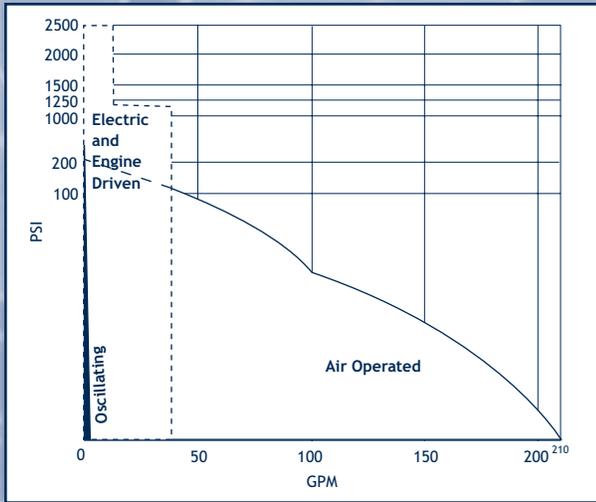


DIAPHRAGM / OSCILLATING PUMPS

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RULES OF THUMB

Need a fool proof pump? The air operated diaphragm pump is the most forgiving pump in existence. It will automatically compensate when its discharge is restricted or shut completely off, its air supply is restricted or the liquid viscosity changes. If the pump materials are compatible with the liquid being pumped it is almost impossible to prematurely destroy it!

Pulsating Flow - The diaphragm pumping principle naturally pulsates. This can cause difficulty when flow meters and instrumentation are present in your system. By increasing the number of pumping chambers in a particular model, manufacturers have been able to deliver a smoother liquid discharge. Consult with us if a smooth flow is important for your application.

Dry Running - If you need a dry running pump, you're starting in the right place. Most diaphragm pump designs can run dry indefinitely.

200 PSI AODD

Yamada's 2:1 ratio air operated diaphragm pump will deliver up to 200 psi of discharge pressure with only 100 psi of inlet air pressure. This high pressure option is available in 3/4" to 3" port sizes, 1 to 100 gpm flows, seven different elastomers and housing material choices of stainless steel, cast iron or aluminum.



VARIABLE SPEED SEWAGE PUMP

This unique pump assembly was created for a marina that required a 115vac variable speed self-priming pump to empty onboard holding tanks of sewage and effluent. We supplied this 2" bronze diaphragm pump with a 90 vdc, 3/4 hp motor with a 115 vac controller box conveniently mounted on its rear.



MINI AODD

Flojet's mini air operated diaphragm pump is only 2 3/8" thick, 4 1/32" tall and 6" wide! It will self-prime to 28 feet dry and 32 feet wet, will handle temperatures to 120°F and move up to 2 gallons per minute. The housing is an Acetal Copolymer and has four different elastomer options (Buna, Viton®, Santoprene and Geolast). For more details see page 30.



DEMAND SPRAY OR DISPENSING PUMP WITH VARIABLE FLOW

One of the most destructive and frustrating situations that occurs with demand diaphragm pumps is switch cycling due to pump miss-sizing or the variable flow requirements of the application. This innovative pump design incorporates a patent pending solid state micro controller that regulates the speed of the motor to maintain a constant discharge pressure regardless of how low a flow is required. See page 32 for additional information. Additional sizes and voltages are constantly becoming available. Call for details.

