



Case Study Food Industry

Marlow Foods

Their factory produces Quorn, the mushroom-based meat substitute for vegetarians. MID supplied an inline sifter that the dry ingredients are sucked through before reaching the mixer.

The mushroom base is mixed with vegetables and flavourings to produce the different products (chunks, mince, 'bacon'). There are also several dry, powdered ingredients added to the mix.

The inline design reduces the amount of dust generated by the sifting process when compared with a gravity sieve. They are also safer for the operator and more compact.

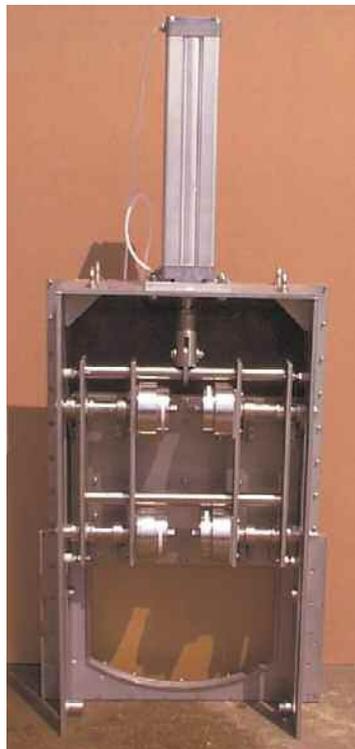


Pedigree Petfoods

This household name has a large 'wet' food production site in Melton Mowbray. They produce dog and cat tinned and pouched foods. We designed a one-off valve to fit the end of their existing mixers.

After 18 months operation they were still performing to the original design. The service consisted of a simple strip, clean and adjust, all performed within a fast turnaround to keep production flowing.

As part of the process, the meat is mixed in 3 large mixing vessels. Our brief was to design a valve which not only fitted the 1m wide D shaped outlet of the mixer, but was also water tight (for the cleaning process), hygienic, self-adjusting and reliable with at least 12 months between services.



The valve also needed to operate every hour and resist the large forces of the meat being pushed against the slide plate while mixing was in progress.

The valves are a one-off design- there are no other valves like it on the market as they were designed to perform a very specific function.

Flomec / Walkers Crisps

We manufacture damper valves for the fume extraction systems in the crisp production area. They are all different sizes and designs with branches and tees. Rarely are two the same

We accommodate these changes and design the valves to fit each application on an individual basis. We use the latest CAD tools to generate laser cutting profiles for the complex joins between small branches and tees. This keeps the cost down and allows faster deliveries than calculating the profiles by hand.



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