

MAGNETIC DUCTS

REMOVE UNWANTED FERROUS

AND WORK-HARDENED STAINLESS

FROM PROCESSING LINES





····· {CESCO SERVING FOOD PROCESSORS SINCE 1946}·····

CESCO BUILDS MAGDUCTS TO YOUR SPECIFICATION

Call CESCO when you need to remove metal from powdered, granular, flaky, chunky or solid products that are moving through chutes, ducts, spouts, above baggers or beneath mixers, blenders or hoppers. CESCO will prepare a custom design for your application at no cost.

Having built magnetic separators since 1946, CESCO has acquired a large database of information that is at your disposal. CESCO has never offered a standard line of **MagDucts** because through the years we have found very few customers asking for the same item. We provide custom units in the same time it takes our competition to deliver a standard unit. But ours are made for your specific application, which saves you time and money when you install it.

If you know exactly what you want or you need to discuss your application or require assistance in selecting the proper separator, please contact your CESCO dealer, or CESCO to receive prompt service. Most separators are delivered within two weeks, more complicated units may require additional time.

Most **MagDucts** are constructed of 304 stainless steel, but we can build in 316 stainless when required. Smaller units are constructed of 16 gage (0.060") material and larger ones of 12 gage (0.105") or heavier material. The magnets can be either ceramic or the much more powerful, rare earth magnets, or a combination of each. Rare earth magnets are capable of removing work-hardened stainless and minute ferrous items; particles so small they pass undetected through metal detectors.

MagDucts are typically not designed for pressurized applications. They are shipped ready to install in your facility.

CESCO builds QUALITY equipment made to your satisfaction.

CESCO for all your magnetic separator needs.





MAGDUCTS WITH GRATES

Magnetic grates can remove microscopic particles of work-hardened stainless as well as all sizes of ferrous and nickel trash from processing lines. The grates are manufactured with 1" diameter tubing and contain either ceramic or the more powerful rare earth magnets. The tubes are spaced 2" center-to-center which provides a 1" opening for the product flow through. The open spacing between the tubes can be changed from as little as 1/2" to 3" as needed. Deflector bars of various shapes may be added to direct the flow onto the magnetic tubes, thus increasing separation efficiency. Multiple layers of magnetic grates can be used to further increase separation efficiency.

Placing a magnetic grate into a duct reduces the open flow area by about 50%. When more than 50% flow is needed, a MagDuct is required. Because we are constantly asked to solve unique metal removal problems, we are always coming up with new solutions. If you need pads for mounting an air vibrator to the MagDuct body, or maybe special brackets for mounting or locating the unit, we can build them.

Our customization capability prevents us from quoting prices from a pre-printed listing. Once we have the necessary information, we send a design sketch for your approval with price and delivery information. To assist with obtaining the necessary information, be prepared to answer questions such as: What products will flow through the MagDuct? What items need to be removed from the product? What is the flow rate? What is the largest chunk or particle size, or length? What is the size and shape of the ductwork? How much vertical room is available? What type of connections does the MagDuct need? What is the maximum operating temperature? Is there an on/off valve above or below where the MagDuct is to be located? Are any special support brackets needed? What clearance dimension should we know about?





····· {CESCO SERVING FOOD PROCESSORS SINCE 1946}·····

