

Magnetic separator for road tanker discharge

Greenwood Magnetics, Rochdale, Lancashire, UK, has developed a Tanker Magnet which is designed to fit on the outlet of a road powder tanker to capture any ferrous contaminants which may have found their way into the product being discharged. The unit, which is pressure rated to 10 bar, is manufactured from 304 stainless steel and fully welded to food industry standards.



Any ferrous particles blown through the pneumatic conveying line will be picked up by the high-intensity rare earth bullet-shaped magnet whilst keeping blockages to a minimum. The bullet magnet, available in strengths up to 8000 gauss, can be easily removed for cleaning by undoing the 'T' knob (which can be locked by a nut, if preferred) causing minimum delay to unloading operations.

Typically employed in the food and animal feed industries, it has proved popular with suppliers looking to enhance contamination traceability. The Tanker Magnet seals perfectly into the pneumatic conveying line, ensuring no leaks as well as quick and easy cleaning. With an end-to-end width of 340mm, the unit weighs only 5kg and has been designed to fit any line connections.

www.greenwoodmagnetics.com

A Greenwood Magnetics Tanker Magnet fitted to a tanker line blowing flour