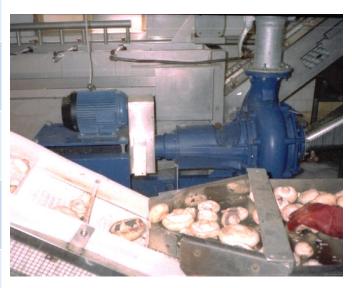


## **Fresh Mushroom Feeding**

Application market	Food
Market segment	Fruit & Vegetable
Pumped medium	Carrier fluid (water) with Mushrooms
Pump product	Bearing Frame
Country	United Kingdom



## Challenge

For the transport of freshly harvested mushrooms from the delivery of the product at the truck unloading station to further processing, the customer was looking for a gentle transport method. In particular, high demands were placed on the delicate processes in food production.

## Solution

As it is demonstrably capable of conveying delicate products such as fruits, vegetables, or even live fish without any damage, the Hidrostal type F Screw Centrifugal Pump was selected for this task. A large free passage for the impeller, combined with a low shaft speed and thus a low flow velocity, are some of the key criteria in the gentle conveying of delicate products.

## **Benefits**

The challenge was solved to the complete satisfaction of the customer.

- → Gentle handling of fresh mushroom without damage and without loss in quality
- → The high demands placed on the challenging processes in food production were fully met

Quantity of units sold	1
Pump type	F05F-H + F2S10
Motor data	5.5 kW / 8 pole / belt drive with operating speed 400 rpm
Material combination	Cast iron pump body and wear parts with nodular iron impeller
Duty point	Flow: 10 litres per second + 1 ton mushrooms per hour / Head: 3 meters
In operation since	approx. 2005