

Description

The food grade Packo stainless steel pumps of the FPP2 series are pumps made of solid, machined stainless steel 316L and are extremely suitable for high system pressure applications up to 40 bar. Typical applications can be found in reverse osmosis applications in all kind of food related applications such as whey filtration, CIP waste filtration, beer filtration, etc.

Application areas

The Packo high pressure pumps of the FPP2 series are used primarily in the reverse osmosis (RO) applications for the filtration of, for example, contaminated CIP-water, whey, etc. They are also used as a booster pump in a variety of skids. You will find them in just about all industries including the dairy industry, breweries, beverage industry as well as in water treatment industry.

Your benefits

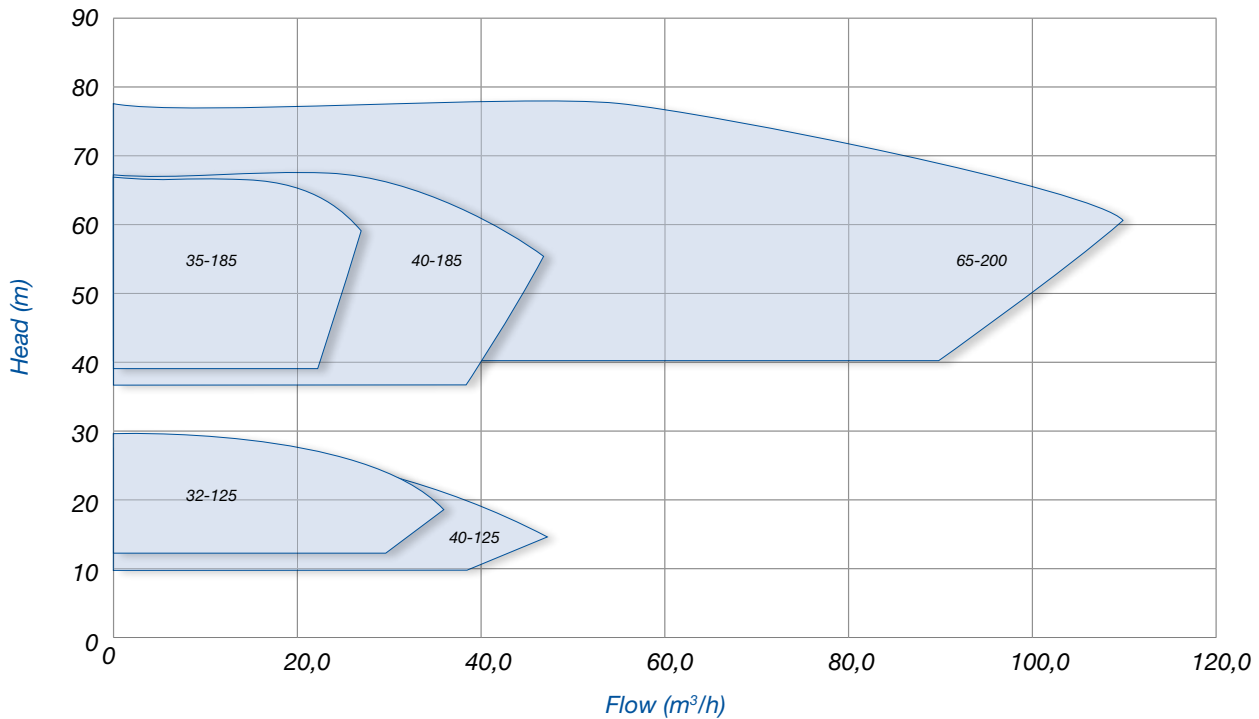
- Suitable for system pressure applications up to 40 bar
- High pump efficiency resulting in lower energy consumption
- Low NPSH values: less risk on cavitation
- Electropolished: easy to clean
- Easy construction and easy maintenance: less downtime
- Standard components
- Easy to install
- 1 seal diameter for entire range

Technical specifications

Max. flow rate	70 m ³ /h
Max. differential head	70 m
Max. liquid viscosity	500 cP
Max. temperature	140°C
Impeller type	Open
Max. free passage	15 mm
Max. motor power	22 kW
Max. speed	3000 / 3600 rpm
Available frequency	50 / 60 Hz
Connections	Tri-Clamp connections
Materials wetted parts	stainless steel 316L or similar
Available materials o-ring	EPDM, FKM, FEP-FKM, FFKM, Silicone
Mechanical seal configuration	single, quench, double
Surface finish	food quality, internal welds hand polished + electropolished
Certificates & Legislation	1935/2004 EC, FDA, ATEX, EU N°547/2012, EAC

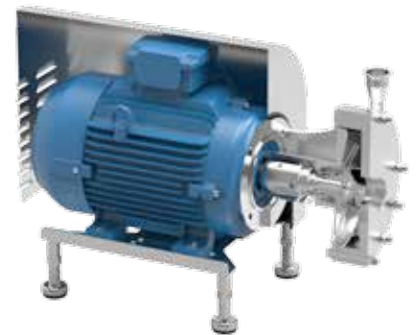


Performance curves at 2900 rpm

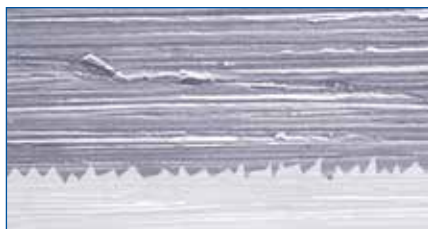


Features

- Electropolished, easy to clean construction, no bacteria traps and no small clearances in order to clean the area around the O-ring
- Fully machined stainless steel, extremely smooth
- Large seal cavity to clean mechanical seal properly
- Monobloc execution with std. IEC motors
- Standardized FDA approved sterile (spring not in contact with liquid), balanced mechanical seals to EN 12756.
- One seal diameter Ø 33 mm



Electropolished

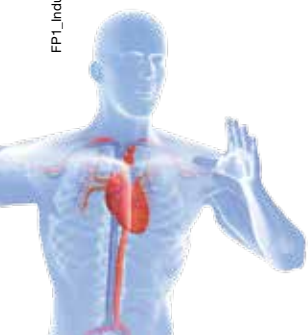


Mechanical polishing 240 grit



Glass bead blasted

FPI_Industrial_pump_series_Technosheet_rev01_2017_(eu)



Find your local supplier at www.verderliquids.com

For construction, installation and floor mounting drawings please contact your local authorised Verder® distributor.

VERDER
passion for pumps