

## Potato slice pumping – Argentina

Application market	Food
Market segment	Fruit & Vegetables
Pumped medium	Potatoes and potato products
Pump product	Bearing Frame
Country	Argentina



### Challenge

**Hidrostal** is a globally recognised supplier of pumps and pumping solutions across various market segments, with extensive experience and a long-standing tradition in the handling of fruit and vegetables, particularly raw potatoes and products derived from them. Numerous companies worldwide rely on **Hidrostal's** pumping solutions.

### Solution

The available product ranges of **Hidrostal Screw Centrifugal Pumps** offer a wide selection of models, which in turn cover a broad spectrum of flow rates, corresponding production volumes and delivery heads. Stainless steel is used for the wetted pump parts to prevent corrosion and any resulting damage caused by the potato starch present in the pumped medium, and to ensure food safety.

### Benefits

The **Screw Centrifugal Pump Impeller** is characterised by its unique, gentle pumping properties. The ability to handle very high solids content enables production processes that are extremely resource efficient. High pump efficiency leads to significant energy savings. Please contact us; Hidrostal offers bespoke technical support and short lead times.

- Gentle pumping due to low shear forces on the pump impeller
- Resource-efficient thanks to the pumping of high solids concentrations
- Low operating costs due to very high pump efficiency

Quantity of units sold	19
Pump type	D04K-LT50E + D2S50-L (stuffing box sealing)
Motor data	a) 4 kW / 4 Pol (1'500 rpm) direct driven b) 11 kW / 2 Pol (2'325 rpm) with belt drive
Material combination	Pump body of cast iron, impeller and all wetted parts of stainless steel
Duty point	a) Flow (metric) : 18.3 litres per second / Head : 8.0 meters (shaft speed 1'500 rpm) a) Flow (US) : 290.0 US gallons per minute / Head : 26.2 feet (shaft speed 1'500 rpm) b) Flow (metric) : 35.0 litres per second / Head : 17.8 meters (shaft speed 2'325 rpm) b) Flow (US) : 561.0 US gallons per minute / Head : 58.4 feet (shaft speed 2'325 rpm)
In operation since	1998 to 2004