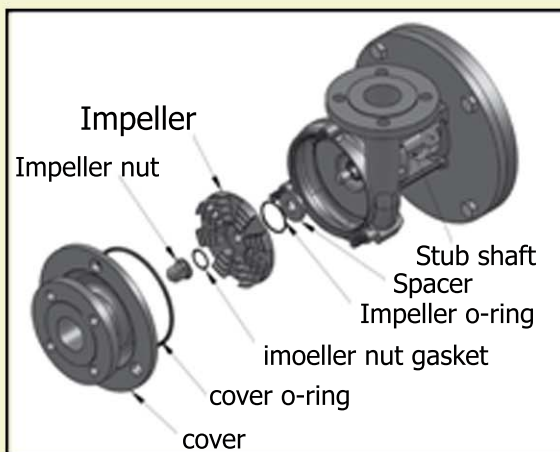
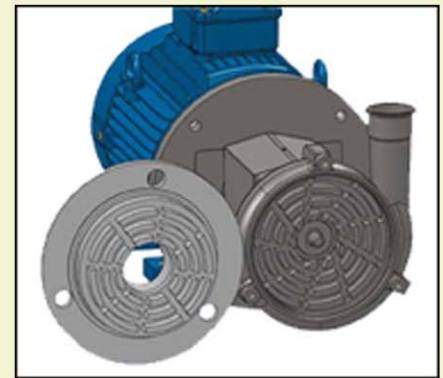


SHEAR PUMP

Sepak industries shear pump provides a high performance mixing, homogenizing of multi-phase products and offers uniform product batches in repeatable quality. The shear pump employs a rotor/ stator system operating at tip speeds up to 38m/s that draws inhomogeneous media through an adjustable shearing clearance of 0.3mm to 1.2mm. The adjustable shearing clearance reduces the damage, prevents overheating and lowers the power consumption. The extremely high flow rates and shear rates generated ensure inseparable emulsions and end products of incomparable homogeneity.

The hygienic shear pump is fully CIP capable and is available with optional heating/cooling jacket, Casing drainage, adjustable feet mounting or trolley. The shear pump is also available as a powder mixing system complete with powder hopper, bag tipping bench and self priming pump.



The shear pump can cut processing time by 90% compared with conventional dissolving processes in large tanks and depending on the application you can expect to use fewer raw materials due to the more effective breakdown of constituents.

A wide range of shear pumps with motor from 2 kW to 30 kW to suit with verity of applications.

For a customized solution and sizing specific to your application please contact the staff at Sepak Industries Pty Ltd

Proven applications include:

- Pectin, sugar, citric acid in cold water
- Homogenising of frozen Banana puree 30m³/h
- Egg-powder in water
- Sugar / salt in liquid eggs
- Solving minerals (magnesium carbonate) in water
- Bio-Flour (>25%) in water in a yeast factory
- Solving sugar in condensed milk (40m³/ hr)
- Producing chocolate topping (cocoa, milkpowder, creampowder & fat in syrup)
- Solving of powder in fluids, like PTFE in Oil.

