

SB SERIES BLENDERS

Adjustable, Multi-Tasking,
 Efficient Shear Blending

Mixing is becoming increasingly important in the widest variety of processes. Today's products often comprise a magnitude of ingredients such as stabilizers, thickeners, surfactants, abrasives, foods, preservatives, chemicals and more. This offers a challenge to processors trying to provide a consistent blend quality in the most efficient manner.

To meet this challenge, Ampco has developed three types of shear blenders that are based on our popular LF platform. This means shared wear items for your pumps and easy piping solutions. The wide range of mechanical seal materials (single and double mechanical) and elastomers from the LF line are also available to fine tune the shear blender to the processor's needs.

SB / SBH / SBI SHEAR BLENDING ADVANTAGE:

- Uniform and repeatable product batches
- Reduce process times
- Application-specific adjustability for custom fine-tuning of the end of product
- Process improvement by installing in-line blender or replacing a pump
- Familiarity and ease-of-design (front loading seal)
- Applicable for small laboratory or large-scale production
- Front-loading mechanical seals (single and double)



AMPCO SB SHEAR BLENDER

The adjustable multi-tasking unit

The SB Shear Blender offers flexibility for a variety of products. The clearance of the Ampco SB Shear Blender can be adjusted with the use of simple shims (provided) to get the blend quality desired. To avoid damage to the product, the SB Shear Blender is the best choice for sensitive applications.



SPECIFICATIONS

Up to 200 GPM / 45.4 m³/hr
Up to 50 psi/116 ft – 3.44 BAR/ 35.4m

AMPCO SBH SHEAR BLENDER

The high shear blender

The SBH Shear Blender maximizes shear-area by having several rows of rectangular teeth that mesh with each other at close clearances. This is the best blender for improving process time when the highest shear is desired.



SPECIFICATIONS

Up to 200 GPM / 45.4 m³/hr
Up to 50 psi/116 ft – 3.44 BAR/ 35.4m

AMPCO SBI SHEAR PUMP

The ability to pump and blend in a single stage

The SBI Shear Pump moves the product with considerable capacity and pressure capabilities. This is achieved through a hybrid design of a fine-tuned impeller paired with rectangular shear teeth. Users will be surprised at the performance of this pump as a replacement to a feed pump and blender setup for certain applications.



SPECIFICATIONS

Up to 500 GPM / 45.4 m³/hr
Up to 100 psi/231 ft – 6.9 BAR/ 70.4m

