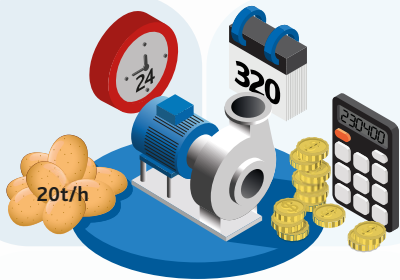


Packo VPCP Pump Series

Packo
A VERDER COMPANY

Packo VPCP pump guarantees half less product damage!



Calculate your advantage by using this example:

Company A is pumping potatoes:

- 20t per hour
- 24h/day
- 320 days

Total of 153,600t per year.

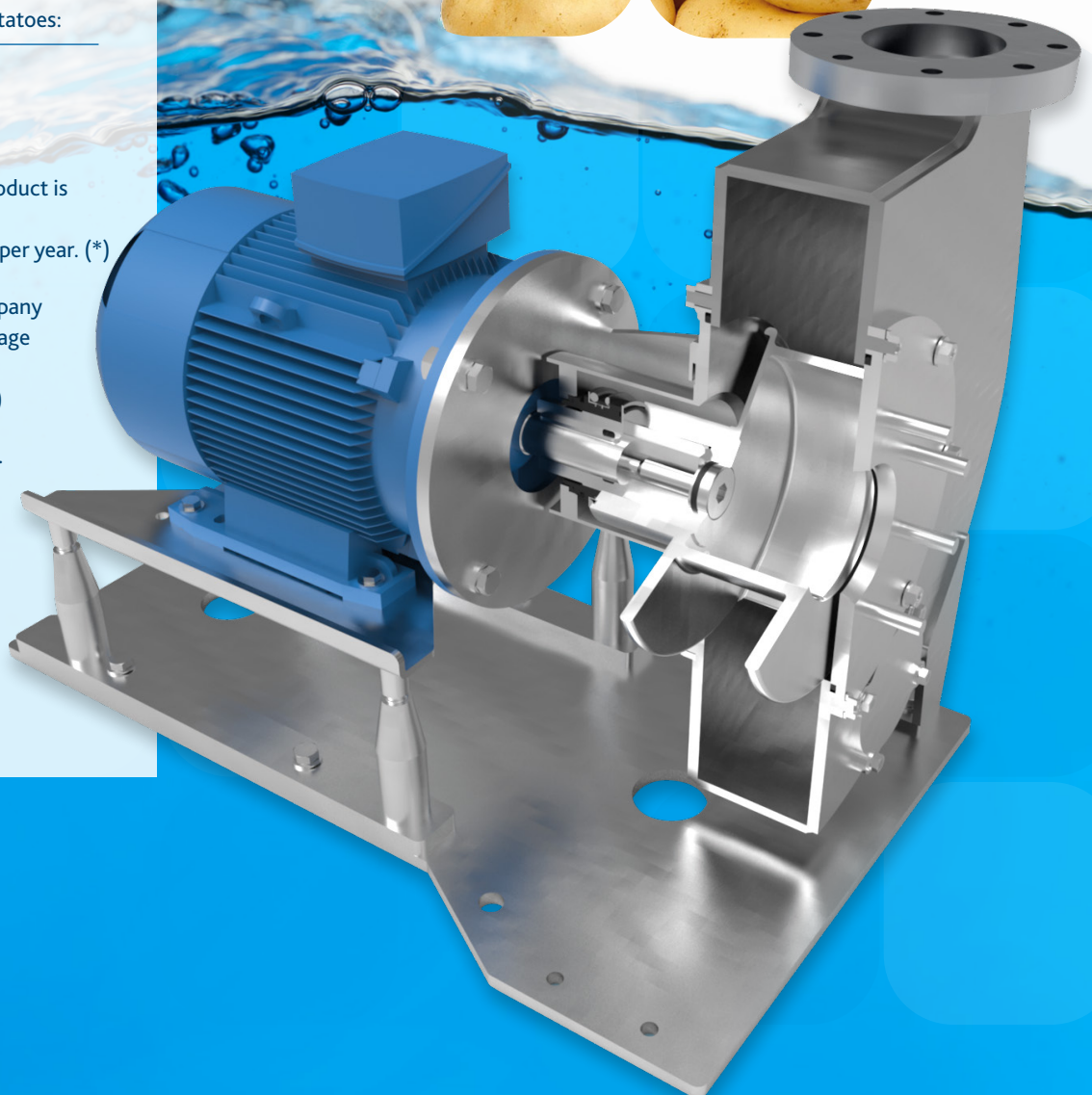
Assumption that 3% of product is damaged or 4,608t.

Giving a loss of € 691,200 per year. (*)

With the Packo VPCP company A can reduce product damage to 2% or a saving of € 230,400 per year. (**)

(*) Assumed price/t: € 150.

(**) Actual damage numbers may be different. The calculation is based on a fictional example and is based on testing in the lab.



The Packo VPCP pump rewrites the standard for product pumps

The VPCP pump series eliminates existing problems of product damage. It is designed in collaboration with the industry, widely tested and radically proven incomparable.

Discover the power of the innovative VPCP pump

Standard IEC normalized motor, flexibility in options - standardization for customers.

Compact monobloc construction, dimensionally shorter than the VDKM pump series. Same built-in dimensions as the VDKM pumps, easily interchangeable.

Sledge construction by which the pump can be easily slid backwards while the pump casing remains in the piping system: short downtimes.

Pump construction in electropolished stainless steel AISI 304.

- increased corrosion resistance.
- better cleanability.
- visually more attractive.

Easy cleanable base plate.

Duplex stub shaft allows a quick and easy disassembly of the vane.

Especially designed vane with large passage. One of the largest free passages in product pumps on the market. Together with the shape of the volute the ideal solution to pump without product damage.

Available with vertical or horizontal outlet.

Pump is equipped with large manhole cover and drain.

The VPCP Pump Series comes with only two standardized (EN 12756) mechanical seal diameters (3 to 45 kW and from 5 to 10 inch).

Three radical innovations:

Sustainable construction

- VPCP construction is more compact.
- Less risk on bending of the stub shaft thanks to a solid construction.
- Longer life of the seal: single mechanical seal without oil bath.
- Also available in a horizontal version: HPCP.

Vane replaces channel impeller

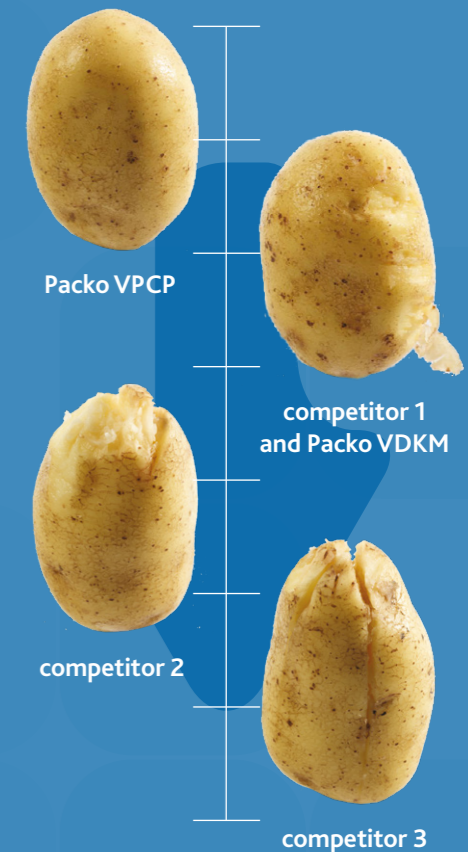
- Especially designed vane with large free passage.
- Research showed that by omitting the channel geometry the product damage is minimal over a much wider area of the pump curve (flow and speed). A typical single channel impeller only shows a low product damage in a small zone around the BEP (Best Efficiency Point) on the pump curve.

Larger pump casing

- A redesigned pump casing.
- Larger stainless steel pump casing and larger free passage.
- Identical built-in dimensions as the VDKM pump series (except for 150-400 type)
- Packo Pumps standard in terms of hygiene and cleanability is maintained.

Test results prove half less product damage

- Test method with dimensionless damage figure.
- Based on quantitative (% of products being damaged by the pump) and qualitative (how heavy is the damage) weighing of product damage.



Conclusion

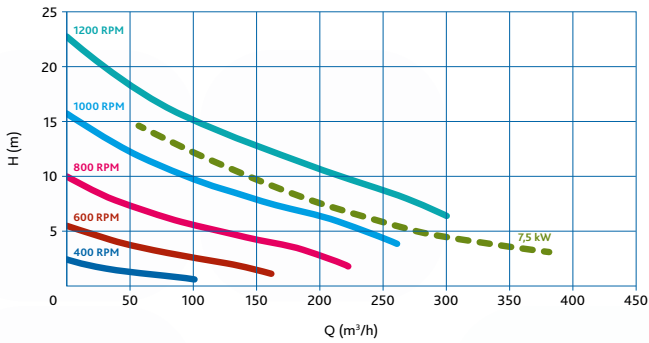
The conclusion is more than convincing. No SINGLE pump outscored the VPCP pump series in terms of product damage.

Target market of the VPCP pump series

The Packo VPCP pump range is specifically designed for **damage-free** pumping of potatoes and vegetables but also seafood such as mussels, cockles and shrimp. The VPCP pump can be used in Belgian fries process lines and for the transport of vegetables to the blanching lines. Because the pump has the same dimensions as the known VDKM pump series it is easily **interchangeable**.

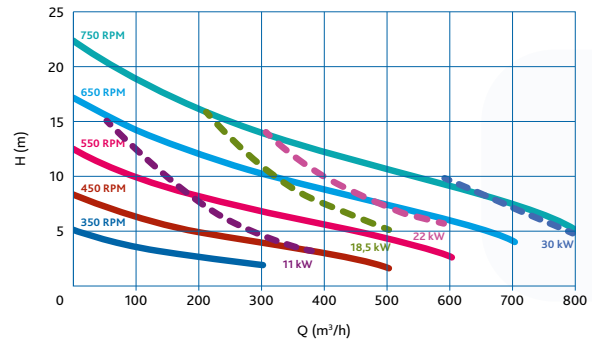
VPCP/125-315

Ø 105mm



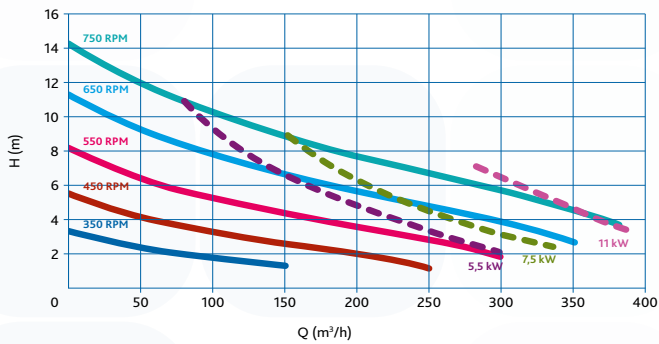
VPCP/200-500

Ø 171mm



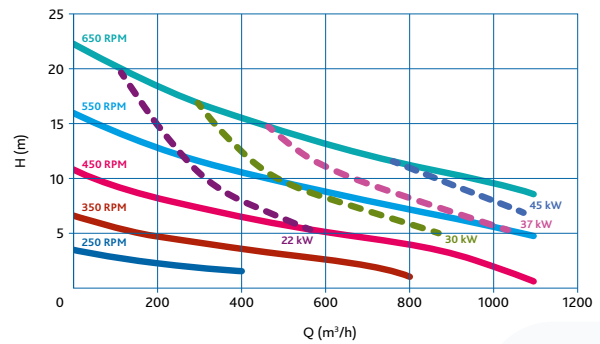
VPCP/150-400

Ø 133mm



VPCP/250-630

Ø 213mm

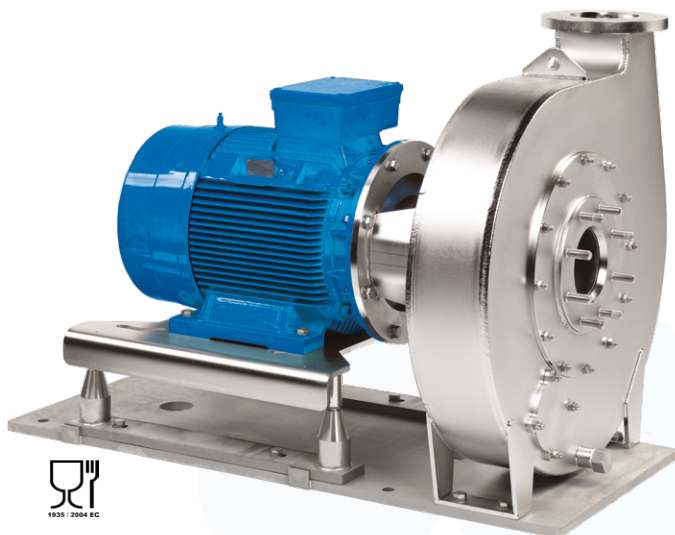


Pump curves of the different VPCP pump types.

- 4 types: 125-315, 150-400, 200-500 and 250-630.
- Steeper pump curve: easier to adjust and less risk of clogging the system.
- VPCP proves once again that it is the new benchmark in minimal product damage in a wide scope (flow and speed).

Recommended maximum product dimensions

VPCP Type	Spherical Ø mm	Elliptical	
		(L) mm	Ø mm
125-315	65	100	60
150-400	85	125	80
200-500	110	165	105
250-630	135	200	125



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Production in Belgium in an ISO 9001 and ISO 14001 certified company.

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