

10 REASONS FOR A DAYTON AODD PUMP

SELECTING THE RIGHT PUMP

When it comes to quality, performance, and reliability, there's no better value in Air-Operated Double Diaphragm (AODD) pumps than Dayton. Below are ten effective reasons to specify a Dayton AODD pump.

1. HANDLES A WIDE RANGE OF FLUIDS

No close fittings or rotating parts so high viscosity liquids, acids, caustics and slurry's with high concentrations of solids and/or size can be easily pumped.

2. SHEAR SENSITIVITY

The gentle nature and minimal parts contact with the liquid make AODD pumps an excellent choice for shear sensitive fluids, like wine or ink.

3. DEAD HEAD

Because the discharge pressure can never exceed air inlet pressure, the discharge line can be closed with no damage or wear. The pump will simply slow down and stop, it will not overheat and no pressure relief valve is needed.

4. SELF-PRIMING

The design of the pump allows for high suction lift even at dry start-up and with heavier fluids. No need to prime the pump.

5. ABILITY TO RUN DRY

With no close fittings or sliding parts at risk, the pump can operate even when dry, without massive damage. No mechanical seals to burn out or gears to lock up.

6. EXPLOSION PROOF / INTRINSICALLY SAFE

The pump is operated by compressed air, making it intrinsically safe and considered explosion proof when grounded properly.

7. PUMPING EFFICIENCY REMAINS CONSTANT

There are no rotors, gears, or pistons, which wear over time and lead to the gradual decline in performance/flow rate.

8. VARIABLE FLOW RATE AND DISCHARGE PRESSURE

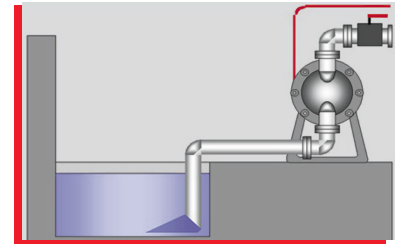
The pumps will run at any setting within their operation range by simply adjusting the air inlet pressure and liquid discharge settings. One pump can fit a broad spectrum of applications.

9. PORTABLE / SIMPLE INSTALLATION

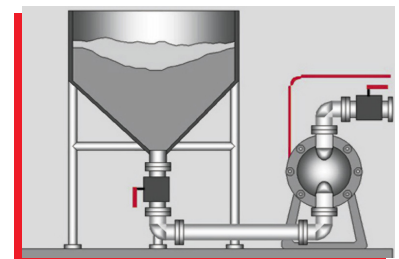
Simply connect your air supply and liquid lines and it's ready to perform. No complex controls to install and operate.

10. SUBMERSIBLE

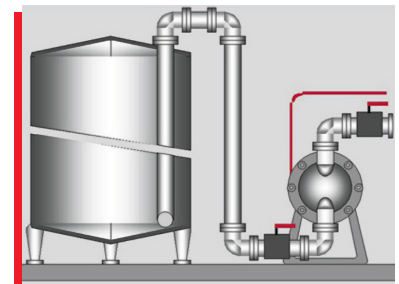
If external components are compatible, the pump can be submerged in the liquid by simply running the exhaust line above the liquid level.



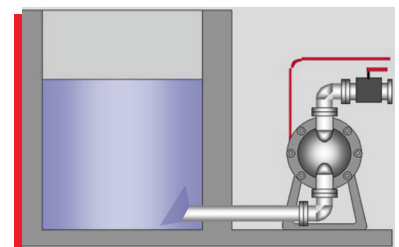
Sump Negative Suction



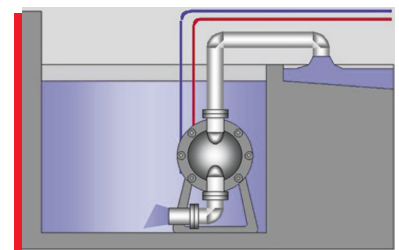
Hopper Positive Suction



Tank Negative Suction



Tank Positive Suction



Submersed Pump