

Description

The Packo stainless steel centrifugal pumps of the FP1 series are the best “value for money” food grade pumps, mainly used for pumping clean and slightly contaminated liquids. This series achieves an overall high efficiency, leading to a lower energy consumption for your production process. Thanks to its modular concept it also guarantees an easy maintenance.

Application areas

FP1 pumps are mainly used for pumping clean and light contaminated products from dairies, cheese dairies, breweries, distilleries, beverage industry, etc. They are often used as process pumps for heat exchangers, filtration units, filling machines, brine injectors, batter machines and CIP cleaning systems. Typical fluids are milk, whey, curd, batter, brine, beer, CIP, alcohol, etc.

Your benefits

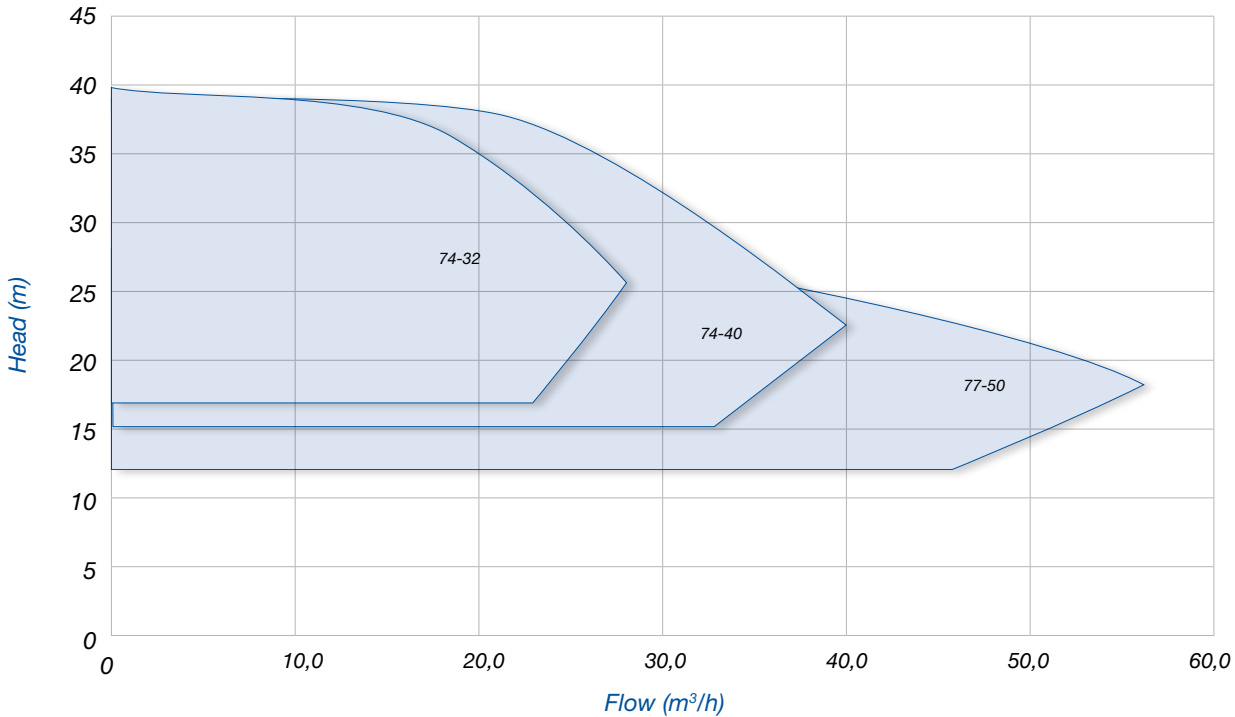
- High pump efficiency resulting in lower energy consumption
- Low NPSH values: less risk on cavitation
- Electropolished: easy to clean
- Easy construction and easy maintenance: less downtime
- Easy to install
- Best value for money
- Standard components

Technical specifications

Max. flow rate	55 m ³ /h
Max. differential head	40 m
Max. liquid viscosity	1000 cP
Max. temperature	140°C
Impeller type	Open
Max. free passage	18 mm
Max. motor power	5,5 kW
Max. speed	3000 / 3600 rpm
Available frequency	50 / 60 Hz
Connections	sanitary fittings
Materials wetted parts	stainless steel 316L or similar
Available materials o-ring	EPDM, FKM, FEP-FKM, FFKM
Mechanical seal configuration	single
Surface finish	food quality, internal welds hand polished + electropolished (casing 0,8 µm - impeller 3,2 µm)
Certificates & Legislation	1935/2004 EC, FDA, ATEX, EU N°547/2012, EAC



Performance curves at 2900 rpm

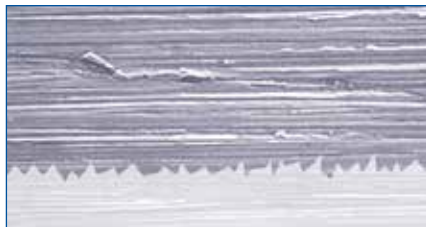


Features

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



Electropolished

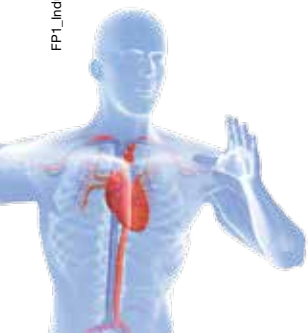


Mechanical polishing 240 grit



Glass bead blasted

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