



# SHEAR-blend

## Portable Powder Induction System — With Options

The SHEAR-blend system is an economical solution for moderate powder induction applications and fluid pumping in one.

To accomplish this the SHEAR-blend is equipped with Ampco Applied Products in-line SBI shear pump that works together with a custom induction elbow to create vacuum generating powder induction rates of 70 lbs/minute — 600 lbs/minute, depending on the model size.

The SHEAR-blend system comes complete with a stainless steel tabletop and removable 304SS hopper. It is fully CIP-able and is available in 5 model sizes with custom options to fit your process.

### CUSTOM OPTIONS INCLUDE:

- Hopper Vibrator
- Custom Valves
- Whirlpool Hopper
- Explosion Proof VFD and Motors
- Bulk Bag Connector
- VFD
- Casters
- Hopper Grates
- Hopper Lids
- 316SS Hopper
- 2 Seal Options



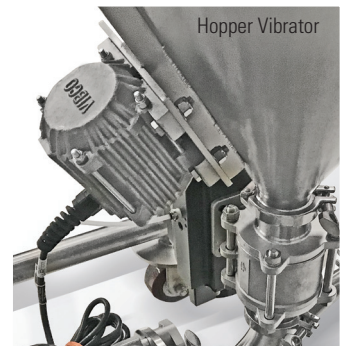
Hopper Grates



Explosion Proof VFD and Motors



Electronic Valves



Hopper Vibrator



Whirlpool Hopper



Bulk Bag Connector

## SHEAR-BLEND / 5 AVAILABLE MODELS

Model	MAX Powder Induction Rate	Flow Rate	Motor HP	Motor Phase	Motor Speed
PIR10	70 lbs / minute 32kg / minute	60 GPM 227 LPM	5 HP 3.7 KW	3	3600 RPM 3000 RPM
PIR15	100 lbs / minute 45kg / minute	75 GPM 283 LPM	7.5 HP 5.5 KW	3	3600 RPM 3000 RPM
PIR20	125 lbs / minute 57kg / minute	125 GPM 473 LPM	10 HP 7.4 KW	3	3600 RPM 3000 RPM
PIV520	250 lbs / minute 113kg / minute	175 GPM 662 LPM	25 HP 18.6 KW	3	3600 RPM 3000 RPM
PIV530	600 lbs / minute 272kg / minute	225 GPM 852 LPM	40 HP 29.8 KW	3	3600 RPM 3000 RPM

### SBI SHEAR PUMP / OVERVIEW

The SBI Series pumps and blends product in a single stage. This innovative design can move product and create considerable pressure by way of a hybrid impeller. The fine-tuned impeller design – used in combination with two rows of rectangular shear teeth – can attain amazing performance levels. The SBI shear pump offers two front-loading seal options.

#### ADVANTAGES:

- Uniform and repeatable product batches
- Reduce process times
- Application-specific adjustability for custom fine-tuning of the end of product

