



## F type—Food Transfer Pumps

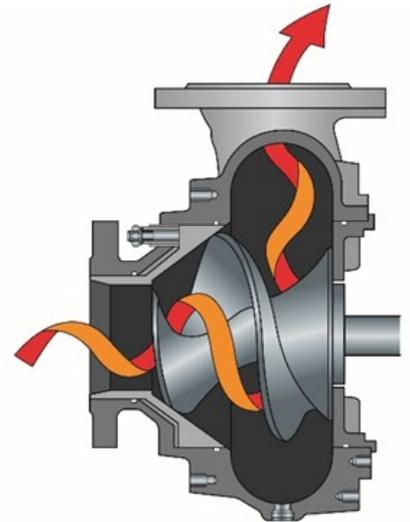
Hidrostal's F-type pumps are ideally suited to gentle handling applications. The pumps utilise a shrouded single spiral vane impeller that is axially extended for smoother transition.

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 washwater used to clean raw produce. 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.



A typical F-type impeller

# F type—Food Transfer Pumps

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

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

Customer applications handling raw produce are many and varied, and include:

- 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

