EN

Application
Food Transfer

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Hidrostal - Blockage free since 1960

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Produce entering the pump undertakes a long slow turn around the long radius vane with very low angles. The hydraulic gradient within the pump gives a gradual pressure generation and slow change from the axial to radial direction compared to other centrifugal pumps.

The F-type pumps, raw produce handling, offers more versatile piped transfer routes compared to conveyors, elevators or containers.

The enclosed pipework system has the benefit of being more hygienic and cleaner as it is protected from any surrounding potential pollutants.

Operational costs are reduced with a pump piped system which is easier to maintain than belts or conveyors. Fewer exposed moving parts improves the Health & Safety environment.

In addition to the gentle handling requirements at the start of raw produce processing, the Hidrostal range is also suited to the energy efficient circulation and removal of the wash water used to clean raw products. This often contains grit, sand, peelings and vegetable lumps.

Hidrostal hydraulic parts built from hard materials and with a large free ball passage offer a robust and reliable solution.

Food Transfer Pumps

The F-type pump is the world's first patented original fish friendly pump design from the 1960's. The Hidrostal pump was invented by the company founder, Martin Stähle, to transfer live fish with minimal damage, therefore guaranteeing the quality and appearance of the fish for market.

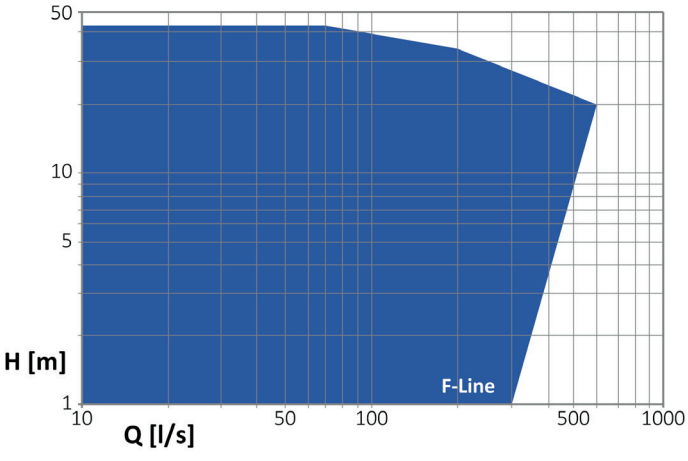
From its successful origins in pumping fish, Hidrostal has diversified on to a wider variety of applications that also benefits from the pumps gentle handling properties.

Customer applications handling raw products with Hidrostal are:

Hidrostal F-Type successfully pumps...

- → Peas
- → Onions
- → Runner Beans
- → Rice
- → Pasta
- → Diced Vegetables
- → Potatoes
- → French Fries
- → Haricot Beans
- → Bean Sprouts
- → Shredded Cabbage
- → Small Trout
- → Oranges & Lemons
- → Carrots
- → Rag Worms
- → Peppers & Pulses
- → Salmon & Smolt
- → Eels & Fish

Hidrostal F-Line Food Transfer pump range



Hidrostal belt driven food transfer pump with feeder.

By installing a Hidrostal F-line food transfer pump a reliable continuous process can be established with gentle handling of your product. A closed cycle improves Health & Safety additionally.

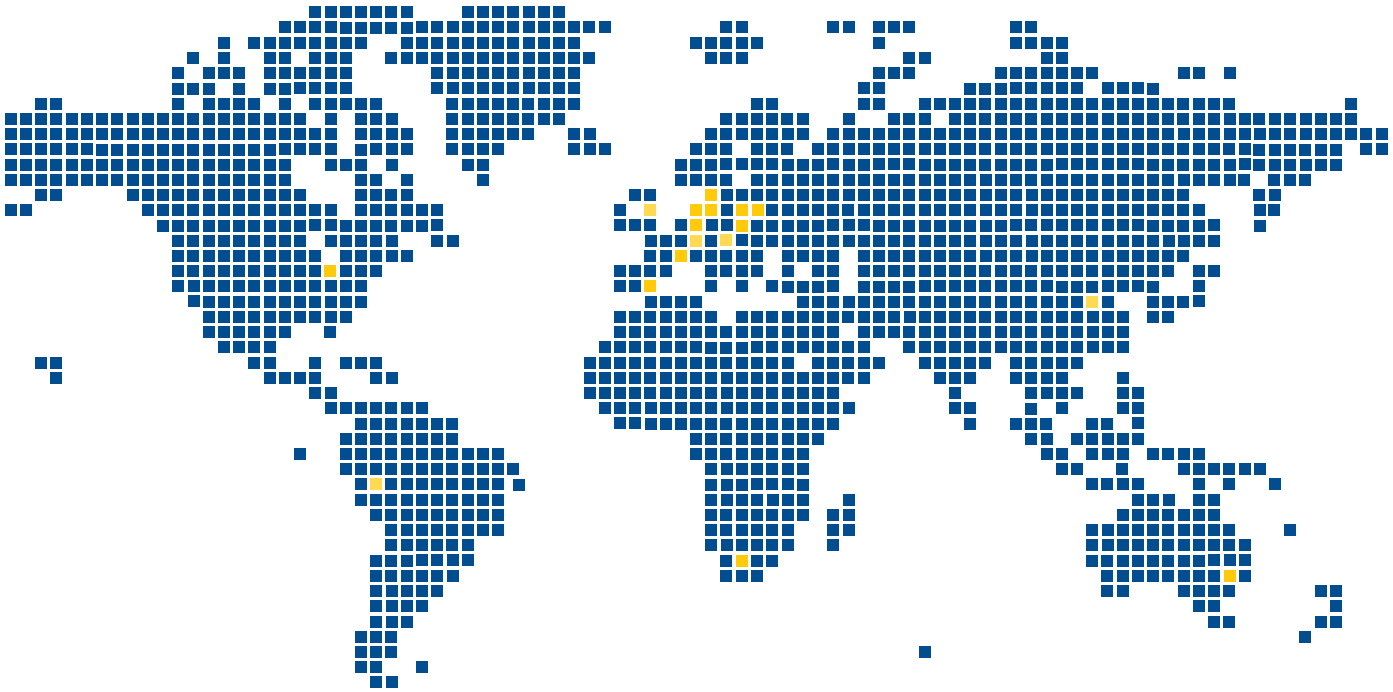
Double stage gentle handling spinach pumping station with feeder

Hidrostal Pumps

Find your pump! Make a quick and accurate pump selection with our **www.hidrostal.com/pumpselector.php**

Due to their outstanding characteristics, Hidrostal pumps are used in numerous municipal and industrial sectors all around the world. Our pumps are custom-made and are specially tailored to the needs of each location. Our specialists select the suitable material combinations and individually adapt every pump to the local conditions. We ensure with this process that Hidrostal pumps are successful in difficult applications and achieve the best results with respect to performance, energy efficiency and low life-cycle costs.

- clog-free pumping
- high suction capacity
- gentle delivery due to low shear forces
- high efficiency
- stable, steep pump curve
- long service life
- low pulsation
- continous flow proportional to the speed
- high pressure stability across a wide speed range



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