

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 Hidrostat 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