



Description

The hygienically designed Packo multistage pumps from the FMS series are used as process pump in the most diverse applications in food, pharmaceutical and chemical industries. They are the right match for operations at moderate flows and high pressures.

Application areas

For use in food, brew, beverage, pharmaceutical and chemical industries, as transfer and mixing pump for liquid food products, drinks, medicines, lotions, etc.

Typical applications: process pump for plate heat exchangers, pasteurizer systems, filters, filling machines, mixers, deaerators, carbonators and high pressure cleaning systems. Typical fluids are milk, whey, curd, batter, brine, beer, CIP, alcohol, etc.

Your benefits

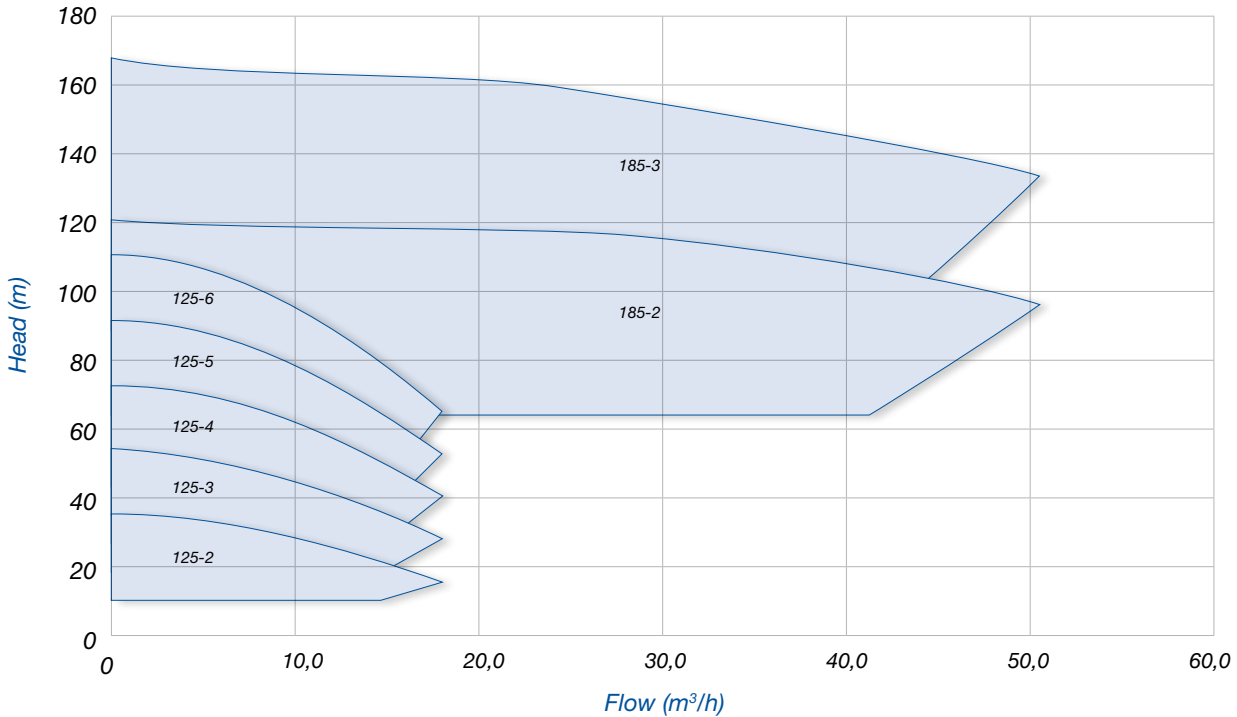
- Ideal for operation at moderate flow rate and high pressures
- High pump efficiency resulting in lower energy consumption
- Low NPSH values: less risk on cavitation
- Electropolished: easy to clean
- Easy construction and easy maintenance: less downtime
- Standard components
- Easy to install

Technical specifications

Max. flow rate	50 m ³ /h
Max. differential head	160 m
Max. liquid viscosity	250 cP
Max. temperature	140°C
Impeller type	Open
Max. free passage	14 mm
Max. motor power	45 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
Mechanical seal configuration	single, quench, double
Surface finish	food quality, internal welds hand polished + electropolished
Certificates & Legislation	1935/2004 EC, FDA, ATEX, EAC



Performance curves at 2900 rpm

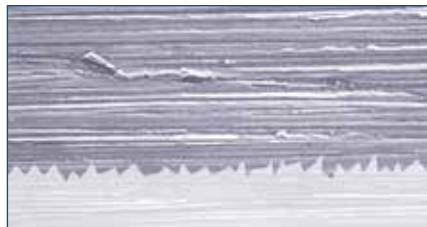


Features

- Electropolished, easy to clean construction, no bacteria traps and no small clearances in order to clean the area around the O-ring
- Investment cast design
- Large seal cavity to clean mechanical seal properly
- Open impellers: no axial forces on motor bearings
- 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)



Electropolished

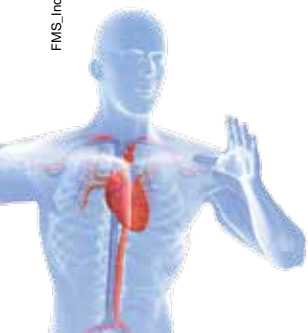


Mechanical polishing 240 grit



Glass bead blasted

FMS_Industrial_pump_series_Technosheet_rev01_2017_(eu)



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