

Dustproof self-cleaning magnet for milk powder

Goudsmit Magnetic Systems, Waalre, the Netherlands, has developed an improved version of its rotating clean-flow magnet, working in association with food manufacturer Friesland Campina Domo. The magnet removes very fine metal particles from whey powder and, thanks to a newly designed dynamic seal, it will also be dustproof at an overpressure of up to 0.4 bar. With earlier designs it was found that pressure in the filler pipe may increase during filling of bulk bags, with the overpressure causing dust leakage. In addition to this enhancement the magnetic value has been upgraded (Br value: 13,200 Gauss) and the magnets will retain their strength at higher temperatures. The magnetic bars have a Lunac coating to prevent adhesion of the product. The entire unit is electropolished, with an RA value of 0.2 for the bars and 0.6 for the housing. It is suitable for use in ATEX Zone 1/2 D.

www.goudsmit-magnetics.nl



Enhanced Goudsmit rotating clean-flow magnetic is suitable for other food products such as cocoa powder