



EMR Impact rappers provide reliable cleaning of precipitator plates, discharge electrodes and gas distribution systems

Designed & engineered by Neundorfer, EMR Impact rappers offer:

- Fast, easy Slip-On® Mount installation for straightforward setup
- Reliable, long-wearing gravity-impact rapping for increased precipitator power and efficiency
- Reduced time and cost associated with installation & maintenance
- Universal fit for any precipitator – proven to retrofit or adapt to any existing OEM design

EMR Impact rappers from Neundorfer are the only easy-mount gravity-impact rappers available – now with a fiberglass guide tube and integral coil assembly for vastly improved wear capabilities. The EMR Impact rapper is mounted directly on the rapper shaft, either tapered or square-ended, for essentially any precipitator and shafting configuration. With more than 27,000 Neundorfer rappers installed, the EMR Impact rapper is the latest generation of proven retrofits for any OEM rapper.

Designed in response to customer requests for a low-cost, long-life, easy-to-install gravity-impact rapper, the EMR Impact is

the result of the Neundorfer commitment to ongoing innovation and value engineering. The EMR Impact requires substantially less copper, which reduces environmental waste while delivering reliable, long-wearing service.

The EMR Impact can be used for collecting plate rapping, discharge electrode rapping and gas distribution plate rapping. The EMR Impact operates on any modern microprocessor rapper control, including the Neundorfer MicroRap.

How to Improve Precipitator Performance

An effective rapping system is the result of good shaft connections and reliable rappers. In many cases, unreliable rappers have a negative impact on electrostatic precipitator (ESP) performance. Replacing worn, high-maintenance rappers with EMR rappers can significantly improve ESP performance and reduce costs.



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Features	Benefits
■ Simple, Slip-On® Mount installation to taper or butt-ended shafts	■ Saves installation time and cost
■ Fiberglass guide tube	■ Improves wear resistance
■ Non-magnetic stainless steel strike plate between piston and shaft	■ Prevents magnetization of rapper piston to shaft
■ Two-year warranty	■ Twice the industry standard
■ Outer housing is protected with a polyester-base powder coat	■ Withstands the rigors of virtually any environment
■ Each unit is serial-numbered	■ For quality control and traceability
■ Type HTAIH copper magnet wire coil	■ For long life, reliable performance
■ Lead wires are 14-gauge 105°C stranded copper, sealed in the coil	■ For long life
■ Internal air recirculation and cooling system	■ Improves performance
■ Coil suspension and isolation from rapper shock waves with elastomeric cushions	■ For enhanced performance, durability
■ Linear response	■ For proven performance
■ Radiused ends on the piston	■ Improves lift performance and life
■ All components field serviceable and replaceable	■ Reduces downtime costs
■ Power entry junction box included	■ For ease of installation
■ Each rapper tested for operation prior to shipment	■ For quality assurance
■ Coil design life tested for one million cycles, equivalent to ten years use	■ For long, reliable service



Specifications					
Model Number	Voltage*	Amperage**	Impact Rating	Weight	Height w/out Mount
EMR Impact – 10120	120V	15 Amps	10 Ft-Lbs	44 Lbs	23"
EMR Impact – 10240	240V	11 Amps	10 Ft-Lbs	44 Lbs	23"
EMR Impact – 20120	120V	20 Amps	20 Ft-Lbs	52 Lbs	31.5"
EMR Impact – 20240	240V	13 Amps	20 Ft-Lbs	52 Lbs	31.5"

• Impact available: 0 to 20 Ft-Lbs
 • Operating temperature: -20°F to 160°F

**Voltage shown is full-wave rectified*
***Amperage may vary, depending on actual lift*

Neundorfer's goal is to help electric utilities and industrial plants reduce energy use and air pollution emissions. We team with our customers to discover possibilities, test them and design and implement action plans. Customer uniqueness drives us to a project-based approach. Some projects lead to development of products like the EMR Impact rapper.



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