

The highly engineered Verderair air-operated double diaphragm pumps flow range is from 0.1 up to 1050 l/min and pressures up to 8.4 bar. The reliable air valve design guarantees a perfect, non-stalling operation, even at low pressure and does not need any lubrication. Thanks to the unique design, the Verderair is able to handle very abrasive and / or viscous products. The Verderair will run dry indefinitely without damage.

Application areas

- Chemicals
- Pharmaceuticals
- Waste water treatment
- Water purification
- Shipping/shipbuilding
- Paper industry
- Paint and printing ink industry

Advantages and characteristics

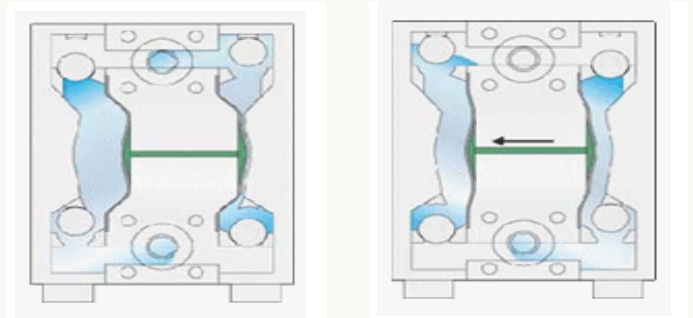
- Simple installation
- Maintenance friendly
- Easy to operate
- Self-priming when dry
- No air lubrication needed
- Sanitary version possible

Benefits

- Reduced maintenance costs - 2 U-cups are the only wear part in the air valve
- Low downtime for maintenance - easy to change the air valve without stripping the pump
- Minimal operational downtime – no risk of freezing with outgoing compressed air managed by pump
- Reduced total cost of ownership - slower stroke speed, therefore a longer lifetime of the diaphragm

Working principle

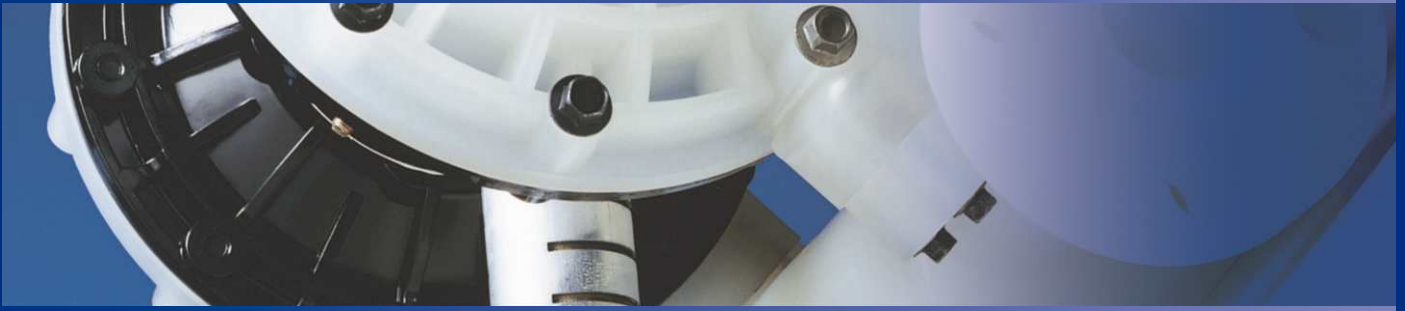
- Air driven
- Positive displacement principle
- Air valve directs pressurized air to the diaphragms by positive displacement
- Atmospheric pressure forces fluid into the inlet manifold forcing the inlet ball valves off its seat



Models

Verderair diaphragm pumps provide flexible, reliable flow in all circumstances. The design of the control valve guarantees perfect operation that never jams and that does not have to be lubricated even at low compressed air pressure and high backpressure. VERDER has chosen materials that offer an optimal combination of advantages.

Model	Series	Flow Range	Air Pressure	Suction Discharge	Casing Material	Max. Solid Size
VA 8	Plastic	19 l/m	7 bar	¼" BSP	KY/PP/AC	1.5mm
VA 10	Plastic	26 l/m	7 bar	3/8" BSP	PP/AC	1.6mm
VA 15	Plastic	57 l/m	7 bar	½" BSP	KY/PP/AC	2.5mm
VA 20	Metal	61 l/m	7 bar	¾" BSP	SS 316/ ALU	2.5mm
VA 25	Plastic	151 l/min	8, 4 bar	1" Flanged	KY/PP/AC	3.2mm
VA 25	Metal	151 l/min	8, 4 bar	1" BSP	SS 316/ ALU	3.2mm
VA 40	Plastic	379 l/min	8, 4 bar	1.5" Flanged	KY/PP	4.8mm
VA 40	Metal	379 l/min	8, 4 bar	1.5" BSP	SS 316/ ALU	4.8mm
VA 50	Plastic	568 l/min	8, 4 bar	2" Flanged	KY/PP	6.3mm
VA 50	Metal	568 l/min	8, 4 bar	2" BSP	SS 316/CI/ALU	6.3mm
VA 80	Metal	1060 l/min	8, 4 bar	3" Flanged	ALU	9.4mm



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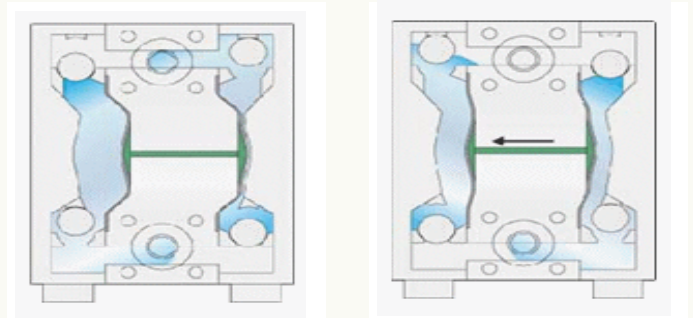
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