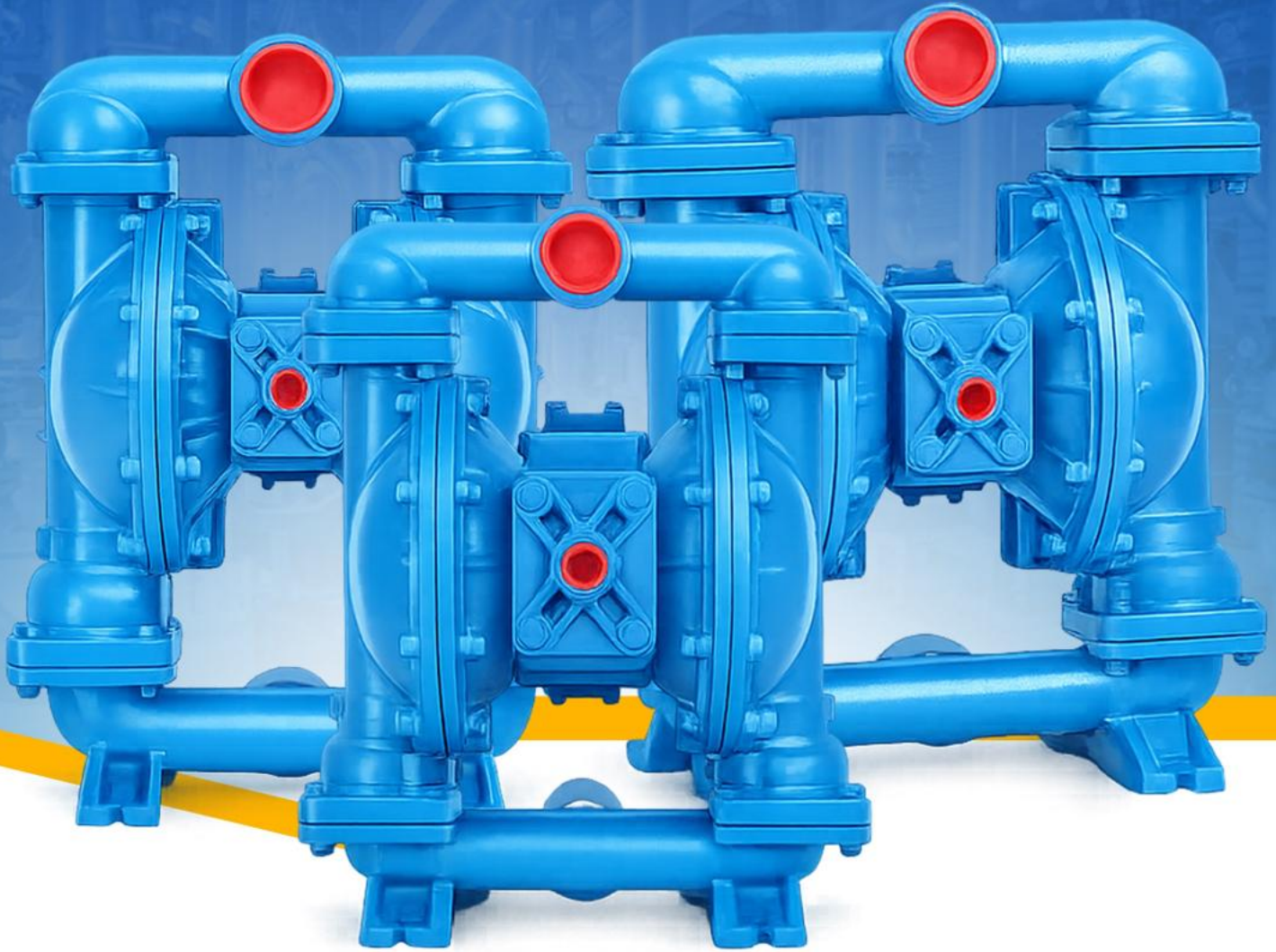
Food-Safe Materials: The surfaces of all air passage components are coated with food-grade fluorocarbon, making them suitable for food processing environments.

Reduced Risk of Contamination: Its specialized design and materials help prevent cross-contamination during production processes.

Corrosion Resistance and Long Service Life: High-quality materials provide excellent resistance to cleaning chemicals and humid production environments, ensuring extended durability.

Safe and Reliable Operation: Ideal for transferring food products, beverages, syrups, sauces, dairy products, pharmaceutical ingredients, and cosmetic materials.

Compliance with Industry Standards: Certified with CE, ATEX, and DPTC approvals, demonstrating compliance with relevant safety and quality standards.



Features

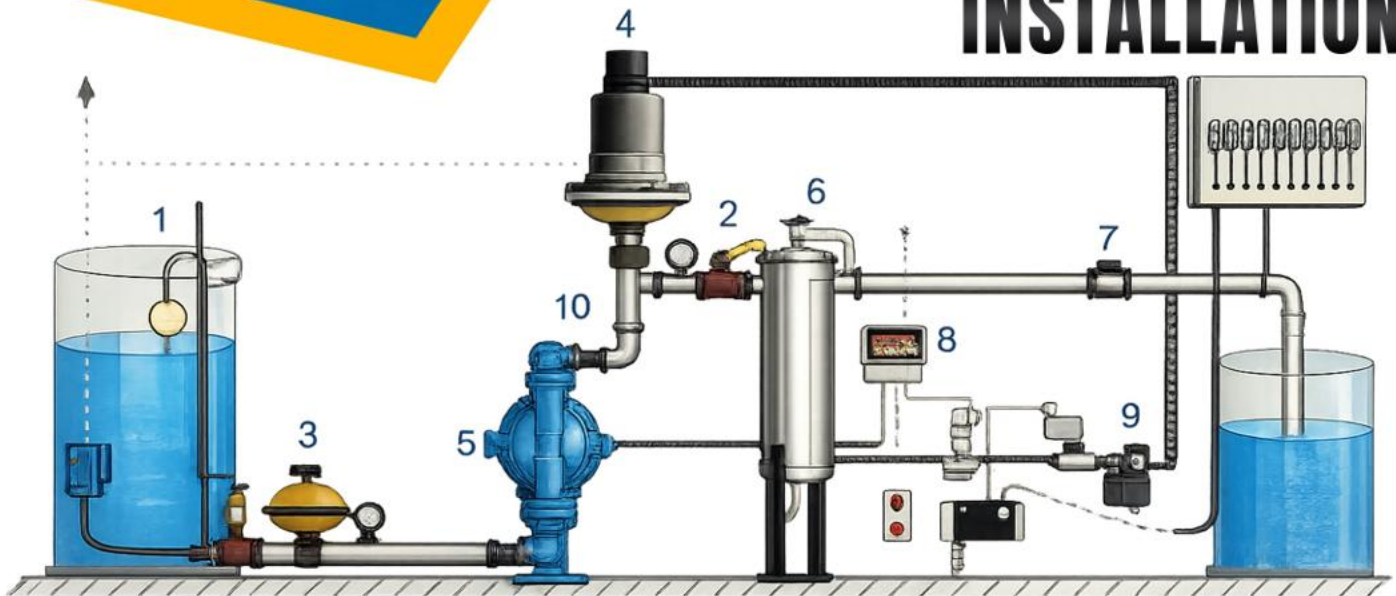
Pump casing materials are available in aluminum alloy and stainless steel.
All primary sealing components are made from conductive rubber or other electrically conductive materials.
Equipped with a static electricity discharge device and grounding cable.
Commonly used in environments that require explosion protection. Particularly suitable for applications that use gas as the driving medium.
Certifications: CE, ATEX.

Advantages of Explosion-Proof Pumps

Safe for Hazardous and Explosive Areas: Designed for use in environments containing flammable gases, vapors, or combustible materials, helping to minimize the risk of sparks and ignition.
Anti-Static System: Utilizes conductive materials in the primary sealing components to help dissipate static electricity buildup.
Equipped with Grounding Protection: Features a grounding cable and static discharge device to enhance operational safety and prevent electrostatic hazards.
Flexible Material Options: Available in aluminum alloy and stainless steel construction, allowing compatibility with different fluids and working environments.
Suitable for Hazardous Fluids: Ideal for handling chemicals, solvents, fuels, and other flammable liquids safely and efficiently.
Reliable Operation in Extreme Environments: Provides dependable performance in industrial applications that require a high level of safety and reliability.
Easy Maintenance: The simple pump design facilitates routine inspection, servicing, and maintenance.
Complies with International Safety Standards: Certified to CE and ATEX standards, making it suitable for use in potentially explosive atmospheres.

Santoprene	Working Temperature Limited (°C/°F)	Level 1~5 (Level 5 is the best)		
		Chemical Resistance	Wear Resistance	Flexibility
Santoprene	-40 ~ 135°C (-40 ~ 275°F)	4	5	5
Hytrel	-29 ~ 104°C (-20 ~ 220°F)	3	5	5
Nitrile	-23 ~ 88°C (-10 ~ 190°F)	1	2	3
FKM	-40 ~ 177°C (-40 ~ 350°F)	4	2	1
EPDM	-40 ~ 138°C (-40 ~ 280°F)	4	4	4
Neoprene	-23 ~ 93°C (-10 ~ 200°F)	1	3	3
PTFE	-37 ~ 104°C (-35 ~ 220°F)	5	2	-
PP	2 ~ 79°C (35 ~ 175°F)	4	2	-
PVDF	-12 ~ 93°C (10 ~ 200°F)	5	2	-

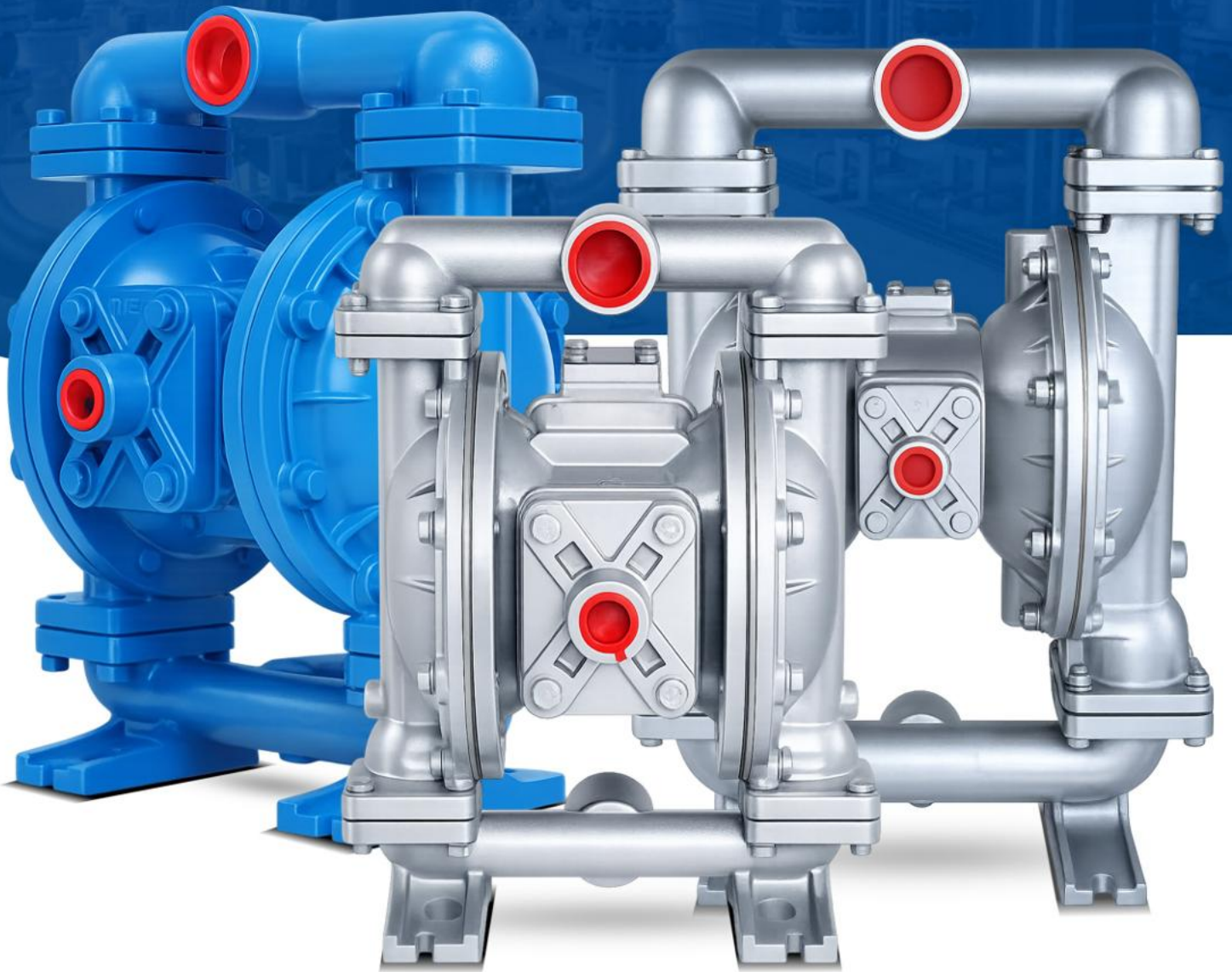
INSTALLATION



Programmable Controller

1. Liquid Level Controller	7. Flow Meter
2. Manual Ball Valve	8. Rate Regulator
3. Verpo Imported Regulator Tank	9. Verpo Pressure Regulator, Filter
4. Verpo Regulator Tank	10. Verpo Soft Connection
5. Verpo Silencer	11. Electronic Leak Indicator
6. Liquid Filter	

PNEUMATIC DIAPHRAGM PUMPS



Pneumatic Diaphragm Pump is a type of pump that uses compressed air to drive a diaphragm back and forth, enabling it to suction and transfer liquids. This pump is widely used for handling various types of fluids, including viscous, corrosive, abrasive liquids, and fluids containing solid particles. Since it does not require an electric motor, a pneumatic diaphragm pump is safe for use in potentially explosive or flammable environments. Chemical processing, mining, wastewater treatment, food and beverage production, pharmaceutical manufacturing, paint and ink industries, and lithium battery production.

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Chemical processing, mining, wastewater treatment, food and beverage production, pharmaceutical manufacturing, paint and ink industries, and lithium battery production.



HIGH RELIABILITY



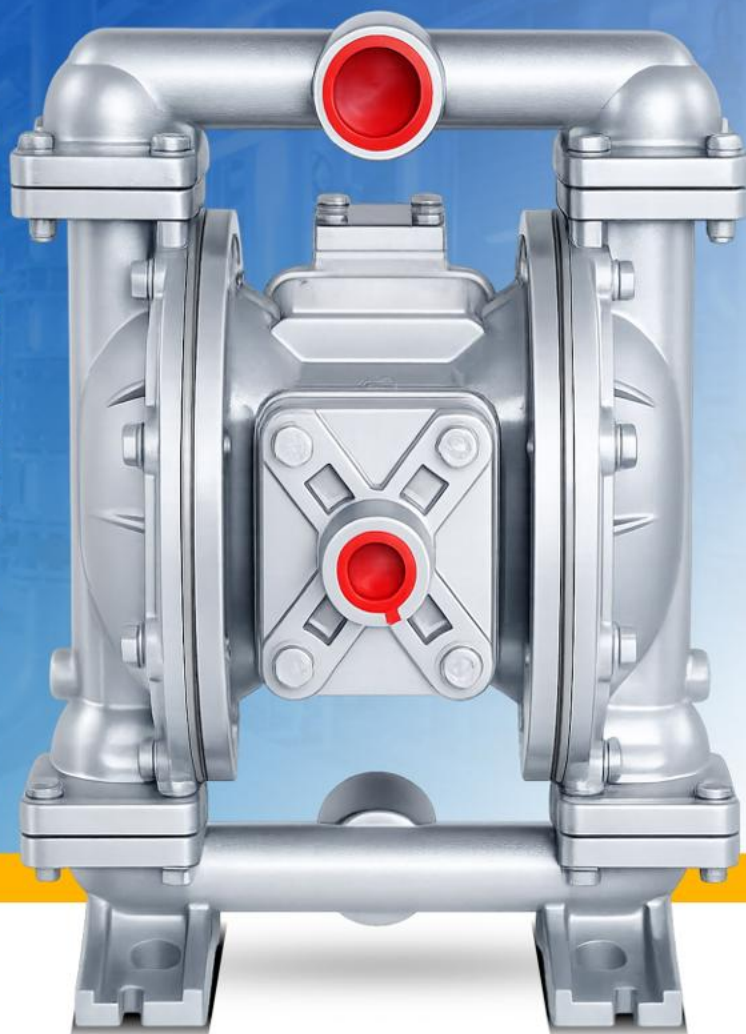
HIGH QUALITY



HIGH PERFORMANCE

TYPE

VZBS-1.0PFF



Mode	VZBS-1.0PFF
Max Flow	133
Rated Pressure	0.6 MPa
Fluid Inlet/Outlet	1"
Body Material	AL (Aluminum)
Fluid Cap & Manifold & Hardware (kg)	AL (Aluminum) 8.6 kg SS (Stainless Steel) 16.3 kg PP (Polypropylene) 8 kg
Suction	8 m
Lift	50–70 m
Max Particle Dimension (mm)	3.2 mm

PNEUMATIC DIAPHRAGM PUMPS

Pneumatic Diaphragm Pump is a type of pump that uses compressed air to drive a diaphragm back and forth, enabling it to suction and transfer liquids.

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Chemical processing, mining, wastewater treatment, food and beverage production, pharmaceutical manufacturing, paint and ink industries, and lithium battery production.



HIGH RELIABILITY



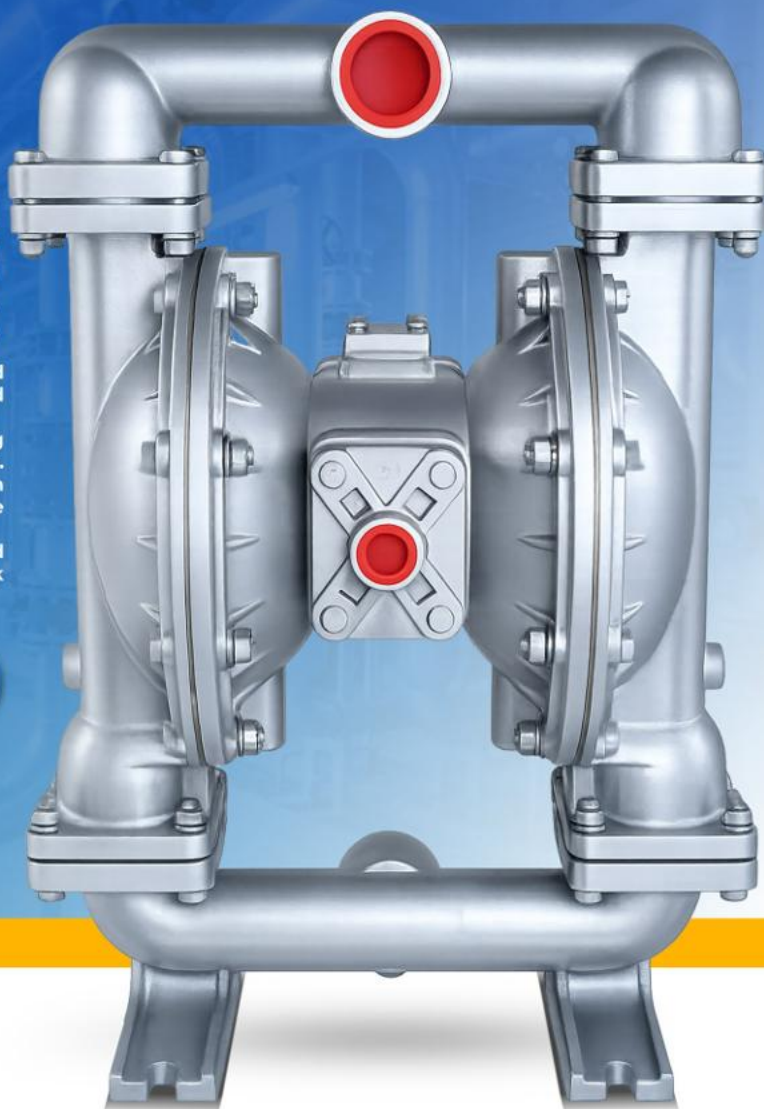
HIGH QUALITY



HIGH PERFORMANCE

TYPE

VZBS-1.5PFF



Mode	VZBS-1.5PFF
Max Flow	133
Rated Pressure	0.6 MPa
Fluid Inlet/Outlet	1-1/2"
Body Material	AL (Aluminum)
Fluid Cap & Manifold & Hardware (kg)	AL (Aluminum) 20 kg SS (Stainless Steel) 38.3 kg PP (Polypropylene) 18 kg
Suction	8 m
Lift	50–70 m
Max Particle Dimension (mm)	6.4 mm

PNEUMATIC DIAPHRAGM PUMPS

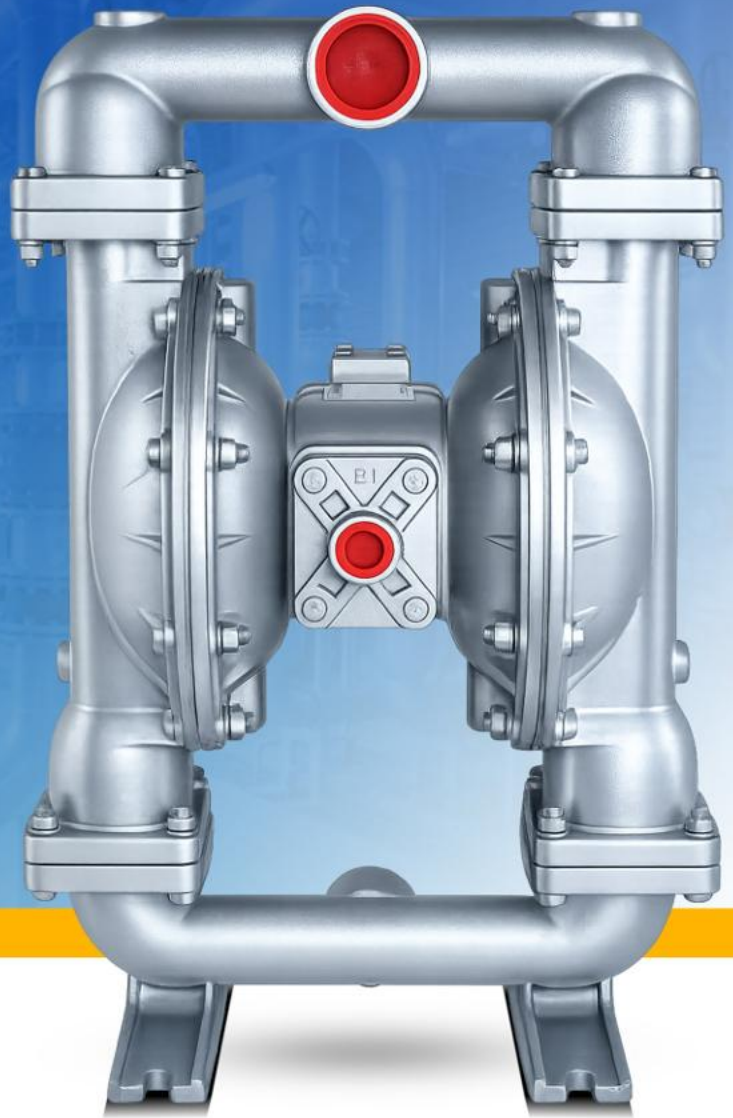
Pneumatic Diaphragm Pump is a type of pump that uses compressed air to drive a diaphragm back and forth, enabling it to suction and transfer liquids.

This pump is widely used for handling various types of fluids, including viscous, corrosive, abrasive liquids, and fluids containing solid particles. Since it does not require an electric motor, a pneumatic diaphragm pump is safe for use in potentially explosive or flammable environments.

Chemical processing, mining, wastewater treatment, food and beverage production, pharmaceutical manufacturing, paint and ink industries, and lithium battery production.



TYPE VZBS-2.0PFF



Mode	VZBS-2.0PFF
Max Flow	651
Rated Pressure	0.6 MPa
Fluid Inlet/Outlet	2"
Body Material	AL (Aluminum)
Fluid Cap & Manifold & Hardware (kg)	AL (Aluminum) 36.9 kg SS (Stainless Steel) 57 kg PP (Polypropylene) 20 kg
Suction	8 m
Lift	50–70 m
Max Particle Dimension (mm)	6.4 mm

PNEUMATIC DIAPHRAGM PUMPS

Pneumatic Diaphragm Pump is a type of pump that uses compressed air to drive a diaphragm back and forth, enabling it to suction and transfer liquids.

This pump is widely used for handling various types of fluids, including viscous, corrosive, abrasive liquids, and fluids containing solid particles. Since it does not require an electric motor, a pneumatic diaphragm pump is safe for use in potentially explosive or flammable environments.

Chemical processing, mining, wastewater treatment, food and beverage production, pharmaceutical manufacturing, paint and ink industries, and lithium battery production.



HIGH RELIABILITY



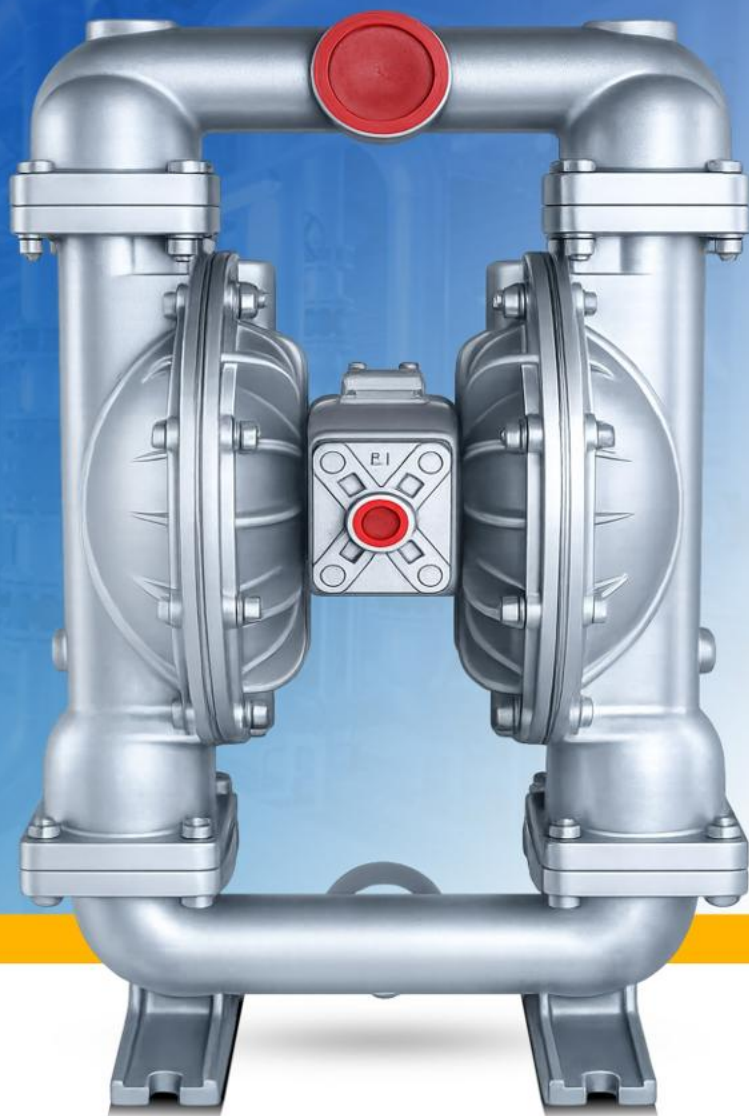
HIGH QUALITY



HIGH PERFORMANCE

TYPE

VZBS-3.0PFF



Mode	VZBS-3.0PFF
Max Flow	897
Rated Pressure	0.6 MPa
Fluid Inlet/Outlet	3"
Body Material	AL (Aluminum)
Fluid Cap & Manifold & Hardware (kg)	AL (Aluminum) 50 kg SS (Stainless Steel) 100 kg PP (Polypropylene) 35 kg
Suction	8 m
Lift	50–70 m
Max Particle Dimension (mm)	9.5 mm

PNEUMATIC DIAPHRAGM PUMPS

Pneumatic Diaphragm Pump is a type of pump that uses compressed air to drive a diaphragm back and forth, enabling it to suction and transfer liquids.

This pump is widely used for handling various types of fluids, including viscous, corrosive, abrasive liquids, and fluids containing solid particles. Since it does not require an electric motor, a pneumatic diaphragm pump is safe for use in potentially explosive or flammable environments.

Chemical processing, mining, wastewater treatment, food and beverage production, pharmaceutical manufacturing, paint and ink industries, and lithium battery production.



HIGH RELIABILITY



HIGH QUALITY



HIGH PERFORMANCE

TYPE

VZBS-1.0LB



Proportion of Picture	1:1
Max Flow Rate (gallon/L) per min	13 (168 L/min)
Lift (m)	70 m
Output Volume of Each Circulation (gallon/L)	0.11 (0.42)
Air Inlet Size (Internal Thread)	1/2" NPT/BSP
Suction and Discharge Size (inch)	DN25 (1")
Max Air Consumption	0.4 m ³ /min
Max Working Pressure psi (bar)	125 (8.6)
Max Particle Diameter (inch/mm)	0.25 (6)
Weight (lb/kg)	Aluminum: 28 lb (13 kg), Stainless Steel: 43 lb (20 kg), Cast Iron: 46 lb (21 kg)
Max Suction Lift (Dry/Wet)	Dry: 5 m, Wet: 7 m
Noise Level	PSI: 70, Air Noise Level: 71 dB

PNEUMATIC DIAPHRAGM PUMPS

Pneumatic Diaphragm Pump is a type of pump that uses compressed air to drive a diaphragm back and forth, enabling it to suction and transfer liquids.

This pump is widely used for handling various types of fluids, including viscous, corrosive, abrasive liquids, and fluids containing solid particles. Since it does not require an electric motor, a pneumatic diaphragm pump is safe for use in potentially explosive or flammable environments.

Chemical processing, mining, wastewater treatment, food and beverage production, pharmaceutical manufacturing, paint and ink industries, and lithium battery production.



HIGH RELIABILITY



HIGH QUALITY



HIGH PERFORMANCE

TYPE

VZBS-1.5LB



Proportion of Picture	1:1
Max Flow Rate (gallon/L) per min	13 (400 L/min)
Lift (m)	70 m
Output Volume of Each Circulation (gallon/L)	0.41 (1.55)
Air Inlet Size (Internal Thread)	3/4" NPT/BSP
Suction and Discharge Size (inch)	DN40 (1 1/2")
Max Air Consumption	0.5 m ³ /min
Max Working Pressure psi (bar)	125 (8.6)
Max Particle Diameter (inch/mm)	0.25 (6)
Weight (lb/kg)	Aluminum: 53 lb (24 kg), Stainless Steel: 95 lb (43 kg), Cast Iron: 93 lb (42 kg)
Max Suction Lift (Dry/Wet)	Dry: 5 m, Wet: 7 m
Noise Level	PSI: 70, Noise Level: 71 dB

PNEUMATIC DIAPHRAGM PUMPS

Pneumatic Diaphragm Pump is a type of pump that uses compressed air to drive a diaphragm back and forth, enabling it to suction and transfer liquids.

This pump is widely used for handling various types of fluids, including viscous, corrosive, abrasive liquids, and fluids containing solid particles. Since it does not require an electric motor, a pneumatic diaphragm pump is safe for use in potentially explosive or flammable environments.

Chemical processing, mining, wastewater treatment, food and beverage production, pharmaceutical manufacturing, paint and ink industries, and lithium battery production.

HIGH RELIABILITY
 HIGH QUALITY
 HIGH PERFORMANCE

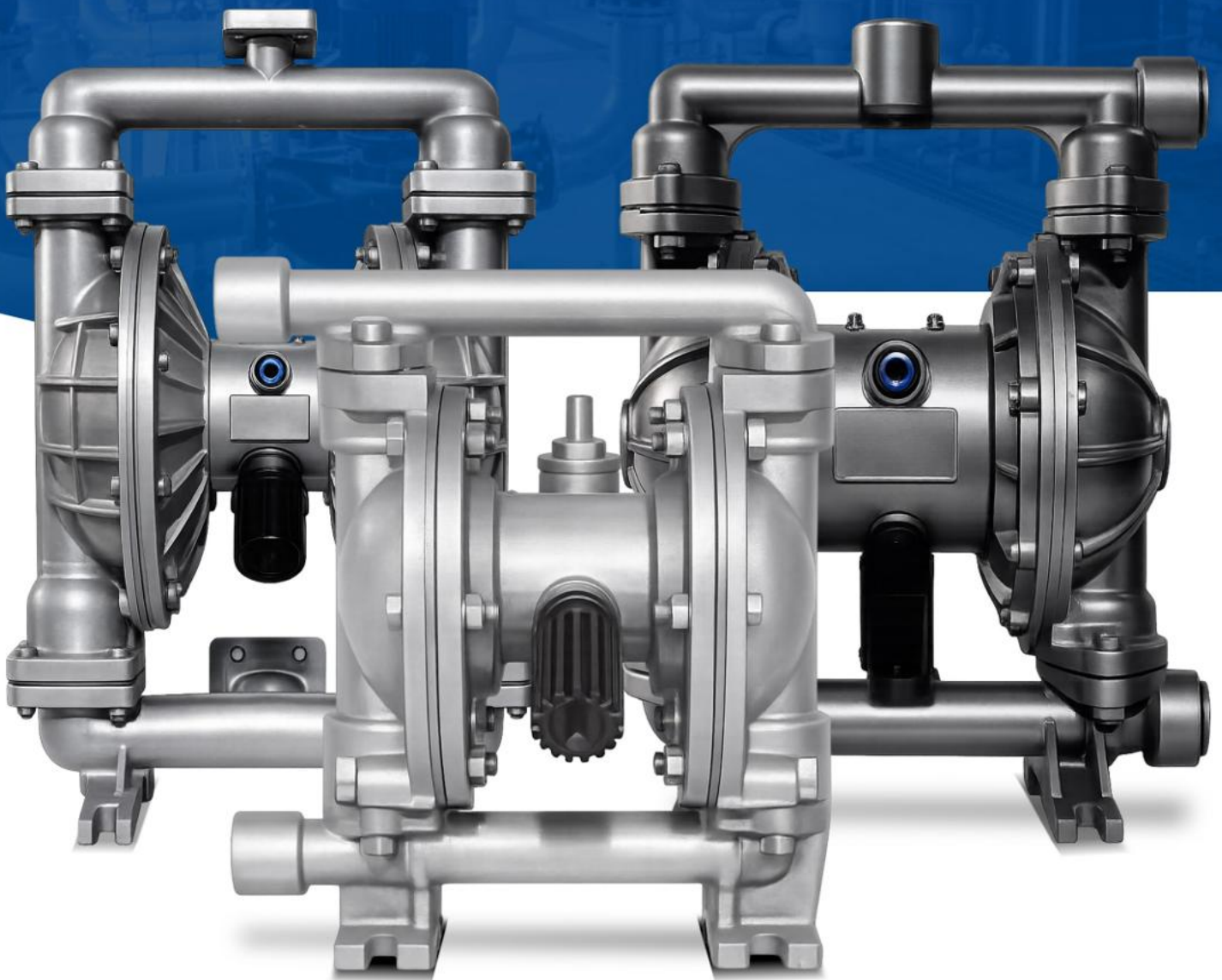
TYPE VZBS-2.0LB



Proportion of Picture	1:1
Max Flow Rate (gallon/L) per min	13 (746 L/min)
Lift (m)	70 m
Output Volume of Each Circulation (gallon/L)	0.42 (1.59)
Air Inlet Size (Internal Thread)	3/4-18 NPT/BSP
Suction and Discharge Size (inch)	DN50 (2")
Max Air Consumption	0.8 m ³ /min
Max Working Pressure psi (bar)	125 (8.6)
Max Particle Diameter (inch/mm)	0.25 (6)
Weight (lb/kg)	Aluminum: 63 lb (31 kg), Stainless Steel: 114 lb (52 kg), Cast Iron: 129 lb (59 kg)
Max Suction Lift (Dry/Wet)	Dry: 5 m, Wet: 7 m
Noise Level	PSI: 70, Noise Level: 71 dB



ALLUMINUM ALLOY **PNEUMATIC** DIAPHRAGM PUMPS



Aluminum Alloy Pneumatic Diaphragm Pump is a diaphragm pump powered by compressed air and features a body made of aluminum alloy. It is designed to transfer a wide range of fluids, including chemicals, oils, sludge, and liquids containing solid particles. Its robust construction, reliable performance, and ability to handle demanding applications make it an ideal choice for various industrial fluid transfer processes.

ALUMINUM ALLOY PNEUMATIC DIAPHRAGM PUMPS

Aluminum Alloy Pneumatic Diaphragm Pump is a diaphragm pump powered by compressed air and features a body made of aluminum alloy. It is designed to transfer a wide range of fluids, including chemicals, oils, sludge, and liquids containing solid particles. Its robust construction, reliable performance, and ability to handle demanding applications make it an ideal choice for various industrial fluid transfer processes.



TYPE
VQBY-15L/VQBY-20L



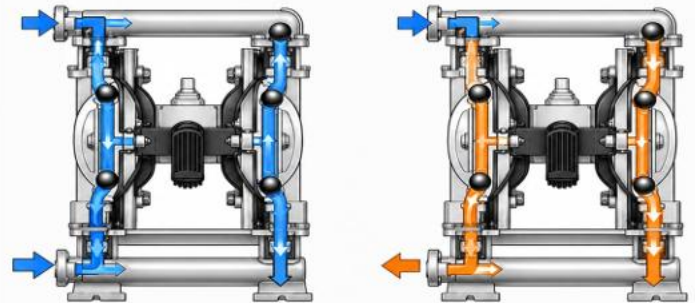
Model	Flow Rate	Lift	Suction	Air Consumption
VQBY-15L	0-2 t/h	0-5 m	0-5 m	0.3 m ³ /min
VQBY-10L	0-2 t/h	0-5 m	0-5 m	0.3 m ³ /min
VQBY-20L	0-2 t/h	0-5 m	0-5 m	0.3 m ³ /min
VQBK-15L	0-2 t/h	0-5 m	0-5 m	0.3 m ³ /min
VQBK-10L	0-2 t/h	0-5 m	0-5 m	0.3 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
- ✓ No mechanical seal is required, minimizing the risk of leakage.
- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet



ALUMINUM ALLOY PNEUMATIC DIAPHRAGM PUMPS

Aluminum Alloy Pneumatic Diaphragm Pump is a diaphragm pump powered by compressed air and features a body made of aluminum alloy. It is designed to transfer a wide range of fluids, including chemicals, oils, sludge, and liquids containing solid particles. Its robust construction, reliable performance, and ability to handle demanding applications make it an ideal choice for various industrial fluid transfer processes.



TYPE

VQBK-25L/VQBK-40L



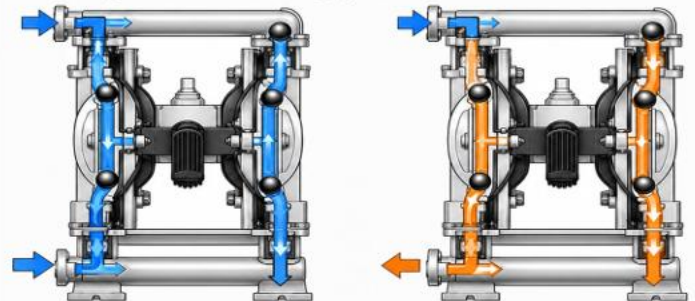
Model	Flow Rate	Lift	Suction	Air Consumption
VQBK-25L	0-6 t/h	0-80 m	0-5 m	0.7 m ³ /min
VQBK-32L	0-7 t/h	0-80 m	0-5 m	0.7 m ³ /min
VQBK-40L	0-8 t/h	0-80 m	0-5 m	0.7 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
- ✓ No mechanical seal is required, minimizing the risk of leakage.
- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet



ALUMINUM ALLOY PNEUMATIC DIAPHRAGM PUMPS

Aluminum Alloy Pneumatic Diaphragm Pump is a diaphragm pump powered by compressed air and features a body made of aluminum alloy. It is designed to transfer a wide range of fluids, including chemicals, oils, sludge, and liquids containing solid particles. Its robust construction, reliable performance, and ability to handle demanding applications make it an ideal choice for various industrial fluid transfer processes.



TYPE
VQBY-Z5AL



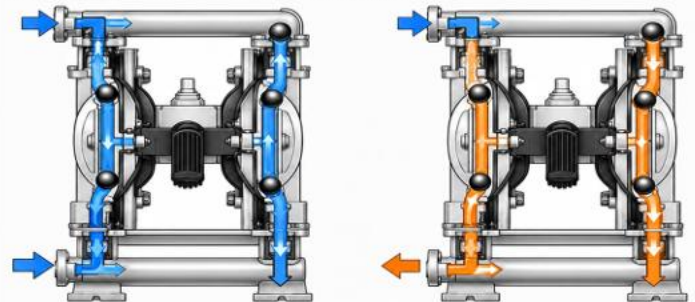
Model	Flow Rate	Lift	Suction	Air Consumption
VQBY3-25AL	0-6 t/h	0-80 m	0-5 m	0.73 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
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HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet



ALUMINUM ALLOY PNEUMATIC DIAPHRAGM PUMPS

Aluminum Alloy Pneumatic Diaphragm Pump is a diaphragm pump powered by compressed air and features a body made of aluminum alloy. It is designed to transfer a wide range of fluids, including chemicals, oils, sludge, and liquids containing solid particles. Its robust construction, reliable performance, and ability to handle demanding applications make it an ideal choice for various industrial fluid transfer processes.



TYPE

VQBK-50L/VQBK-65L



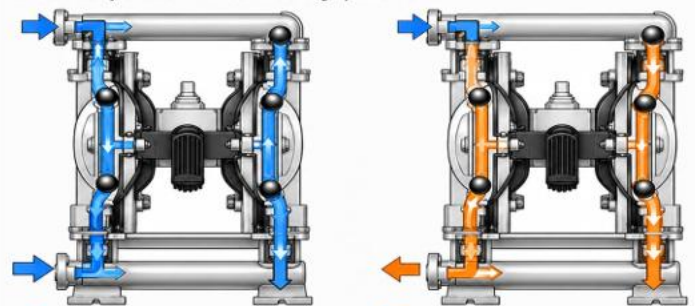
Model	Flow Rate	Lift	Suction	Air Consumption
VQBK-50L	0–20 t/h	0–80 m	0–5 m	1.5 m ³ /min
VQBK-65L	0–25 t/h	0–80 m	0–5 m	2.0 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
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- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet



ALUMINUM ALLOY PNEUMATIC DIAPHRAGM PUMPS

Aluminum Alloy Pneumatic Diaphragm Pump is a diaphragm pump powered by compressed air and features a body made of aluminum alloy. It is designed to transfer a wide range of fluids, including chemicals, oils, sludge, and liquids containing solid particles. Its robust construction, reliable performance, and ability to handle demanding applications make it an ideal choice for various industrial fluid transfer processes.



TYPE
VQBK-80L/VQBK-100L



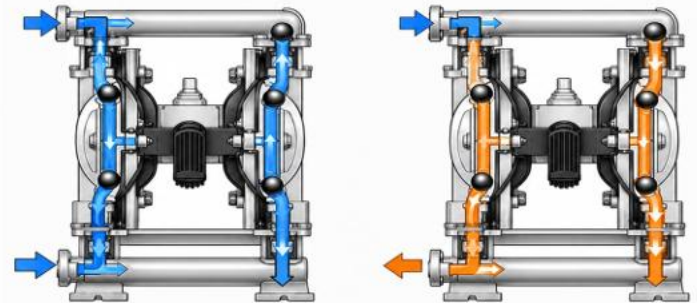
Model	Flow Rate	Lift	Suction	Air Consumption
VQBK-80L	0-30 t/h	0-80 m	0-5 m	3.0 m ³ /min
VQBK-100L	0-35 t/h	0-80 m	0-5 m	3.5 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
- ✓ No mechanical seal is required, minimizing the risk of leakage.
- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

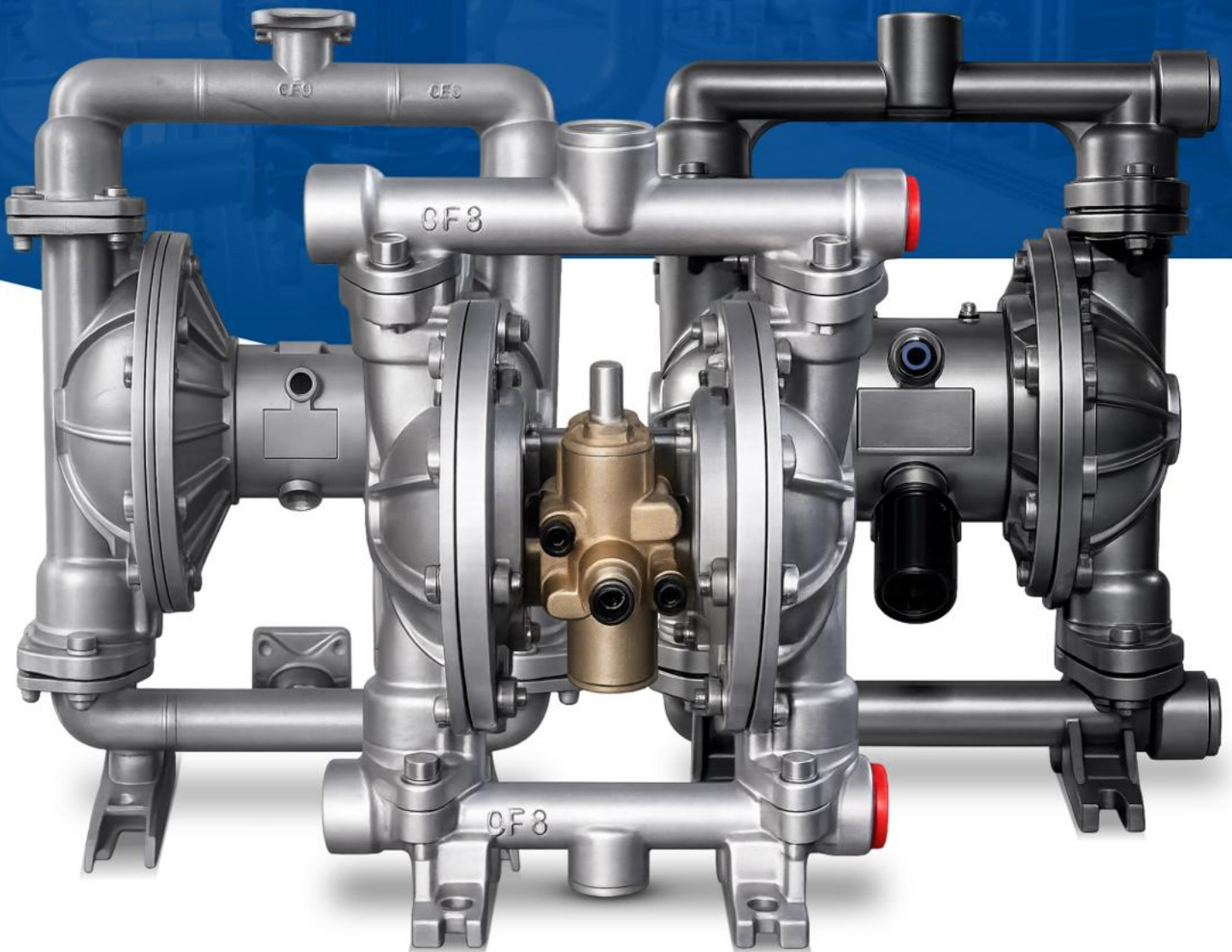
2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet





STAINLESS STEEL PNEUMATIC DIAPHRAGM PUMPS



Stainless Steel Pneumatic Diaphragm Pump is a diaphragm pump powered by compressed air and features a body made of stainless steel. It is designed to transfer a wide range of fluids, including corrosive chemicals, food and beverage products, oils, sludge, and liquids containing solid particles. The stainless steel construction provides excellent corrosion resistance, high strength, and long service life, making it ideal for industrial applications that require superior durability, hygiene, and reliability.

STAINLESS STEEL PNEUMATIC DIAPHRAGM PUMPS

Stainless Steel Pneumatic Diaphragm Pump is a diaphragm pump powered by compressed air and features a body made of stainless steel. It is designed to transfer a wide range of fluids, including corrosive chemicals, food and beverage products, oils, sludge, and liquids containing solid particles. The stainless steel construction provides excellent corrosion resistance, high strength, and long service life, making it ideal for industrial applications that require superior durability, hygiene, and reliability.



TYPE

VQBK-15P/VQBK-20P



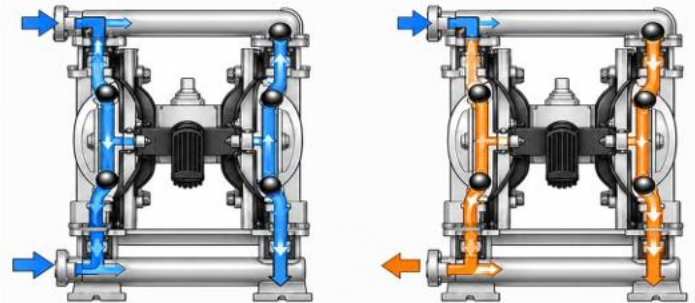
Model	Flow Rate	Lift	Suction	Air Consumption
VQBK-15P	0–2 t/h	0–5 m	0–5 m	0.3 m ³ /min
VQBK-10P	0–2 t/h	0–5 m	0–5 m	0.3 m ³ /min
VQBK-20P	0–2 t/h	0–5 m	0–5 m	0.3 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
- ✓ No mechanical seal is required, minimizing the risk of leakage.
- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet



STAINLESS STEEL PNEUMATIC DIAPHRAGM PUMPS

Stainless Steel Pneumatic Diaphragm Pump is a diaphragm pump powered by compressed air and features a body made of stainless steel. It is designed to transfer a wide range of fluids, including corrosive chemicals, food and beverage products, oils, sludge, and liquids containing solid particles. The stainless steel construction provides excellent corrosion resistance, high strength, and long service life, making it ideal for industrial applications that require superior durability, hygiene, and reliability.



TYPE

VQBK-25L/VQBK-40L



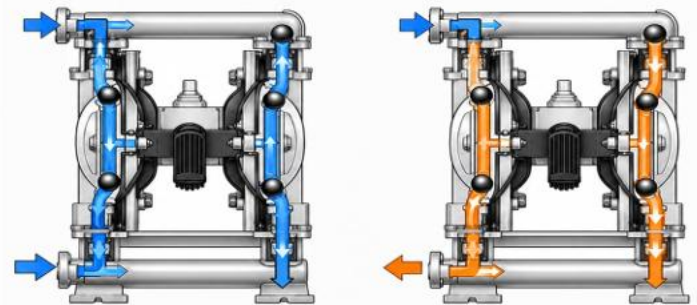
Model	Flow Rate	Lift	Suction	Air Consumption
VQBK-25P	0–6 t/h	0–5 m	0–5 m	0.7 m ³ /min
VQBK-40P	0–8 t/h	0–80 m	0–5 m	0.7 m ³ /min
VQBK-32P	0–7 t/h	0–80 m	0–5 m	0.7 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
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HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet

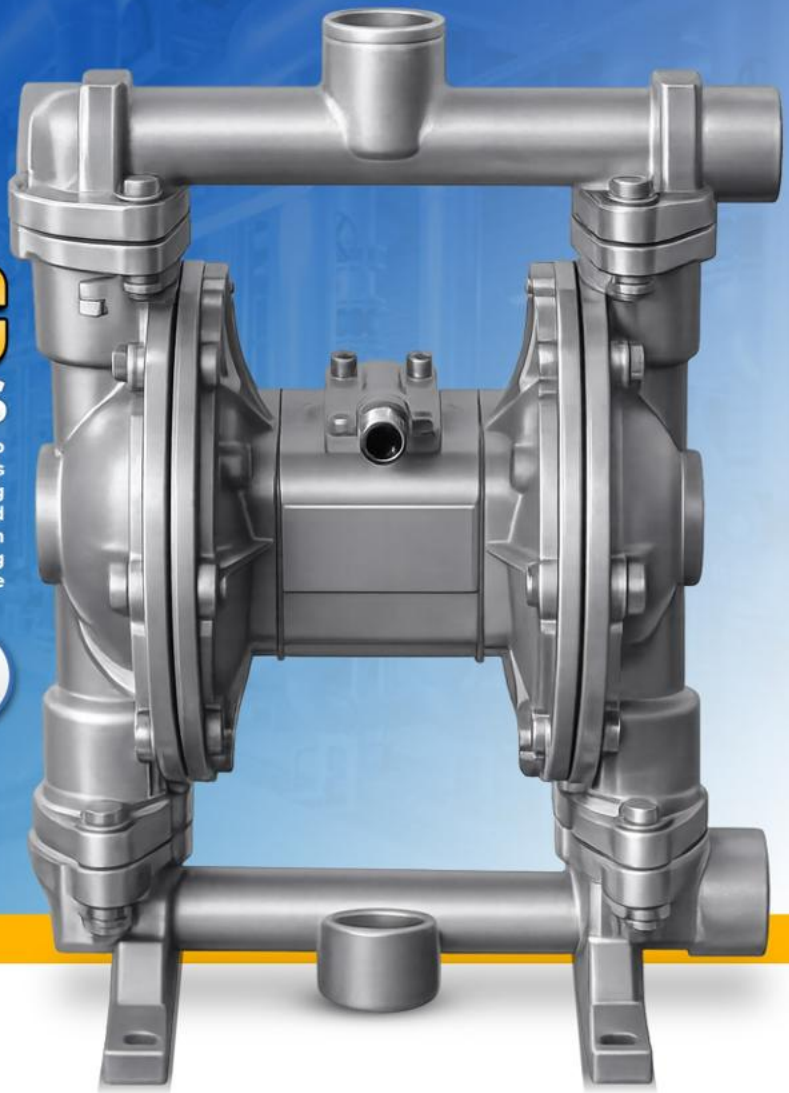


STAINLESS STEEL PNEUMATIC DIAPHRAGM PUMPS

Stainless Steel Pneumatic Diaphragm Pump is a diaphragm pump powered by compressed air and features a body made of stainless steel. It is designed to transfer a wide range of fluids, including corrosive chemicals, food and beverage products, oils, sludge, and liquids containing solid particles. The stainless steel construction provides excellent corrosion resistance, high strength, and long service life, making it ideal for industrial applications that require superior durability, hygiene, and reliability.



TYPE
VQBY-25P



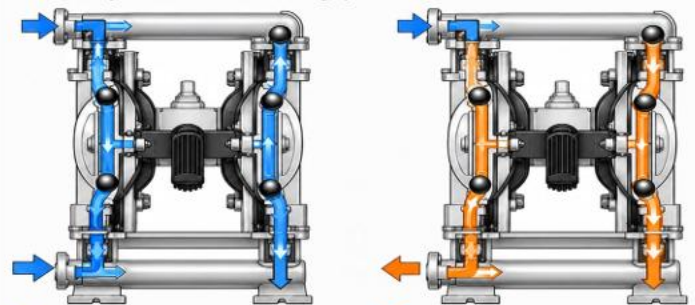
Model	Flow Rate	Lift	Suction	Air Consumption
VQBY3-25AP	0–6 t/h	0–80 m	0–5 m	0.7 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
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- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet



ALUMINUM ALLOY PNEUMATIC DIAPHRAGM PUMPS

Aluminum Alloy Pneumatic Diaphragm Pump is a diaphragm pump powered by compressed air and features a body made of aluminum alloy. It is designed to transfer a wide range of fluids, including chemicals, oils, sludge, and liquids containing solid particles. Its robust construction, reliable performance, and ability to handle demanding applications make it an ideal choice for various industrial fluid transfer processes.



TYPE
VQBK-50P/VQBK-65P



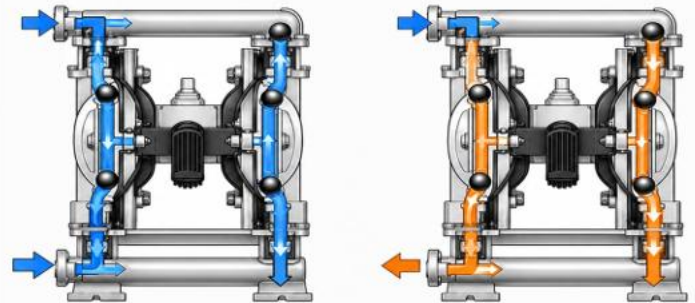
Model	Flow Rate	Lift	Suction	Air Consumption
VQBK-50P	0–20 t/h	0–80 m	0–5 m	1.5 m ³ /min
VQBK-65P	0–25 t/h	0–80 m	0–5 m	2.0 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
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- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

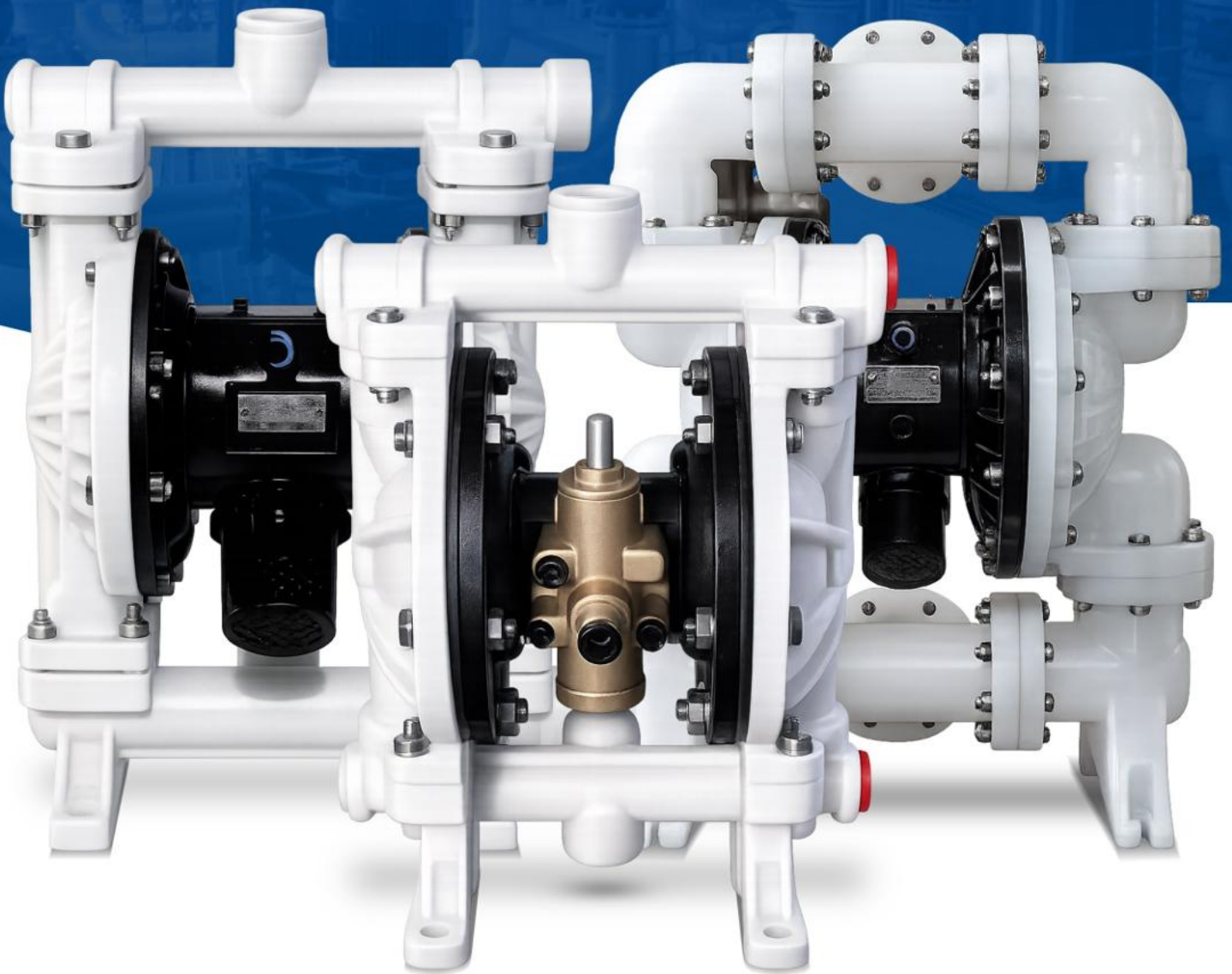
2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet





ENGINEERING PLASTIC **PNEUMATIC** DIAPHRAGM PUMPS



Engineering Plastic Pneumatic Diaphragm Pump is an air-operated diaphragm pump that uses compressed air as its power source and is constructed from high-performance engineering plastics such as PP, PVDF, or PTFE. It is designed to transfer a wide range of fluids, including corrosive chemicals, abrasive liquids, and fluids containing solid particles, safely and efficiently. The engineering plastic construction provides excellent corrosion resistance, lightweight handling, and long service life, making it an ideal solution for chemical processing, water treatment, mining, and various industrial applications.

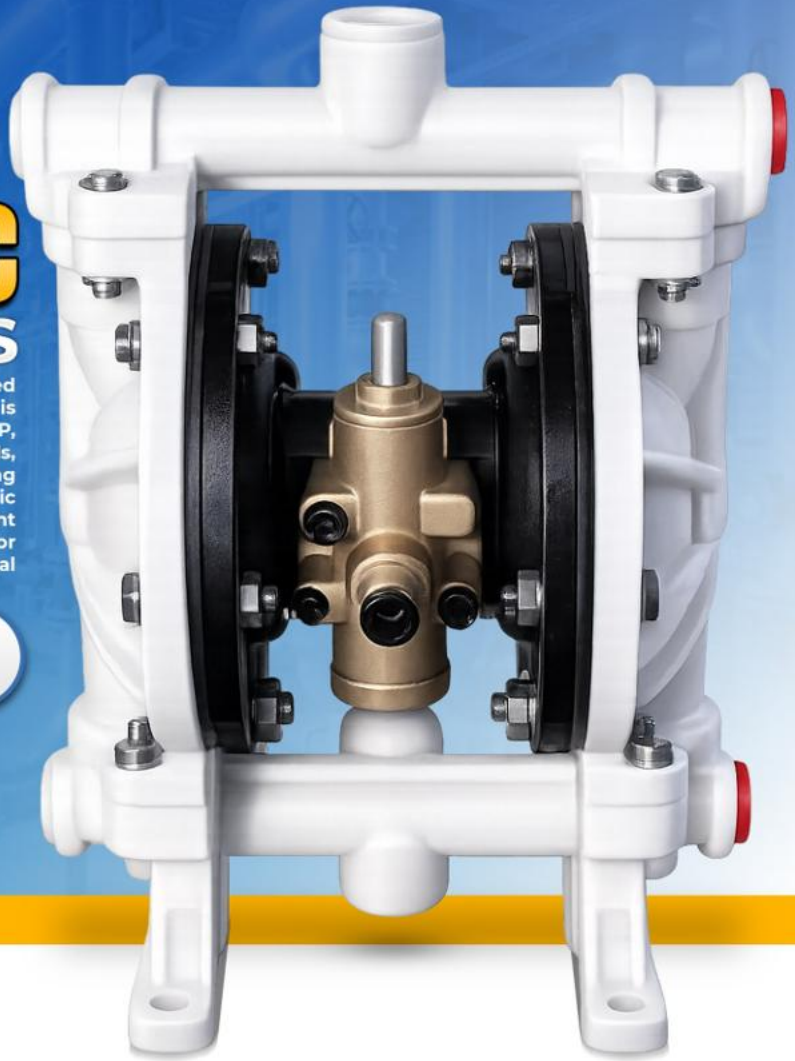
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Engineering Plastic Pneumatic Diaphragm Pump is an air-operated diaphragm pump that uses compressed air as its power source and is constructed from high-performance engineering plastics such as PP, PVDF, or PTFE. It is designed to transfer a wide range of fluids, including corrosive chemicals, abrasive liquids, and fluids containing solid particles, safely and efficiently. The engineering plastic construction provides excellent corrosion resistance, lightweight handling, and long service life, making it an ideal solution for chemical processing, water treatment, mining, and various industrial applications.

HIGH RELIABILITY
 HIGH QUALITY
 HIGH PERFORMANCE

TYPE

VQBY-10PP-VQBY20PP/
VQBK-10PP-VQBK-20PP



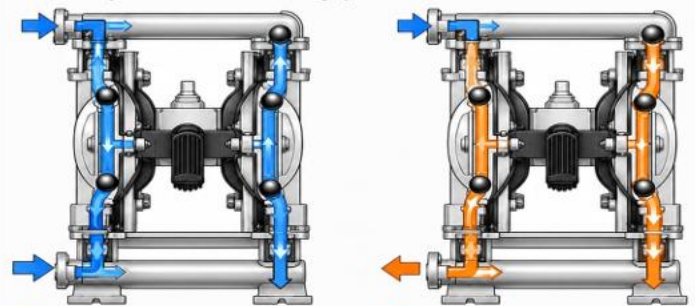
Model	Flow Rate	Lift	Suction	Air Consumption
VQBY-15PP	0-2 t/h	0-80 m	0-5 m	0.3 m ³ /min
VQBK-15PP	0-2 t/h	0-80 m	0-5 m	0.3 m ³ /min
VQBY-10PP	0-2 t/h	0-80 m	0-5 m	0.3 m ³ /min
VQBK-10PP	0-2 t/h	0-80 m	0-5 m	0.3 m ³ /min
VQBY-20PP	0-2 t/h	0-80 m	0-5 m	0.3 m ³ /min
VQBK-20PP	0-2 t/h	0-80 m	0-5 m	0.3 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
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- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
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HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet

BLUE ARROW: Suction
 ORANGE ARROW: Discharge
 BALL CHECK VALVE: Ball Check Valve System

ENGINEERING PLASTIC PNEUMATIC DIAPHRAGM PUMPS

Engineering Plastic Pneumatic Diaphragm Pump is an air-operated diaphragm pump that uses compressed air as its power source and is constructed from high-performance engineering plastics such as PP, PVDF, or PTFE. It is designed to transfer a wide range of fluids, including corrosive chemicals, abrasive liquids, and fluids containing solid particles, safely and efficiently. The engineering plastic construction provides excellent corrosion resistance, lightweight handling, and long service life, making it an ideal solution for chemical processing, water treatment, mining, and various industrial applications.



TYPE

VQBK-25PP/VQBK-32PP



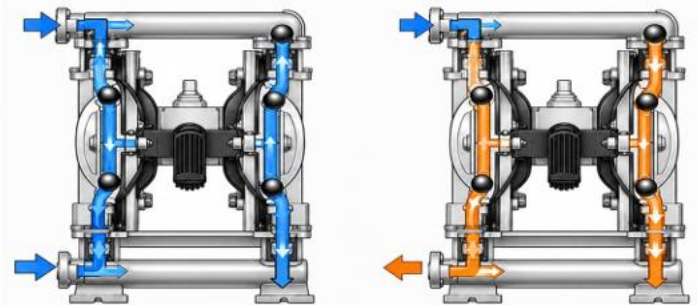
Model	Flow Rate	Lift	Suction	Air Consumption
VQBK-25PP	0–6 t/h	0–80 m	0–5 m	0.7 m ³ /min
VQBK-40PP	0–6 t/h	0–80 m	0–5 m	0.7 m ³ /min
VQBK-32PP	0–6 t/h	0–80 m	0–5 m	0.7 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
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1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet



ENGINEERING PLASTIC PNEUMATIC DIAPHRAGM PUMPS

Engineering Plastic Pneumatic Diaphragm Pump is an air-operated diaphragm pump that uses compressed air as its power source and is constructed from high-performance engineering plastics such as PP, PVDF, or PTFE. It is designed to transfer a wide range of fluids, including corrosive chemicals, abrasive liquids, and fluids containing solid particles, safely and efficiently. The engineering plastic construction provides excellent corrosion resistance, lightweight handling, and long service life, making it an ideal solution for chemical processing, water treatment, mining, and various industrial applications.



TYPE

VQBK-50PP/VQBK-65PP



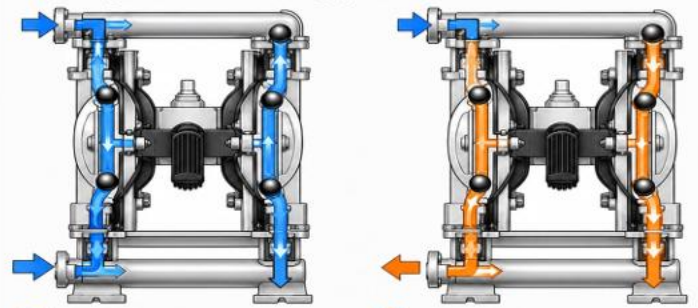
Model	Flow Rate	Lift	Suction	Air Consumption
VQBK-50PP	0-20 t/h	0-80 m	0-5 m	1.5 m ³ /min
VQBK-65PP	0-25 t/h	0-80 m	0-5 m	2.0 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
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- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
- ✓ No mechanical seal is required, minimizing the risk of leakage.
- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet



ALUMINUM ALLOY PNEUMATIC DIAPHRAGM PUMPS

Aluminum Alloy Pneumatic Diaphragm Pump is a diaphragm pump powered by compressed air and features a body made of aluminum alloy. It is designed to transfer a wide range of fluids, including chemicals, oils, sludge, and liquids containing solid particles. Its robust construction, reliable performance, and ability to handle demanding applications make it an ideal choice for various industrial fluid transfer processes.



TYPE
VQBK-50P/VQBK-65P



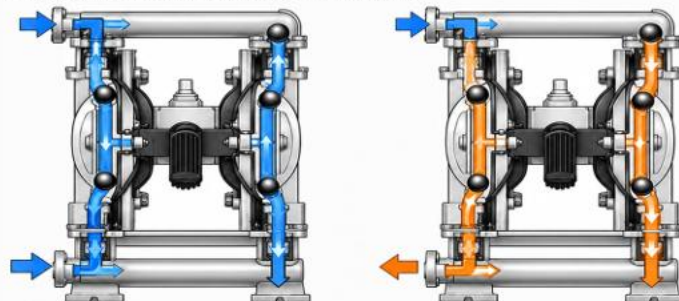
Model	Flow Rate	Lift	Suction	Air Consumption
VQBK-80PP	0-30 t/h	0-80 m	0-5 m	3.0 m ³ /min
VQB-100PP	0-35 t/h	0-80 m	0-5 m	3.5 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
- ✓ No mechanical seal is required, minimizing the risk of leakage.
- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet

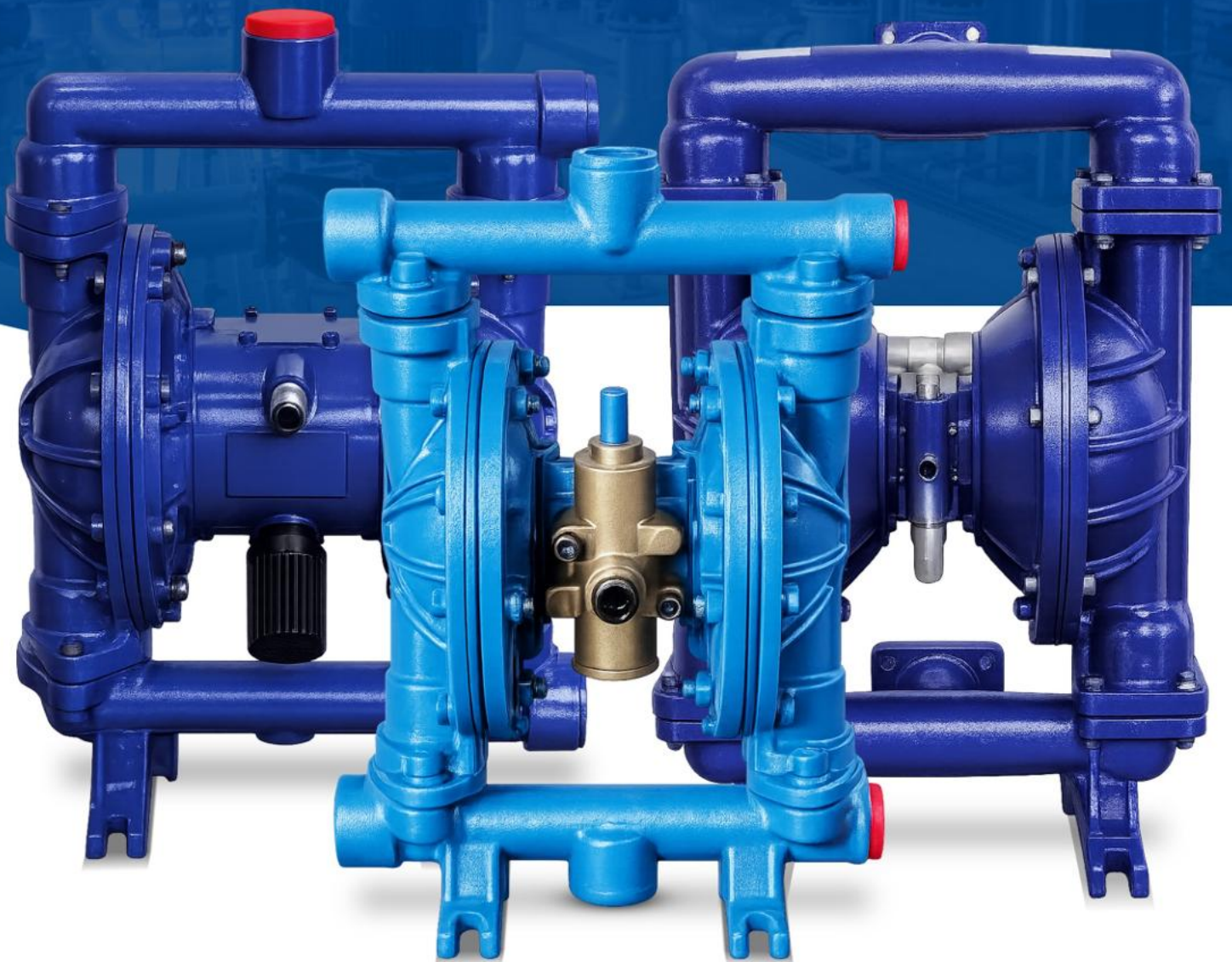
➡ BLUE ARROW: Suction

➡ ORANGE ARROW: Discharge

● BALL CHECK VALVE: Ball Check Valve System



CAST IRON PNEUMATIC DIAPHRAGM PUMPS



Cast Iron Pneumatic Diaphragm Pump is an air-operated diaphragm pump powered by compressed air and constructed with a durable cast iron body. It is designed to handle a wide range of industrial fluids, including oils, wastewater, slurries, and liquids containing suspended solids. The cast iron construction provides excellent mechanical strength, wear resistance, and durability, making it suitable for demanding applications in mining, construction, manufacturing, and general industrial processes. Its reliable performance and ability to operate safely in harsh environments make it a versatile fluid transfer solution.

CAST IRON PNEUMATIC DIAPHRAGM PUMPS

Cast Iron Pneumatic Diaphragm Pump is an air-operated diaphragm pump powered by compressed air and constructed with a durable cast iron body. It is designed to handle a wide range of industrial fluids, including oils, wastewater, slurries, and liquids containing suspended solids. The cast iron construction provides excellent mechanical strength, wear resistance, and durability, making it suitable for demanding applications in mining, construction, manufacturing, and general industrial processes. Its reliable performance and ability to operate safely in harsh environments make it a versatile fluid transfer solution.



TYPE

VQBK-10Z/VQBK-20Z



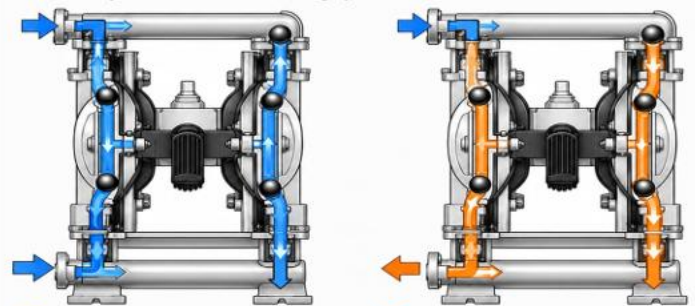
Model	Flow Rate	Lift	Suction	Air Consumption
VQBK-15Z	0-2 t/h	0-80 m	0-5 m	0.3 m ³ /min
VQBK-10Z	0-2 t/h	0-80 m	0-5 m	0.3 m ³ /min
VQBK-20Z	0-2 t/h	0-80 m	0-5 m	0.3 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
- ✓ No mechanical seal is required, minimizing the risk of leakage.
- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet



CAST IRON PNEUMATIC DIAPHRAGM PUMPS

Cast Iron Pneumatic Diaphragm Pump is an air-operated diaphragm pump powered by compressed air and constructed with a durable cast iron body. It is designed to handle a wide range of industrial fluids, including oils, wastewater, slurries, and liquids containing suspended solids. The cast iron construction provides excellent mechanical strength, wear resistance, and durability, making it suitable for demanding applications in mining, construction, manufacturing, and general industrial processes. Its reliable performance and ability to operate safely in harsh environments make it a versatile fluid transfer solution.



TYPE

VQBK-25Z/VQBK-40Z



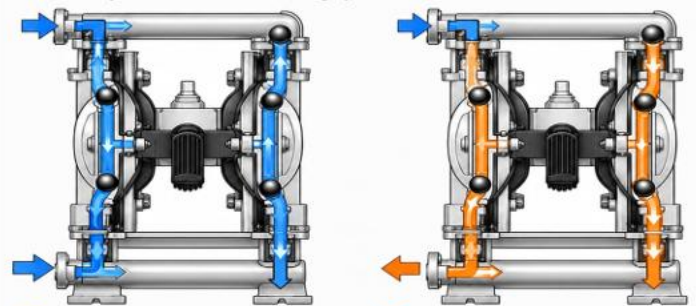
Model	Flow Rate	Lift	Suction	Air Consumption
VQBK-25Z	0-6 t/h	0-80 m	0-5 m	0.7 m ³ /min
VQBK-40Z	0-6 t/h	0-80 m	0-5 m	0.7 m ³ /min
VQBK-32Z	0-6 t/h	0-80 m	0-5 m	0.7 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
- ✓ No mechanical seal is required, minimizing the risk of leakage.
- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet



CAST IRON PNEUMATIC DIAPHRAGM PUMPS

Cast Iron Pneumatic Diaphragm Pump is an air-operated diaphragm pump powered by compressed air and constructed with a durable cast iron body. It is designed to handle a wide range of industrial fluids, including oils, wastewater, slurries, and liquids containing suspended solids. The cast iron construction provides excellent mechanical strength, wear resistance, and durability, making it suitable for demanding applications in mining, construction, manufacturing, and general industrial processes. Its reliable performance and ability to operate safely in harsh environments make it a versatile fluid transfer solution.



TYPE

VQBK-50Z/VQBK-65Z



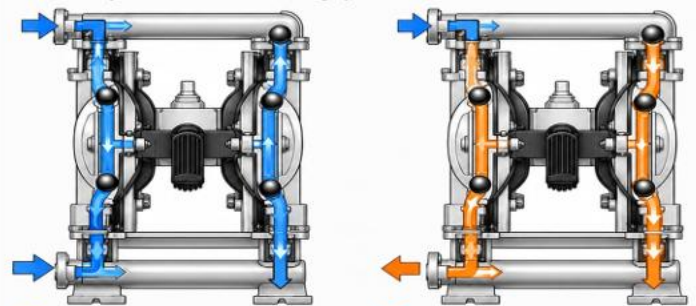
Model	Flow Rate	Lift	Suction	Air Consumption
VQBK-50Z	0-20 t/h	0-80 m	0-5 m	1.5 m ³ /min
VQBK-65Z	0-25 t/h	0-80 m	0-5 m	2.0 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
- ✓ No mechanical seal is required, minimizing the risk of leakage.
- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet



CAST IRON PNEUMATIC DIAPHRAGM PUMPS

Cast Iron Pneumatic Diaphragm Pump is an air-operated diaphragm pump powered by compressed air and constructed with a durable cast iron body. It is designed to handle a wide range of industrial fluids, including oils, wastewater, slurries, and liquids containing suspended solids. The cast iron construction provides excellent mechanical strength, wear resistance, and durability, making it suitable for demanding applications in mining, construction, manufacturing, and general industrial processes. Its reliable performance and ability to operate safely in harsh environments make it a versatile fluid transfer solution.



TYPE

VQBK-80Z/VQBK-100Z



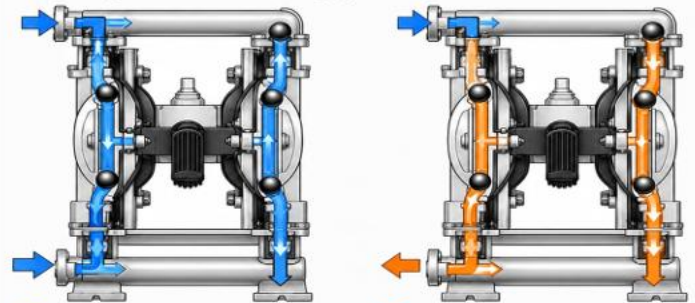
Model	Flow Rate	Lift	Suction	Air Consumption
VQBK-80Z	0-30 t/h	0-80 m	0-5 m	3.0 m ³ /min
VQBK-100Z	0-35 t/h	0-80 m	0-5 m	3.5 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
- ✓ No mechanical seal is required, minimizing the risk of leakage.
- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

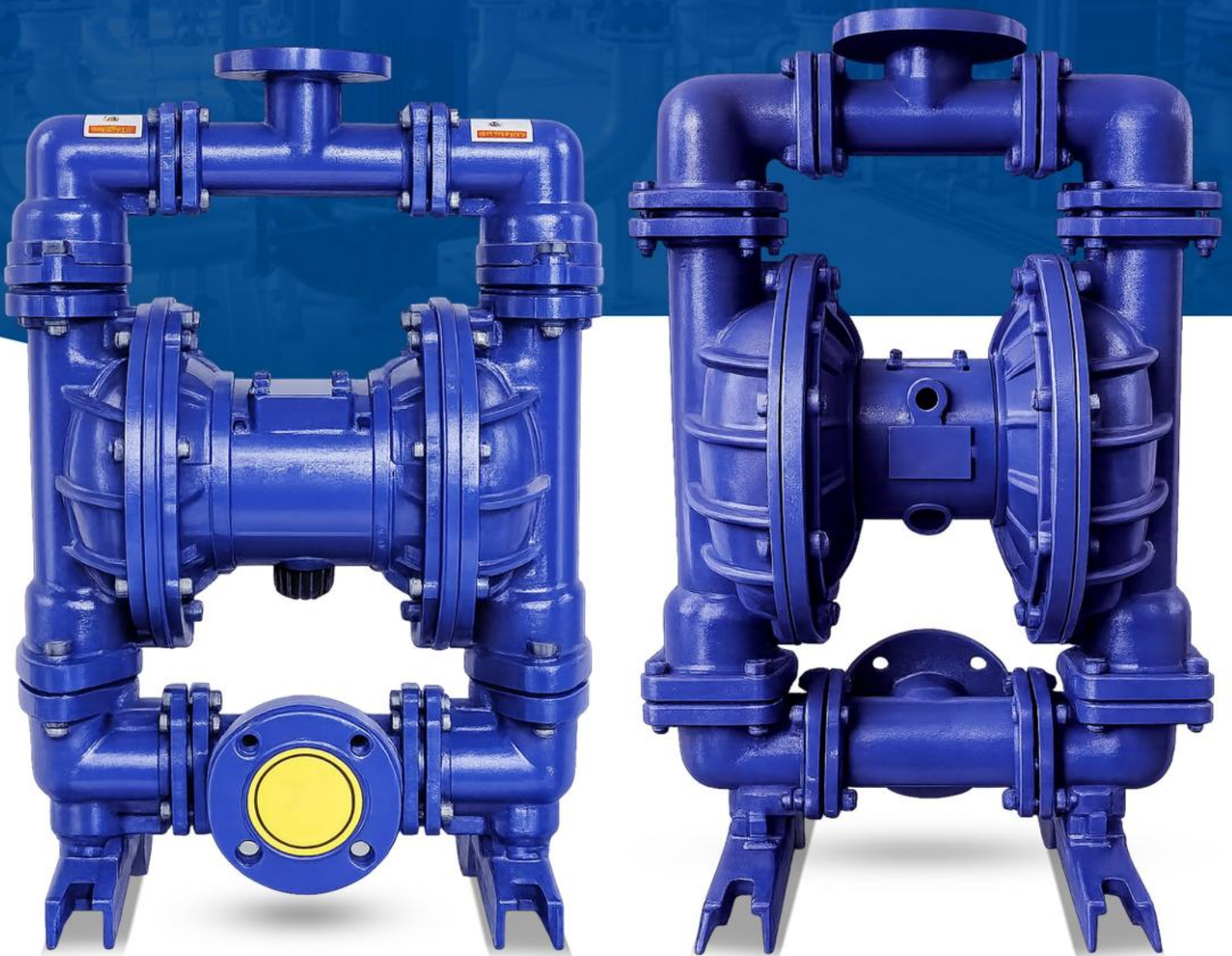
Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet



FLUORINE LINED **PNEUMATIC** DIAPHRAGM PUMPS



Fluorine-Lined Pneumatic Diaphragm Pump is an air-operated diaphragm pump powered by compressed air and equipped with a fluorine-lined wetted chamber, typically using PTFE or other fluoropolymer materials. It is specifically designed for handling highly corrosive, aggressive, and high-purity chemicals with maximum safety and reliability. The fluorine lining provides exceptional chemical resistance, prevents contamination, and extends service life in demanding applications. This pump is widely used in chemical processing, electroplating, pharmaceuticals, water treatment, and other industries that require superior corrosion protection and dependable fluid transfer performance.

FLUORINE LINED PNEUMATIC DIAPHRAGM PUMPS

Fluorine-Lined Pneumatic Diaphragm Pump is an air-operated diaphragm pump powered by compressed air and equipped with a fluorine-lined wetted chamber, typically using PTFE or other fluoropolymer materials. It is specifically designed for handling highly corrosive, aggressive, and high-purity chemicals with maximum safety and reliability. The fluorine lining provides exceptional chemical resistance, prevents contamination, and extends service life in demanding applications. This pump is widely used in chemical processing, electroplating, pharmaceuticals, water treatment, and other industries that require superior corrosion protection and dependable fluid transfer performance.



HIGH RELIABILITY



HIGH QUALITY



HIGH PERFORMANCE

TYPE

VQBK-25CF/VQBK-40CF



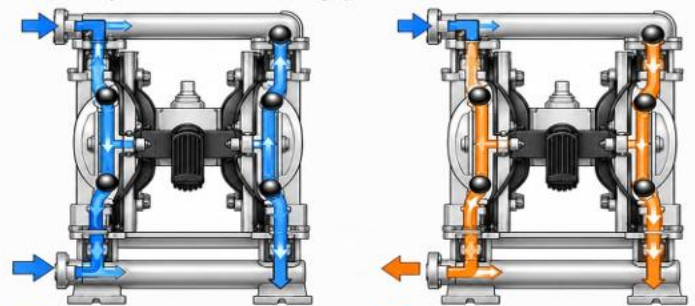
Model	Flow Rate	Lift	Suction	Air Consumption
VQBK-25CF	0-6 t/h	0-80 m	0-5 m	0.7 m ³ /min
VQBK-32CF	0-6 t/h	0-80 m	0-5 m	0.7 m ³ /min
VQBK-40CF	0-6 t/h	0-80 m	0-5 m	0.7 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
- ✓ No mechanical seal is required, minimizing the risk of leakage.
- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet

BLUE ARROW: Suction
 ORANGE ARROW: Discharge
 BALL CHECK VALVE: Ball Check Valve System

FLUORINE LINED PNEUMATIC DIAPHRAGM PUMPS

Fluorine-Lined Pneumatic Diaphragm Pump is an air-operated diaphragm pump powered by compressed air and equipped with a fluorine-lined wetted chamber, typically using PTFE or other fluoropolymer materials. It is specifically designed for handling highly corrosive, aggressive, and high-purity chemicals with maximum safety and reliability. The fluorine lining provides exceptional chemical resistance, prevents contamination, and extends service life in demanding applications. This pump is widely used in chemical processing, electroplating, pharmaceuticals, water treatment, and other industries that require superior corrosion protection and dependable fluid transfer performance.



HIGH RELIABILITY



HIGH QUALITY



HIGH PERFORMANCE

TYPE

VQBK-50CF/VQBK-65CF



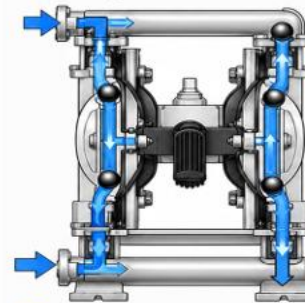
Model	Flow Rate	Lift	Suction	Air Consumption
VQBK-50CF	0–20 t/h	0–80 m	0–5 m	1.5 m ³ /min
VQBK-65CF	0–25 t/h	0–80 m	0–5 m	2.0 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
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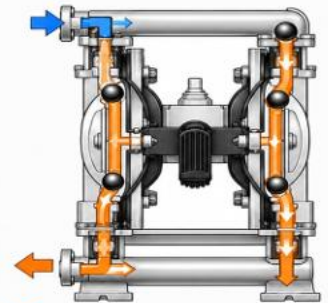
HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.



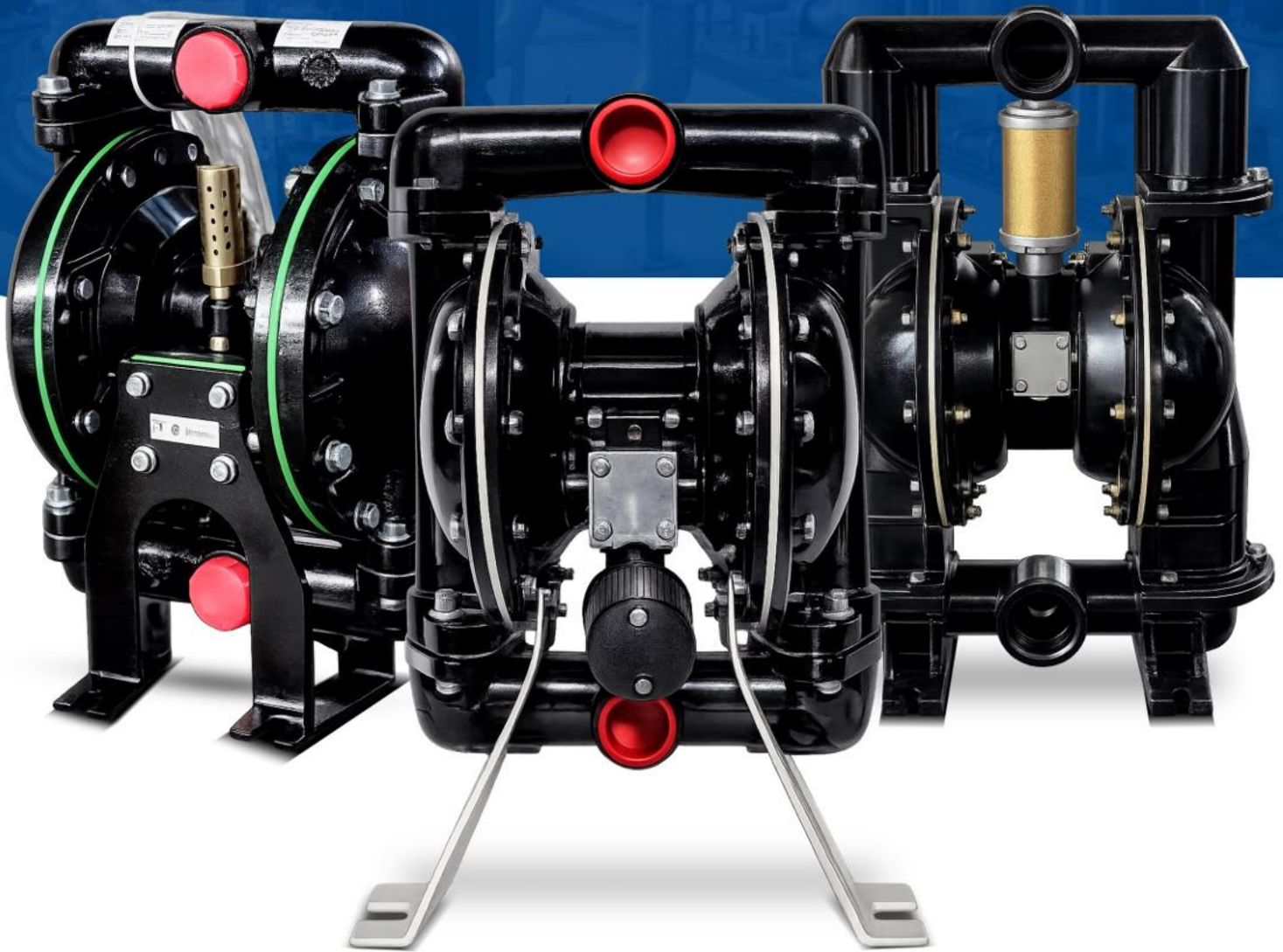
2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet valve opens.

BLUE ARROW: Suction
 ORANGE ARROW: Discharge
 BALL CHECK VALVE: Ball Check Valve System



INGERSOLL RAND TYPE **PNEUMATIC** DIAPHRAGM PUMPS



Ingersoll Rand Type Pneumatic Diaphragm Pump is an air-operated diaphragm pump designed based on the widely recognized Ingersoll Rand pump configuration. Powered by compressed air, it is capable of handling a wide variety of fluids, including chemicals, oils, slurries, wastewater, and liquids containing solid particles. The pump offers reliable performance, self-priming capability, dry-run operation, and low maintenance requirements. Its robust design makes it suitable for demanding applications in chemical processing, mining, manufacturing, water treatment, and general industrial fluid transfer.

INGERSOLL RAND TYPE PNEUMATIC DIAPHRAGM PUMPS

Ingersoll Rand Type Pneumatic Diaphragm Pump is an air-operated diaphragm pump designed based on the widely recognized Ingersoll Rand pump configuration. Powered by compressed air, it is capable of handling a wide variety of fluids, including chemicals, oils, slurries, wastewater, and liquids containing solid particles. The pump offers reliable performance, self-priming capability, dry-run operation, and low maintenance requirements. Its robust design makes it suitable for demanding applications in chemical processing, mining, manufacturing, water treatment, and general industrial fluid transfer.



HIGH RELIABILITY



HIGH QUALITY



HIGH PERFORMANCE

TYPE
VQBY4-25L



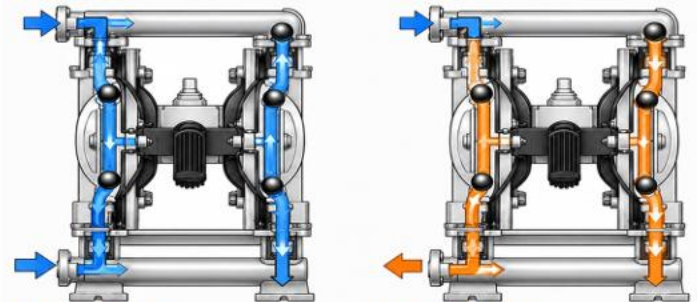
Model	Flow Rate	Lift	Suction	Air Consumption
VQBY4-25L	0-8 t/h	0-80 m	0-5 m	0.7 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
- ✓ No mechanical seal is required, minimizing the risk of leakage.
- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet

BLUE ARROW: Suction

ORANGE ARROW: Discharge

BALL CHECK VALVE: Ball Check Valve System

INGERSOLL RAND TYPE PNEUMATIC DIAPHRAGM PUMPS

Ingersoll Rand Type Pneumatic Diaphragm Pump is an air-operated diaphragm pump designed based on the widely recognized Ingersoll Rand pump configuration. Powered by compressed air, it is capable of handling a wide variety of fluids, including chemicals, oils, slurries, wastewater, and liquids containing solid particles. The pump offers reliable performance, self-priming capability, dry-run operation, and low maintenance requirements. Its robust design makes it suitable for demanding applications in chemical processing, mining, manufacturing, water treatment, and general industrial fluid transfer.



HIGH RELIABILITY



HIGH QUALITY



HIGH PERFORMANCE

TYPE
VQBY4-40L



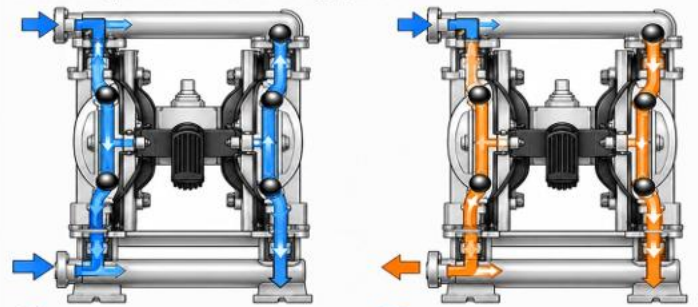
Model	Flow Rate	Lift	Suction	Air Consumption
VQBY4-40L	0-15 t/h	0-80 m	0-5 m	1.2 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
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- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet

→ BLUE ARROW: Suction

→ ORANGE ARROW: Discharge

● BALL CHECK VALVE: Ball Check Valve System

INGERSOLL RAND TYPE PNEUMATIC DIAPHRAGM PUMPS

Ingersoll Rand Type Pneumatic Diaphragm Pump is an air-operated diaphragm pump designed based on the widely recognized Ingersoll Rand pump configuration. Powered by compressed air, it is capable of handling a wide variety of fluids, including chemicals, oils, slurries, wastewater, and liquids containing solid particles. The pump offers reliable performance, self-priming capability, dry-run operation, and low maintenance requirements. Its robust design makes it suitable for demanding applications in chemical processing, mining, manufacturing, water treatment, and general industrial fluid transfer.



HIGH RELIABILITY



HIGH QUALITY



HIGH PERFORMANCE

TYPE
VQBY4-40P



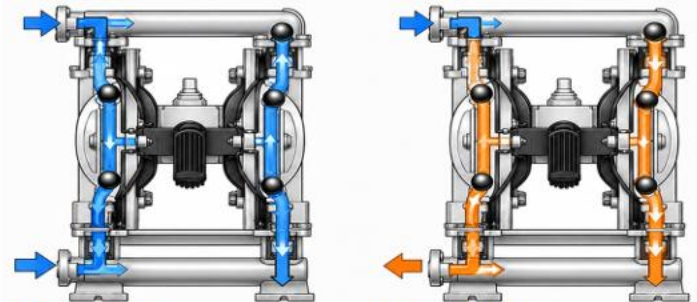
Model	Flow Rate	Lift	Suction	Air Consumption
VQBY4-40P	0–15 t/h	0–80 m	0–5 m	1.2 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
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HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



BLUE ARROW: Suction

ORANGE ARROW: Discharge

BALL CHECK VALVE: Ball Check Valve System

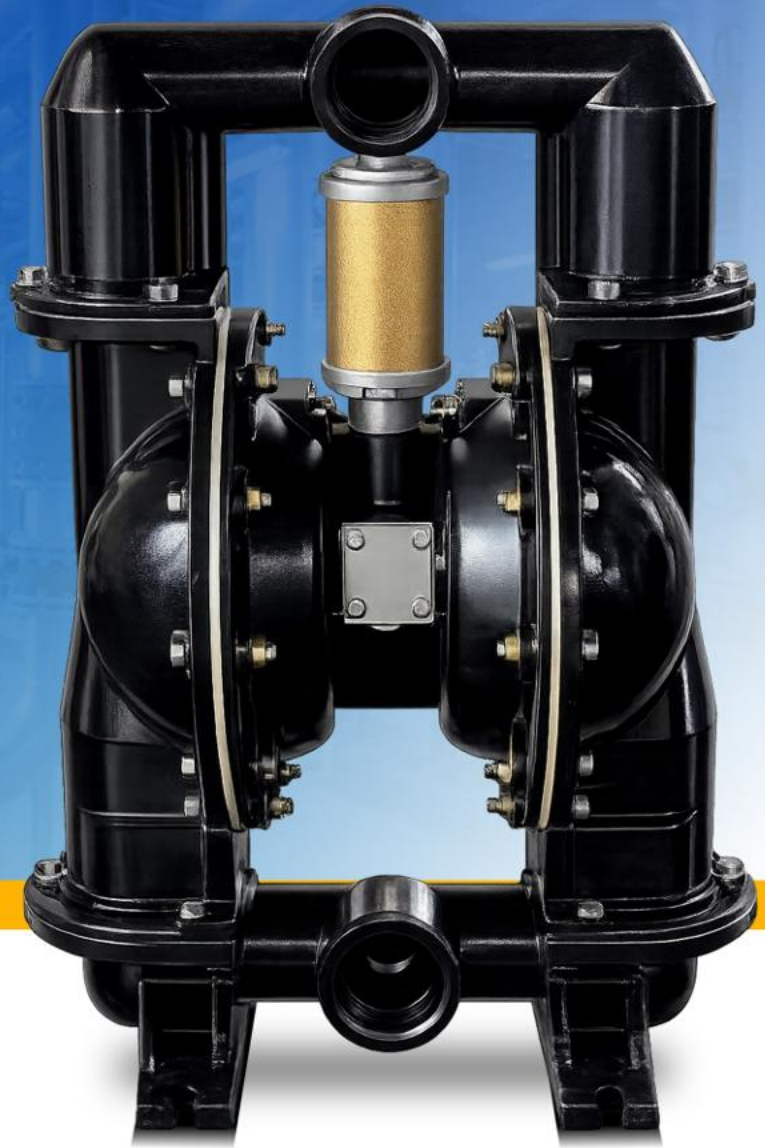
INGERSOLL RAND TYPE PNEUMATIC DIAPHRAGM PUMPS

Ingersoll Rand Type Pneumatic Diaphragm Pump is an air-operated diaphragm pump designed based on the widely recognized Ingersoll Rand pump configuration. Powered by compressed air, it is capable of handling a wide variety of fluids, including chemicals, oils, slurries, wastewater, and liquids containing solid particles. The pump offers reliable performance, self-priming capability, dry-run operation, and low maintenance requirements. Its robust design makes it suitable for demanding applications in chemical processing, mining, manufacturing, water treatment, and general industrial fluid transfer.



TYPE

VQBY4-50L/VQBY4-80L



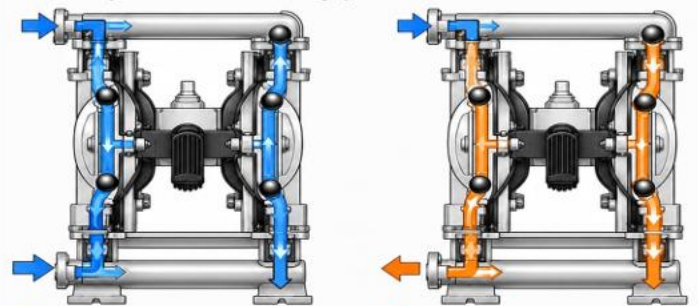
Model	Flow Rate	Lift	Suction	Air Consumption
VQBY4-50L	0–25 t/h	0–80 m	0–5 m	2.2 m ³ /min
VQBY4-80L	0–38 t/h	0–80 m	0–5 m	3.6 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
- ✓ No mechanical seal is required, minimizing the risk of leakage.
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A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



1 SUCTION

Compressed air enters the left side of the pump, pushing the diaphragm to the right and creating a vacuum in the left chamber. The inlet ball valve opens, allowing liquid to be drawn into the pump.

2 DISCHARGE

Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet



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HIGH RELIABILITY

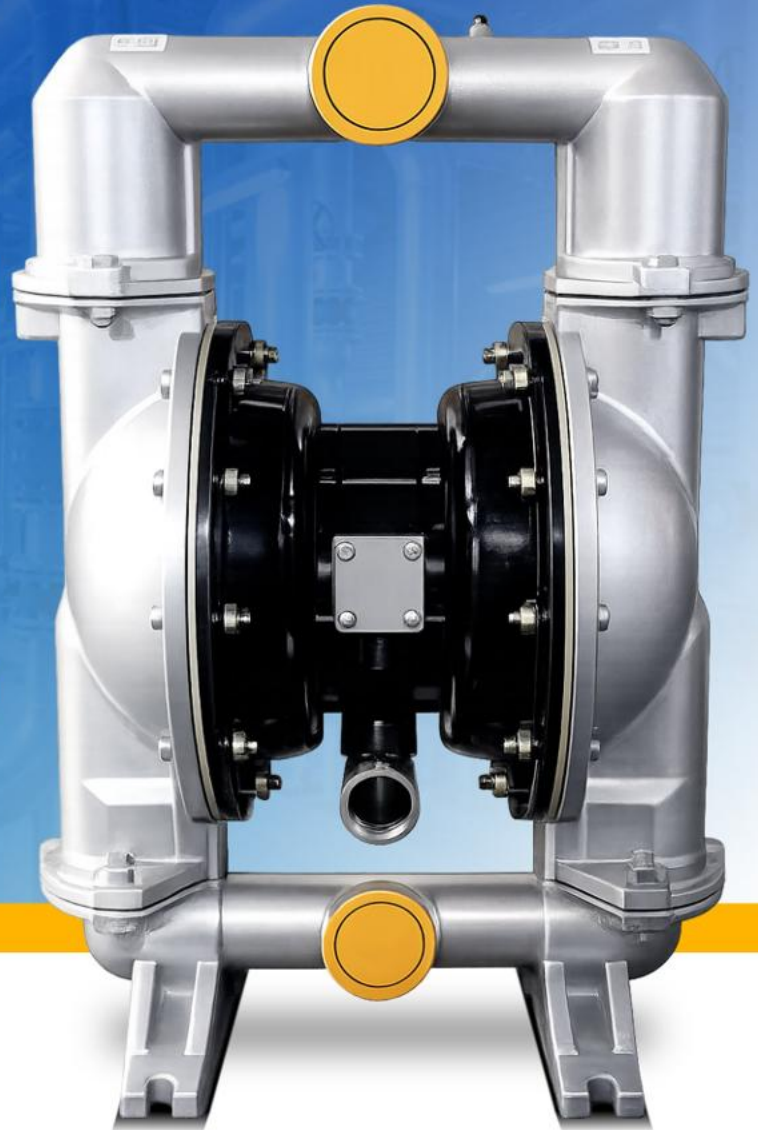


HIGH QUALITY



HIGH PERFORMANCE

TYPE
VQBY4-25L



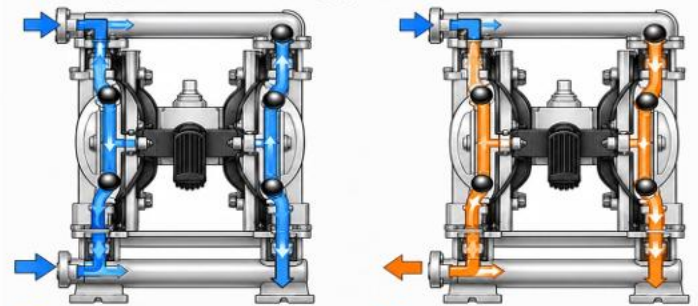
Model	Flow Rate	Lift	Suction	Air Consumption
VQBY4-25L	0–8 t/h	0–80 m	0–5 m	0.7 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
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Compressed air enters the right side of the pump, pushing the diaphragm to the left and forcing the liquid in the left chamber to flow out through the outlet valve. The inlet valve closes while the outlet

BLUE ARROW: Suction
 ORANGE ARROW: Discharge
 BALL CHECK VALVE: Ball Check Valve System

INGERSOLL RAND TYPE PNEUMATIC DIAPHRAGM PUMPS

Ingersoll Rand Type Pneumatic Diaphragm Pump is an air-operated diaphragm pump designed based on the widely recognized Ingersoll Rand pump configuration. Powered by compressed air, it is capable of handling a wide variety of fluids, including chemicals, oils, slurries, wastewater, and liquids containing solid particles. The pump offers reliable performance, self-priming capability, dry-run operation, and low maintenance requirements. Its robust design makes it suitable for demanding applications in chemical processing, mining, manufacturing, water treatment, and general industrial fluid transfer.



HIGH RELIABILITY

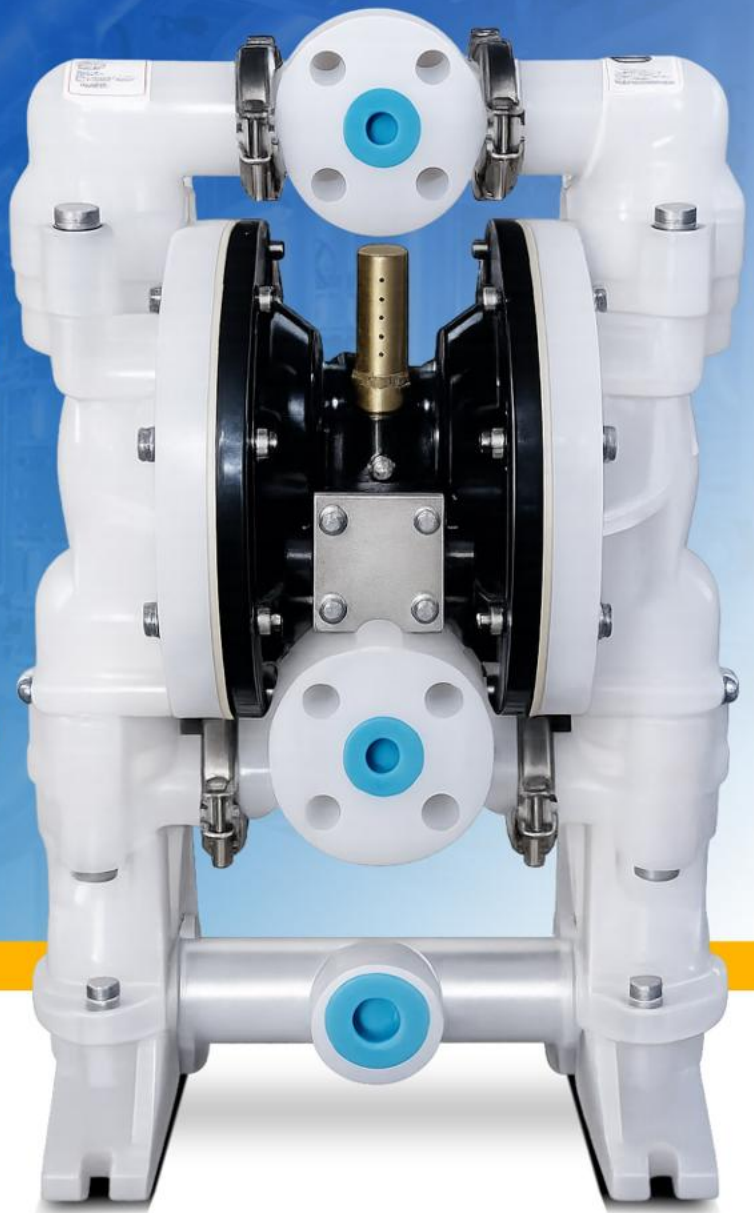


HIGH QUALITY



HIGH PERFORMANCE

TYPE
VQBY4-40L



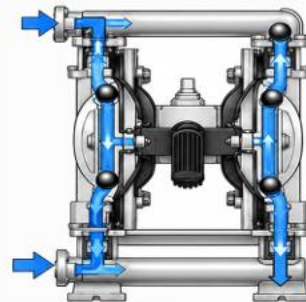
Model	Flow Rate	Lift	Suction	Air Consumption
VQBY4-40L	0–15 t/h	0–80 m	0–5 m	1.2 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure. Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
- ✓ No mechanical seal is required, minimizing the risk of leakage.
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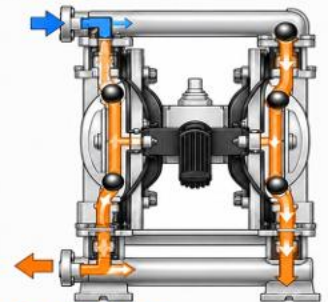
HOW PNEUMATIC DIAPHRAGM PUMPS WORK

A Pneumatic Diaphragm Pump operates by using compressed air to move two diaphragms alternately. The back-and-forth movement of the diaphragms creates suction and discharge cycles, allowing liquid to be transferred efficiently from one point to another. A ball check valve system ensures that the liquid flows in one direction only and remains stable during operation.



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BLUE ARROW: Suction
 ORANGE ARROW: Discharge
 BALL CHECK VALVE: Ball Check Valve System

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HIGH RELIABILITY

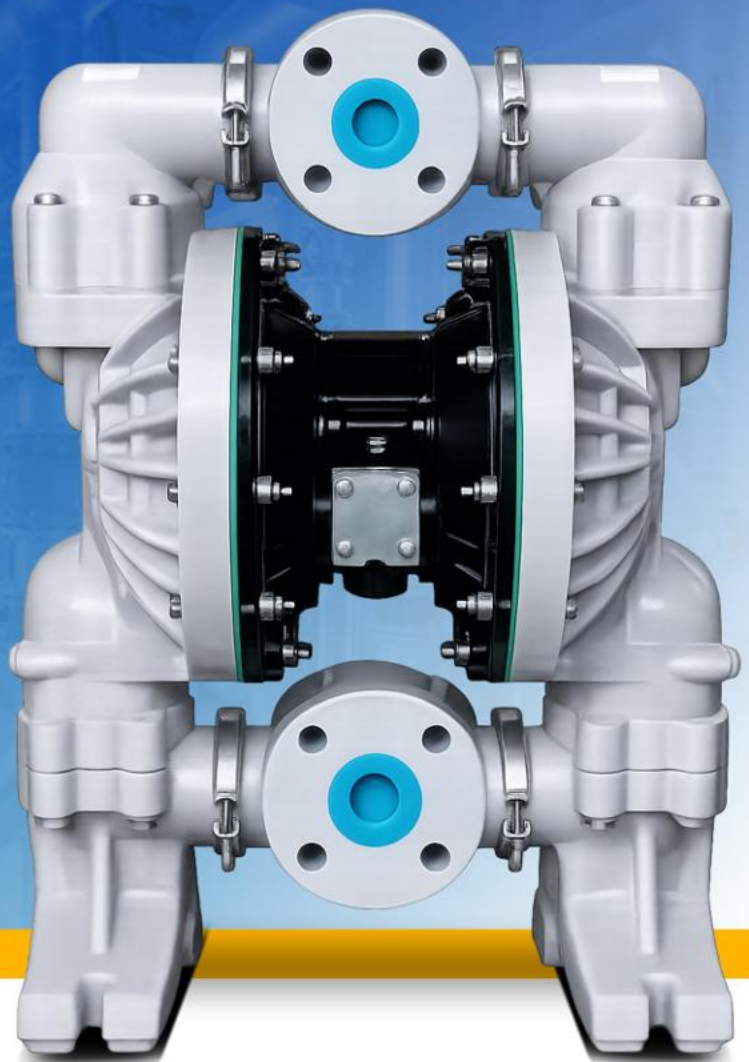


HIGH QUALITY



HIGH PERFORMANCE

TYPE
VQBY4-40P



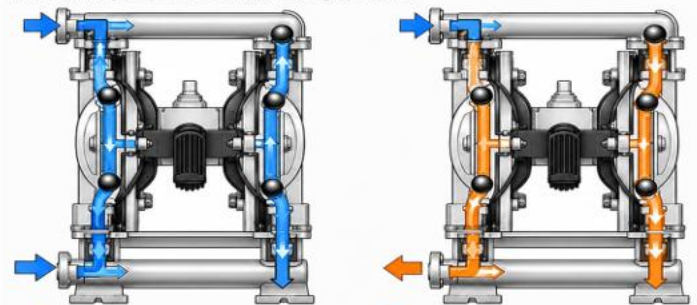
Model	Flow Rate	Lift	Suction	Air Consumption
VQBY4-40P	0–15 t/h	0–80 m	0–5 m	1.2 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
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HIGH RELIABILITY



HIGH QUALITY



HIGH PERFORMANCE

TYPE

VQBY4-50L/VQBY4-80L



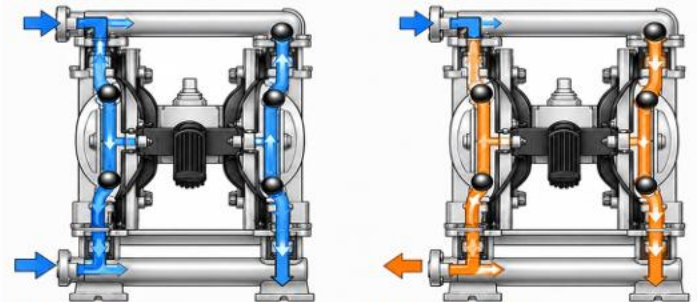
Model	Flow Rate	Lift	Suction	Air Consumption
VQBY4-50L	0–25 t/h	0–80 m	0–5 m	2.2 m ³ /min
VQBY4-80L	0–38 t/h	0–80 m	0–5 m	3.6 m ³ /min

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
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BLUE ARROW: Suction

ORANGE ARROW: Discharge

BALL CHECK VALVE: Ball Check Valve System

ELECTRIC

DIAPHRAGM PUMPS



Electric Diaphragm Pump is a diaphragm pump powered by an electric motor, designed to transfer a wide range of liquids efficiently and reliably. It operates by reciprocating diaphragms that create suction and discharge actions, making it suitable for handling clean liquids, chemicals, viscous fluids, and liquids containing small particles. The pump offers stable flow rates, energy-efficient operation, low noise levels, and easy maintenance. It is widely used in water treatment, chemical processing, food and beverage, agriculture, and various industrial applications requiring dependable fluid transfer.

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TYPE VDBY-15PVDF



**HIGH
RELIABILITY**



**HIGH
PERFORMANCE**



**HIGH
QUALITY**



Model	Flow Rate	Lift	Suction	Power
VDBY-15PVDF	0-5 t/h	0-40 m	0-3 m	0.55 kW

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure.
- ✓ Simple construction allows for easy maintenance and convenient replacement of spare parts.
- ✓ Low air consumption with high operating efficiency.
- ✓ No mechanical seal is required, minimizing the risk of leakage.
- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

ELECTRIC DIAPHRAGM PUMPS

TYPE

VDBY-50/VDBY-65

Electric Diaphragm Pump is a diaphragm pump powered by an electric motor, designed to transfer a wide range of liquids efficiently and reliably. It operates by reciprocating diaphragms that create suction and discharge actions, making it suitable for handling clean liquids, chemicals, viscous fluids, and liquids containing small particles. The pump offers stable flow rates, energy-efficient operation, low noise levels, and easy maintenance. It is widely used in water treatment, chemical processing, food and beverage, agriculture, and various industrial applications requiring dependable fluid transfer.



**HIGH
RELIABILITY**



**HIGH
PERFORMANCE**



**HIGH
QUALITY**

Model	Flow Rate	Lift	Suction	Power
VDBY-50	0–6.5 t/h	0–40 m	0–4.5 m	2.2 kW
VDBY-65	0–8 t/h	0–40 m	0–4.5 m	2.2 kW

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
- ✓ Can operate under dry-running conditions without causing damage to the pump.
- ✓ Flow rate can be easily adjusted by regulating the air pressure.
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- ✓ No mechanical seal is required, minimizing the risk of leakage.
- ✓ Suitable for use in chemical processing, water treatment, mining, construction, manufacturing, and various other liquid transfer applications.

ELECTRIC DIAPHRAGM PUMPS

TYPE

VDBY-25/VDBY-40

Electric Diaphragm Pump is a diaphragm pump powered by an electric motor, designed to transfer a wide range of liquids efficiently and reliably. It operates by reciprocating diaphragms that create suction and discharge actions, making it suitable for handling clean liquids, chemicals, viscous fluids, and liquids containing small particles. The pump offers stable flow rates, energy-efficient operation, low noise levels, and easy maintenance. It is widely used in water treatment, chemical processing, food and beverage, agriculture, and various industrial applications requiring dependable fluid transfer.



**HIGH
RELIABILITY**



**HIGH
PERFORMANCE**



**HIGH
QUALITY**



Model	Flow Rate	Lift	Suction	Power
VDBY-25	0–3.5 t/h	0–40 m	0–4 m	1.5 kW
VDBY-40	0–4.5 t/h	0–40 m	0–4 m	1.5 kW

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
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ELECTRIC DIAPHRAGM PUMPS

TYPE

VDBY-80/VDBY-100

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**HIGH
RELIABILITY**



**HIGH
PERFORMANCE**



**HIGH
QUALITY**

Model	Flow Rate	Lift	Suction	Power
VDBY-80	0–16 t/h	0–40 m	0–4 m	4.0 kW
VDBY-100	0–20 t/h	0–40 m	0–4 m	4.0 kW

FEATURE

- ✓ The body is made of lightweight, durable, and corrosion-resistant aluminum alloy.
- ✓ Powered by compressed air, making it safe for use in potentially flammable or explosive environments.
- ✓ Capable of handling a wide range of fluids, including chemicals, oils, solvents, sludge, and liquids containing solid particles.
- ✓ Self-priming design provides excellent suction performance.
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