

Potato washing plant No. 3

Application market	Food
Market segment	Fruit & Vegetables
Pumped medium	Water with grit, sand and potatoes
Pump product	Bearing frame
Country	United Kingdom



Challenge

Hidrostal has been supplying pumps to a customer in the food industry in the United Kingdom for more than 25 years. They originally contacted Hidrostal because they were looking for a high-quality non-clogging and corrosion resistant pump capable of pumping water mixed with gravel, silt and sand and that could be integrated into the design of their potato washing and de-stoning plant.

Solution

Hidrostal selected a size E **Screw Centrifugal Pump** for the task. The outstanding properties of the **Hidrostal** pump ensure free and unobstructed flow of the heavily, with a high solids content contaminated water.

Benefits

The **Hidrostal Screw Centrifugal Pump** ensures reliable operation and guarantees the high quality of the entire range of the customer's washing and destoning systems:

- blockage-/clogging-free pumping of the highly contaminated water
- reliably pump operation with long service life for the wearing parts

Quantity of sold	more than 100		
Pump type	E08U-HLN1 + EFM1X-M160	E08R-SLN2R + EFM1X-M180	E08U-MLN1 + EDM1X-M132
Motor data	15 kW / 1477 rpm	9 kW – 1473 rpm	9 kW – 1475 rpm
Material combination	Cast iron pump body and wear parts with ductile iron impeller	Cast iron pump body, Hidrohard liner and ductile iron impeller	Cast iron pump body and wear parts with ductile iron impeller
Duty point	Flow (metric): 91 l/s - Head: 8.7 m Flow (US): 1'442gpm - Head: 28.5ft	Flow (metric): 108 l/s - Head: 10.8m Flow (US): 1'712gpm - Head: 35.4ft	Flow (metric): 83 l/s - Head: 6.5 m Flow (US): 1'316gpm - Head: 21.3ft
In operation since	2014		