

## SP Series



### Self-priming Pumps

Pumps offers this Serie with special casing and cover design and its turbine type impeller, creating a liquid ring allowing the pump to be self-primed, pumping certain quantity of air without cavitation. It is made of stainless steel 316L and is 3-A certified.

The mechanical seal design uses wave springs for reversibility which is an advantage for applications of loading and unloading using the same equipment.

### Applications

SP Pumps can handle fluids with entrained air without cavitation thanks to tight manufacturing tolerances (no longer than 0.008"), the liquid ring created in the pump and the unique vane-shaped impeller enable SP pumps to handle shear displacing air and then the liquid, priming the pump.

This series is ideal for CIP return applications and low viscosity fluids (maximum 3,000 cP) and also for applications with suction lift up to 20 ft.

### Transfer of products with entrained air

- Ice cream mixture (with 17% air)
- Chocolate syrup (international mixture)
- Yeast injection

### Transfer of delicate fluids

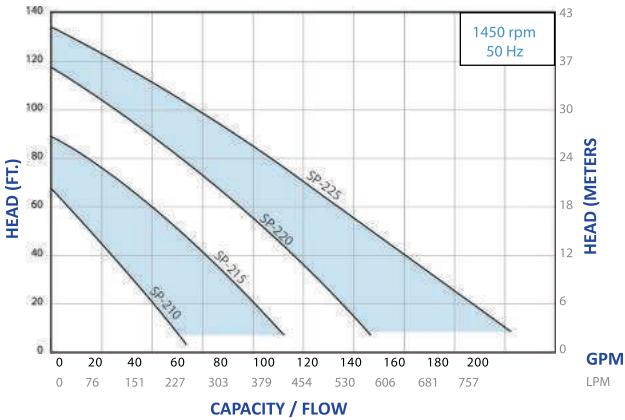
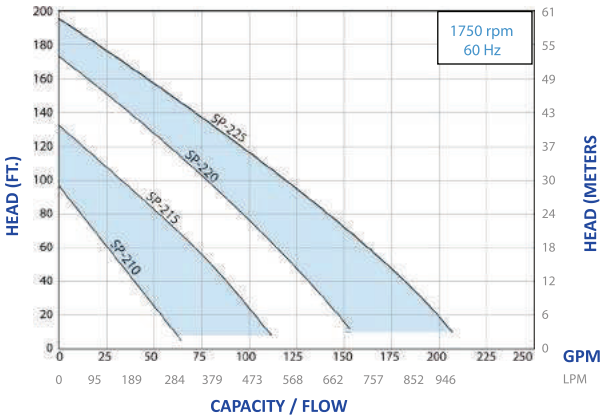
- Efficient for emptying tanks and drums
- Yolk
- Milk products, yoghurt mixture
- Body Lotions

### CIP applications

- Extreme CIP return from tanks and containers
- Complete evacuation of cleaning solutions/residual water during CIP cycles
- Reduces the amount of water and cleaning solutions needed for CIP



# Performance Curves



## Models

Q-Pumps	Other Brands
SP	FZX

## Equivalences

Q-Pumps	Other Brands	HP	kW	Inlet / Outlet
SP 210	FZX 2100	3 5	2.2 3.7	2.0 x 2.0
SP 215	FZX 2150	7.5 10	5.5 7.5	2.0 x 2.0
SP 220	FZX 2200	10 15	7.5 11	2.0 x 2.0
SP 225	FZX 2250	15 20	11 15	2.5 x 2.5

## Reference Data

Flow: 200 GPM / 757 LPM

Head Pressure: 190 ft/58 m/82 PSI/ 5.6 Bar

Viscosity: 3000 cP

Temperature: 248°F / 120°C

