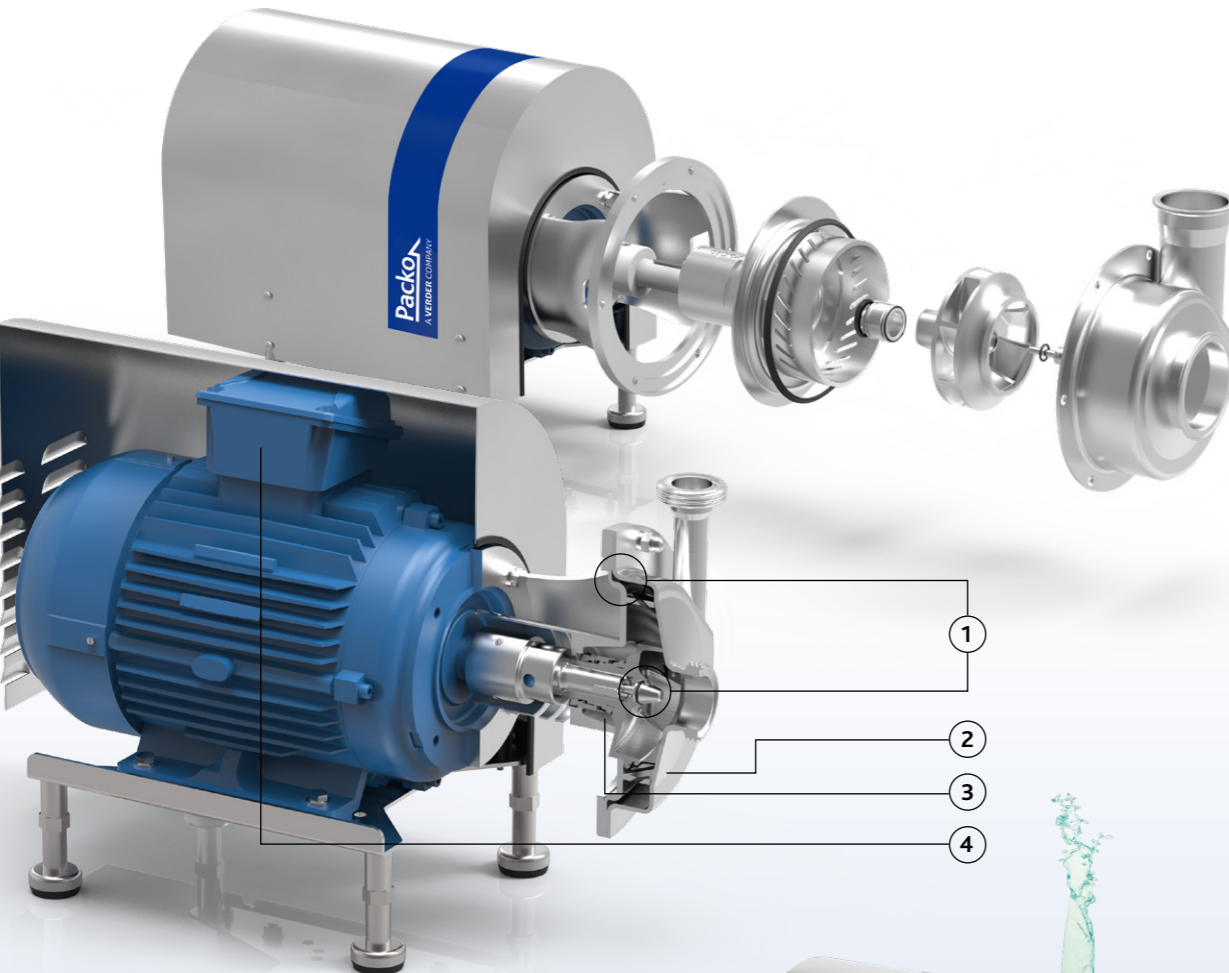


High Shear pump series SFP2 & SFP3

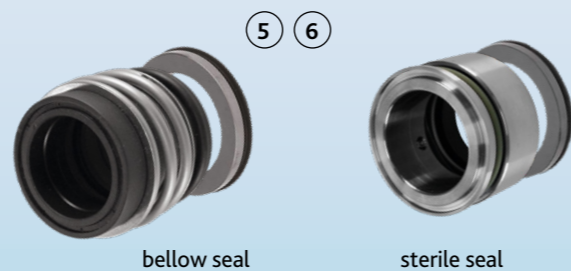
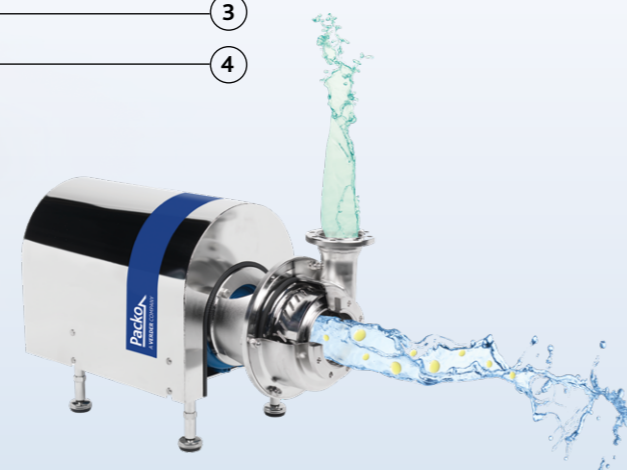
Characteristics

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⁻¹ 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 bellows 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 (Ø 43 mm for SFP2/40-250)
 - SFP3: Ø 43 mm



Your benefits

- Shear rates up to 100.000 s⁻¹
- 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
Performance		
max. flow rate	80 m ³ /h	200 m ³ /h
max. differential head	45 m	55 m
max. pressure	inlet: 10 bar	discharge: 10 bar
max. shear	100.000 s ⁻¹	60.000 s ⁻¹
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
Technical specifications		
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 SFP2 & SFP3 at 2900 rpm

