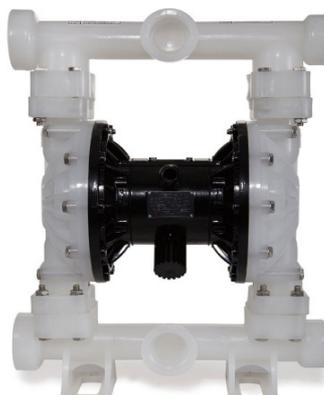


Pneumatic Diaphragm Pump



SASTEC ST-QBY3, is the third generation pneumatic diaphragm pump, it is of high quality construction, long durability, low noise and low vibration. This equipment is the result of our research and later developed for the market.

SASTEC ST-QBY3 has the following characteristics:

- Self suction capacity can reach up to 5.4 meters with head of delivery up to 70m and discharge pressure above 7 bars.
- Excellent performance, particle with diameter below 4.8mm can easily pass through the pump. It can handle sludge and slurries with relatively high amount of solid content.
- Head of delivery and flow can be steplessly regulated through controlling the valve switch.
- There is no rotating parts, no seal. The medium will not leaked because the diaphragm has separated the transmitted medium from the transmission machine. Suction and transmission of various special mediums, such as various toxic, strongly acidic, volatile liquids without any damage to the environment and operators;
- It is safe to use in a flammable and explosive environment that does not use electricity.
- It can be operated when immersed in the transmitted medium.
- It is user-friendly, reliable, and easy to operate by switching it on and off. It will stop automatically when the tank/container is full and continue to run automatically after the contents have been removed.
- It's simple construction, spares are easy to install and maintain. The transmitted medium will not come in contact with the distributing valve or connecting rod and other moving parts. Unlike other models, our pumps do not use components like rotors, piston, gears, and vanes which are costly and difficult to replace incase of breakdown.
- It can handle highly viscous liquids (viscosity under 10,000 centipoises)
- One of the most noticeable characteristic is that there is no damage to the pump even by running dry and it does not use any oil for lubrication. Parts in contact with medium is Stainless steel and PTFE membrane.
- Plastic flange pressure: PN 0.6mpa (10bar); Metal flange pressure: PN 1.0mpa (10bar).

Specification of Pneumatic Diaphragm Pump

Model	Max. Flow Rate (L/min)	Max. Head (m)	Suction Lift (m)	Discharge Pressure (kg)	Connection (mm)	Air Inlet Size (in)	Max. allowed Particle (mm)	Air Consumption (m ³ /min)	Min. Power of Air Compressor (kw)
ST-QBY3-10	17	70	3	7	10	1/4	1.5	0.2	3
ST-QBY3-15	17	70	3	7	15	1/4	1.5	0.2	3
ST-QBY3-20	50	70	4	7	20	1/4	2.5	0.36	3
ST-QBY3-25	50	70	4	7	25	1/4	2.5	0.36	3
ST-QST-BY3-25A	100	80	5	8.3	25	1/2	3	0.67	5.5
ST-QBY3-32	150	80	5	8.3	32	1/2	4	0.67	5.5
ST-QBY3-40	150	80	5	8.3	40	1/2	4	0.67	5.5
ST-QBY3-50	340	80	5	8.3	50	1/2	5	0.9	7.5
ST-QBY3-65	340	80	5	8.3	65	1/2	5	0.9	7.5
ST-QBY3-80	570	80	5	8.3	80	1/2	6	1.5~2.0	11~15
ST-QBY3-100	570	80	5	8.3	100	1/2	6	1.5~2.0	11~15
ST-QBY3-125	1000	80	5	8.3	125	3/4	10	5	18.5
ST-QBY3-150	1000	80	5	8.3	150	3/4	10	5	18.5