

MAGNETIC TECHNOLOGY

WET DRUM MAGNET SEPARATOR

Model MIMS

Medium Intensity Magnetic Separator

TECHNICAL SPECIFICATIONS

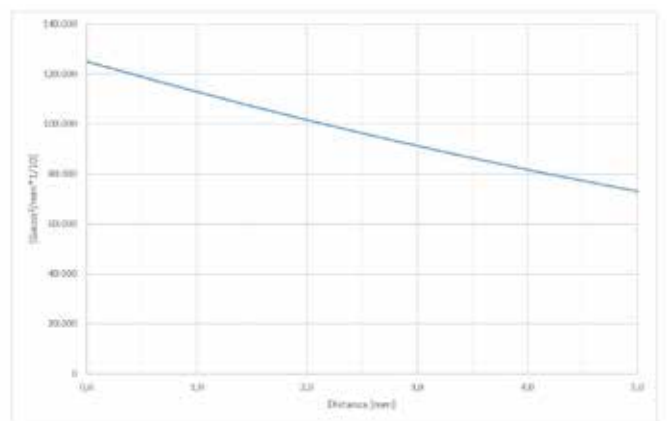
The SGM MIMS separator features an innovative proprietary magnetic circuit that results in a unique homogeneous (both axially and radially) high magnetic field and high gradient along its entire magnetic arc, which makes it extremely well performing on low magnetic susceptibility iron ore, both in terms of recovery and purity. Placed after some LIMS (Light Intensity Magnetic Separators), it constitutes an economic way to further recover some high concentrate iron ore.

Placed after some LIMS and before some WHIMS (Wet High Intensity Magnetic Separators), it can help increase significantly the productivity of the WHIMS by minimizing clogging exposure.

The SGM MIMS can operate concurrent or counter-current and can be offered with or without a tank that must be specifically designed for its magnetic circuit.

PRODUCT HIGHLIGHTS

Can be offered in diameters from 650mm - 26" to 1050mm - 41" and up to 3m - 10ft wide with a capacity of over 150 cubic meters - 5,297 cubic feet per hour and linear 1m - 3ft width.



| MODEL | CAPACITY (*) | POWER | LENGTH | WIDTH | HEIGHT | WEIGHT |
|--------------|--------------|--------|-----------------|----------------|----------------|------------------------|
| MIMS 105/150 | 38 - 50 t/h | 5.5 kW | 1500 mm 60" | 1050 mm 41" | 1809 mm 71" | 4,420 Kg 9,974 lbs |
| MIMS 105/300 | 80 - 120 t/h | 7.5 kW | 3000 mm 118" | 1050 mm 41" | 1809 mm 71" | 7,290 Kg 16,070 lbs |

(*) Depending on application, material specific weight and metal content in material

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TYPICAL APPLICATIONS

Purification of lightly magnetic iron ore

Particle size: 0-3 mm

