

Only Dings Has Flux Control

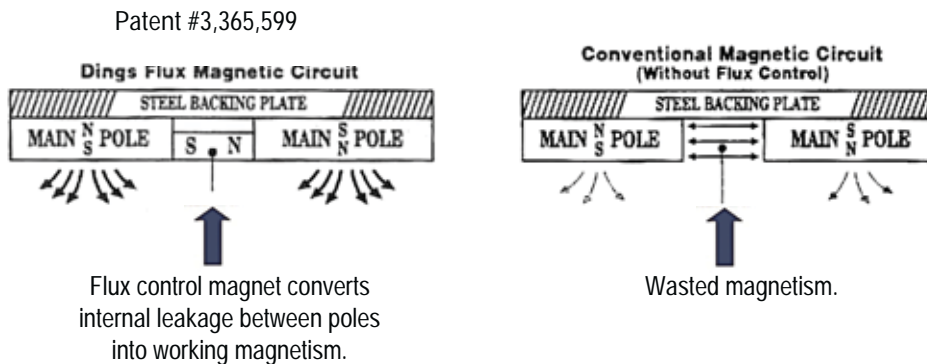
PATENTED CIRCUIT PROVIDES STRONGER, MORE UNIFORM MAGNETIC FIELD

The Dings patented flux control circuit offers another key advantage, providing a stable, even magnetic field across the entire width of the drum to recover the maximum amount of steel.

FLUX CONTROL INCREASES EFFICIENCY

The Dings flux control circuit (DFC) was a breakthrough in the design of permanent magnetic separators. A magnetic circuit patented by Dings, it eliminates internal leakage between magnetic poles and improves separating performance.

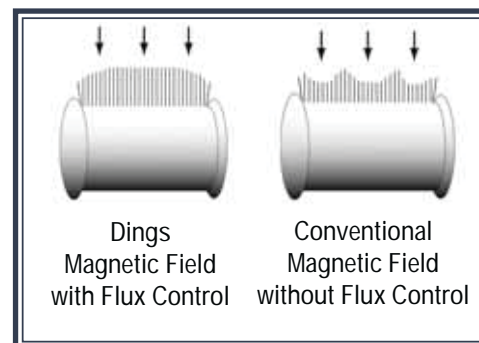
Blocking magnets are strategically positioned in spaces between magnetic poles, where there would normally be air or filler material. These blocks control the flux by redirecting the leakage, which is wasted magnetism in conventional circuits. Nearly 100% of generated flux is converted to working force with the DFC circuit.



UNIFORM FIELD IMPROVES PERFORMANCE

In addition to increasing the magnetic strength of Dings drums, this exclusive circuit design produces a very uniform magnetic field. There are no dead spots or dips across the entire width of the drum.

In contrast, electro drums and permanent drums without flux control have a nonuniform field. There are peaks and valleys in the magnetism, with the greatest concentration near the center. An uneven field can cause entrapment of nonmagnetic material in the center and also loss of ferrous metals in the low strength areas. If the drum is being used to produce clean, saleable ferrous, entrapped material can mean a loss of revenue.



Flux control produces a far more efficient magnetic field pattern.