

PROGRESSING CAVITY / PERISTALTIC

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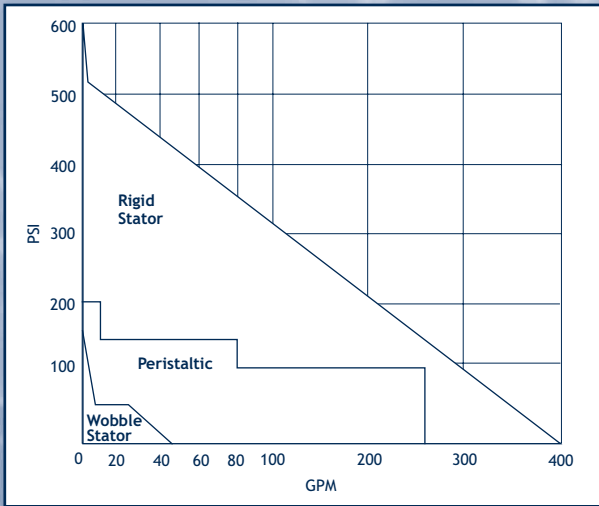
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RULES OF THUMB

Watch The Elastomers! It is truly amazing what the progressing cavity principle can pump! If you can get the liquid into the inlet of the pump, no matter how thick or abrasive, it will move your liquid (of course speed adjustment may be required). Your real limitation is the liquid and temperature compatibility of the elastomers you choose for your pump. Call us... we'll help!

Bigger And Slower Mean Less Repairs! The rotor and stator of a progressing cavity pump are sacrificial items that eventually need replacing. The more abrasive the liquid the more rapidly the parts wear. To minimize maintenance costs and maximize in-service hours, oversize your pump and turn it slower to achieve your desired flow. The slower the rotation the longer your pump will last!

Short On Space? Money? The flexible impeller pump design will perform well in many traditional progressing cavity applications and they have a significantly smaller footprint and acquirement cost. Give us a call to see if a flexible impeller pump is right for your installation.

STRINGY SITUATION!

This peristaltic pump assembly was the answer to this customer's challenging requirements. He was attempting to lift a somewhat viscous and stringy solid-laden product and transfer it to another area of his plant. The suction lift, viscosity and stringy nature of the product eliminated most pump designs.

The peristaltic principle was the perfect solution. It is a great self-primer, will handle high viscosities and solids with ease and its valveless design will not be clogged by the stringy nature of the product.



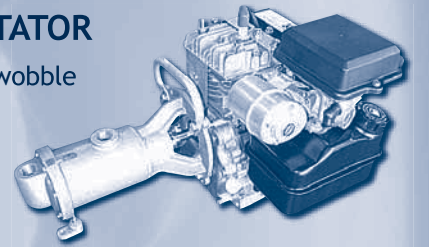
CHEMICAL FILTER PRESS PUMP!

This 316 stainless steel progressing cavity pump assembly was equipped with a Teflon® stator and seal to handle the wide varieties of chemicals and solid impurities the customer was transferring into a filter press. It was mounted on a cost efficient channel steel base with a three phase TEFC motor and gear reducer.



GAS ENGINE WOBBLE STATOR

Oberdorfer's gas engine driven wobble stator progressing cavity pump will handle many "powder in suspension" spray applications often found in agricultural, lawn and tile roof maintenance applications. It will deliver up to 10 gpm and develop up to 100 psi with only a 3 1/2 hp engine! See page 40 for additional information.



WHEN GENTLE NON-AGITATING FLOW IS REQUIRED

An OEM required a pump that would gently, without agitation, transfer a mixture of liquids with different densities into their separation system to isolate the desired from the undesirable fluids. Too much agitation would emulsify the fluids and make separation extremely difficult. The progressing cavity design is inherently gentle and with the variable speed motor and inverter we supplied the customer was able to feed his liquid mixture at the most efficient rate into their separators. Hundreds of their units are now in use throughout the United States.

