



SPECIALTY PRODUCTS



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FerrX 5000® Magnetic Separator



FerrX5000® Magnetic Separator

The patented FerrX5000® is specifically designed to remove ferrous materials from the effluents used to clean and rinse the surface of automotive and other welded body units, prior to the paint application. By positioning powerful rare earth magnets in the effluent stream, FerrX5000® attracts and captures ferrous particles. The self-cleaning cycle automatically purges these particles into a waste stream. No disassembly or daily attendance by plant personnel needed.

Field trials prove that the FerrX5000® can remove 75 to 150 pounds of ferrous material per week from the pre-clean phosphate tanks. A single unit installed in the phosphate pre-clean process has been proven to eliminate more than 50 percent of the metal particulate defects in a cured electro deposition surface.

Features

- Fully Automated and Self Cleaning
- Stainless Steel Construction
- Captures Ferrous Material
 - Can remove more than 50 lbs. per day of ferrous material
 - Can eliminate more than 90% of ferrous particulate that comes in contact
- Compact Design with Rolling Cart
- Fail-Closed Inlet Valve
- PLC controlled
- Safe to Operate

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Options

- **PLC –Allen Bradley Standard**
(other manufacturer's equipment can be substituted)

U.S. Patent No. 6,638,425

U.S. Patent No. 6,833,069

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Specifications

Magnets	10,000 min. Gauss Rating
Operating Pressure	100 PSI
Operating Temperature	180° F
Materials of Construction	Stainless Steel Unit on Carbon Steel Cart
Connections	3", 150# ANSI, type 304 SS S.O.R.F. Flanges on inlet and outlet
Flow Rate	300 GPM
PLC Unit	Allen Bradley Standard
Power Requirements	380-480 Volt, 50/60Hz, 3-Phase Supply
Additional Requirements	80 to 90 PSI compressed air supply
Dimensions	50" Long x 20" Wide x 65" Tall



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