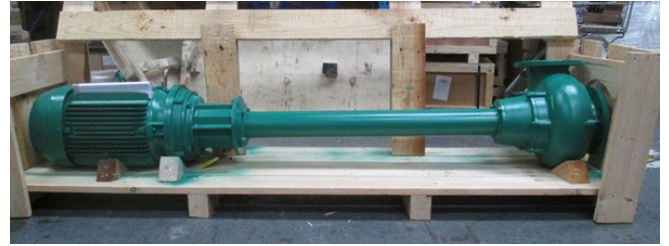




## Halal Chicken Factory - Case Study



### Case Study Information

Customer	Halal Chicken Factory
Location	UK

### Equipment Supplied:

#### 1 x Azcue Vertical Vortex Pump Complete With Non Clogging Impeller & Motor

Range	Azcue VRX
Model	VRX150/23
Application	Transfer of waste products to be processed - blood, chicken feathers and water
Installation	Vertical
Pump Body	Cast Iron
Impeller	Bronze
Voltage	400V
Motor	WEG 22Kw 4 Pole IE3

### Enquiry:

- ✓ Castle pumps received an enquiry from a new customer in the UK who was having problems with a vertical immersion pump. The pump had been purchased from another pump supplier, and was clogging multiple times a day. This caused the production at the factory to come to a halt, causing large amounts of downtime on the production line and therefore the costs involved with such an event. As the pump was vital to the operation of the factory it was costing £10,000 per day in labour and various overheads.

### Solution:

- ✓ We attended site to conduct a thorough evaluation of the application and site conditions leaving no stone unturned. This gave us as much information as possible to be able to make an informed decision on which pump was needed for the job.

We decided we needed to oversize the pump as this would allow ease of passage of the feathers, giving us as much margin for error as possible. This was key to the selection as at various points during production huge amounts of feathers could go through the pump in clumps with less fluid content than recommended, leading to the pump clogging.

The customer received a set of in-depth instructions specifically tailored to the application to avoid at all costs the possibility of the pump clogging. The results of providing a pump suitable for the application and also providing expert technical assistance has allowed the factory to run for over 3 months (and counting) clog free. Previously the unit which was originally on site would only run for a maximum of 24 hours before a clog occurred.