

FLEXIBLE IMPELLER PUMPS

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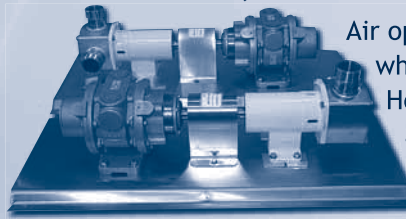
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SMOOTH FLOW, AIR OPERATED



Air operated diaphragms are great when pulsation is not an issue. However, there are many applications where a smooth flow is desirable or a must. These pumps were supplied

on a very unique application where smooth flow was required by the government! They were pumping a "classified" liquid in a nuclear submarine to test their pipes. Both pumps were mounted on stainless steel bases and coupled to Gast air motors.

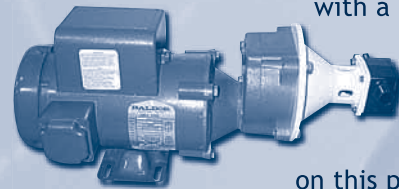
SMALLER FOOTPRINT THAN A PC

The flexible impeller design may be the answer to space or cost concerns in traditional progressing cavity pump applications. This very inexpensive assembly coupled a 1" bronze flexible impeller pump with a 10:1 gear reducer allowing the pump to deliver two gallons per minute of a very viscous liquid. The footprint of this assembly is approximately 12" x 20". A fraction of the space required for the progressing cavity pump design.



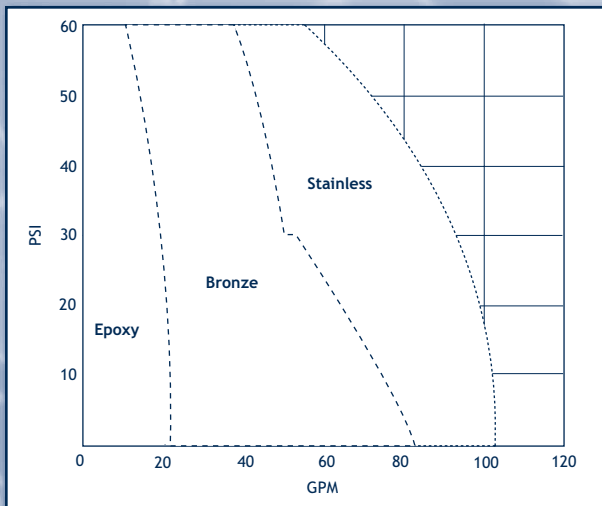
ABRASIVE WATER HANDLING

A manufacturer of an abrasive grinding product required a compact pump to handle highly abrasive waste from their production process. This Jabsco epoxy flexible impeller pump with a 2:1 gear reducer on a single phase motor was the most cost-effective solution for this challenging application. See page 20 for additional details on this pump series.



VARIABLE FLOW CART

This cart mounted stainless steel flexible impeller pump assembly will deliver from 0 to 20 gallons per minute and handle a wide range of viscosities, solids, and specific gravity. It is self-priming, operates on standard 115 vac current and is simple to repair. This makes the ideal plant utility pump for spill clean-up, product transfer or to empty a sump.



RULES OF THUMB

Elastomer Selection — Soak An O-Ring!

Compatibility charts are great... however, soaking an o-ring overnight in your solution is a safer bet and can save time and money by avoiding a misapplication.

Choose Bigger — Run Slower! To maximize your pump's life and minimize impeller replacement cost, oversize your pump and turn it slower to meet your flow requirements. Think PC. This is the same thinking and principle that has been used in sizing progressing cavity pumps for decades.

Non-Pulsating AODD... Small Footprint PC!

Take your pick. The flexible impeller pump is a unique design that will handle many of the same applications that air operated diaphragm pumps are typically used on but have that advantage of a smooth non-pulsating flow. The flexible impeller will also handle many of the same applications as a progressing cavity pump and takes significantly less room and less money to acquire, repair and maintain!