

MAGNETIC TECHNOLOGY

PULLEY MAGNET SEPARATOR

Model SRP-W

TECHNICAL SPECIFICATIONS

The SGM SRP-W is an ultra-high gradient magnetic head pulley mounted on its own frame, supplied with its own belt, typically much thinner than traditional conveyor belts (2mm - 0.08" versus the typical 7mm - 0.28" to 9mm - 0.35" for traditional conveyor belts). Provided with optional take away conveyor belt and adjustable splitter.

Control panel provided with drive to adjust belt speed:

- For ferrous removal: from 0,9 m/sec - 180 to 2,5 m/sec - 500 feet per minute
- For mix of ICW before chopping process: from 0,3 m/sec to 0,6 m/sec - 60 to 120 feet per minute

Available in 1000mm - 40", 1500mm - 60" and 2000mm - 80" widths in order to allow options for optimum material distribution.

PRODUCT HIGHLIGHTS

The combination of a large diameter head pulley, together with the use of the most performing generation of Neodymium magnet blocks, as well as a thin belt and a special magnetic circuit design, optimize the gradient and ferrous attraction of the SRP separators.

OPTIONAL FEATURES

- Roller splitter
- Brush cleaning system for belt
- Air knife for belt cleaning
- Vibrating feeder
- Take away conveyor belt

MODEL mm - ft	MAGNET PULLEY	BELT SPEED (*)	CAPACITY (**)	BELT SPEED	LENGTH	WIDTH	HEIGHT	WEIGHT
SRP-W 100 40	Ø 300 mm Ø 12"	0.3-2.5 m/s 60-500 fpm	5-8 t/h	2-2.8 m/s 5-8 ft/sec	2500 mm 100"	1750 mm 68"	1400 mm 55"	1450 Kg 3,200 lbs
SRP-W 150 60	Ø 300 mm Ø 12"	0.3-2.5 m/s 60-500 fpm	10-13 t/h	2-2.8 m/s 5-8 ft/sec	3050 mm 120"	2250 mm 188"	1400 mm 55"	1900 Kg 4,200 lbs
SRP-W 200 80	Ø 300 mm Ø 12"	0.3-2.5 m/s 60-500 fpm	15-18 t/h	2-2.8 m/s 5-8 ft/sec	3550 mm 140"	2750 mm 108"	1400 mm 55"	2500 Kg 5,500 lbs

(*) For mix of ICW before chopping process is recommended an average speed between 0.3 m/s and 0.6 m/s - 60 and 120 fpm
 (**) Depending on application, material specific weight and metal content in material

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TYPICAL APPLICATIONS



For removal of ferrous and lightly magnetic material.
Especially suited for Shredder Residue Insulated Copper Wire chopping process to remove lightly magnetic pieces of stainless steel to protect blade granulators.

