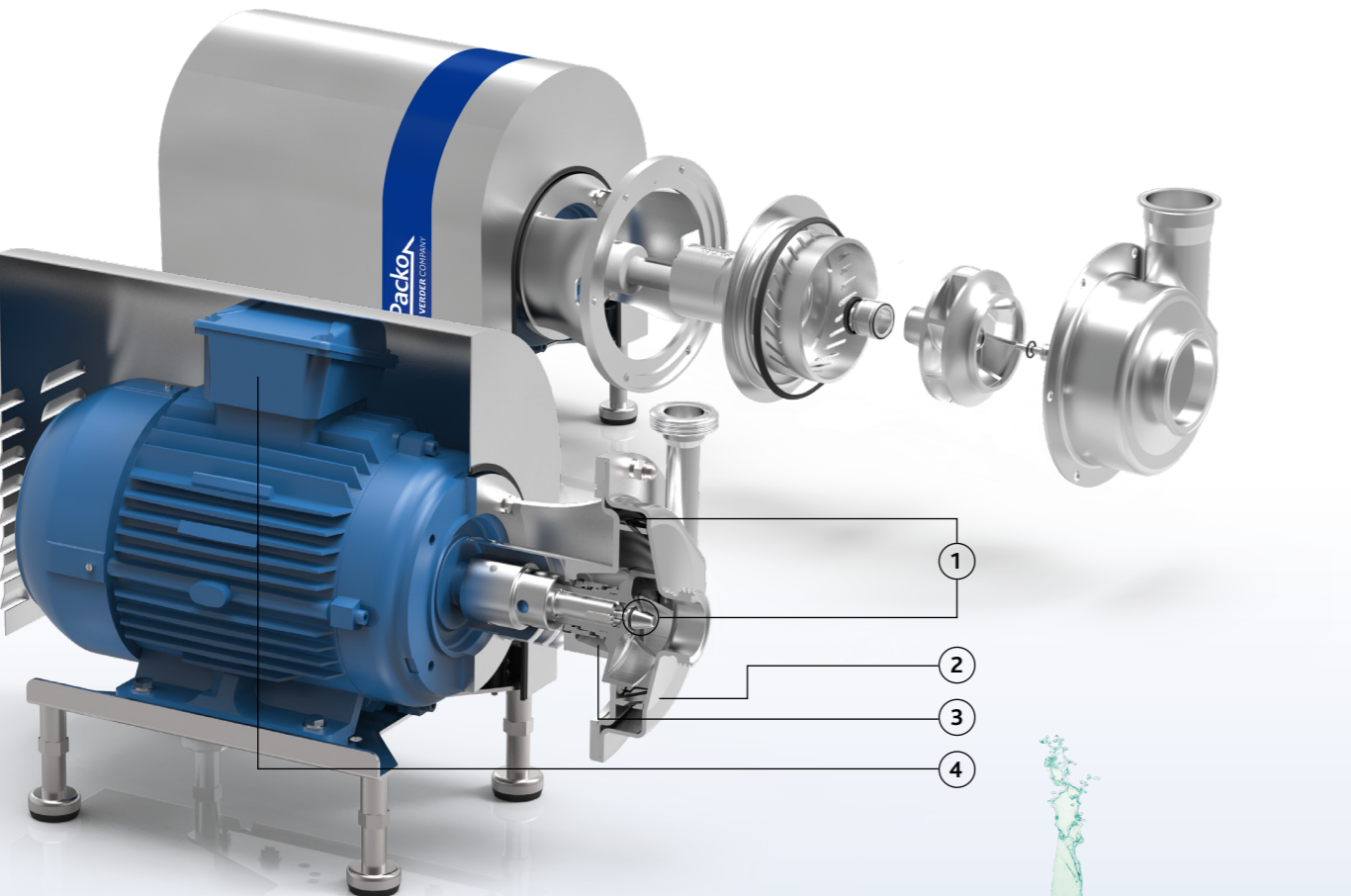


# High Shear pump series SFP2 & SFP3



## Characteristics

High shear pump with open or closed impeller and patented stator for high flow and pressure. The shear is generated between the rotor and an innovative and optimized perforated stator. The shear can be optimized and increased by raising the speed of rotation. Shear rates up to 100.000 s<sup>-1</sup> can be achieved at a maximum speed of 3600 rpm.



### SFP2 & SFP3

- 1 Electropolished, easy to clean construction, no bacteria traps and no small clearances in order to clean the area around the O-ring
- 2 Pressed stainless steel in 2B quality plate, extremely smooth
- 3 Large seal cavity to clean mechanical seal properly
- 4 Monobloc execution with std. IEC motors
- 5 Standardized mechanical seals to EN 12756  
FDA approved bellow mechanical seals or sterile O-ring seals (spring not in contact with the liquid)
- 6 2 seal diameters for the entire range:  
- SFP2: Ø 33 mm  
- SFP3: Ø 43 mm



## Your benefits

- Shear rates up to 100.000 s<sup>-1</sup>
- Highest efficiency on the market, energy saving
- Use of std. components
- Self pumping
- Hygienic design, so easy to clean
- Easy installation and maintenance
- Very quiet operation

## Application areas

The Packo shear mixer pump is mainly used for in-line mixing, homogenisation and dispergation applications.

- Mixing of two liquids:
- with a large different specific gravity,
  - having a large different viscosity or
  - that are difficult to mix.

- Also dispersing of:
- solids in liquids and
  - dispersion of gas in liquids.

Pump series	SFP2	SFP3
<b>Performance</b>		
max. flow rate	80 m <sup>3</sup> /h	200 m <sup>3</sup> /h
max. differential head	45 m	55 m
max. pressure	inlet: 10 bar	discharge: 10 bar
max. shear	100.000 s <sup>-1</sup>	60.000 s <sup>-1</sup>
max. liquid viscosity	1000 cP	
max. temperature	140°C	
impeller type	open	closed
max. motor power	22 kW	45 kW
max. speed	3600 rpm	
available frequency	50/60 Hz	
<b>Technical specifications</b>		
materials wetted parts	stainless steel 316L or similar	
mechanical seal configuration	single, quench, double	
available material O-ring	EPDM, FKM, FEP-FKM, FFKM or similar	
connections	hygienic fittings	
surface finish	hygienic quality, internal welds hand polished + electropolished (wetted 0.8 µm - impeller 3.2 µm)	
certificates & legislation		

## Performance curves at 2900 rpm

### SFP2 & SFP3

