

# EMR Impact Magnetic-Lift Rappers

1

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

*Designed and 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 and maintenance*
- *Universal fit for any precipitator—proven to retrofit or adapt to any existing OEM design*



**E**MR Impact rappers from Neundorfer are the only easy-mount gravity-impact rappers available—now with a streamlined internal fiberglass guide tube and integral coil guide tube 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 units installed, the EMR Impact rapper is a proven retrofit 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 Impacts requires substantially less copper for lower cost and less 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.



**NEUNDORFER**  
PARTICULATE KNOWLEDGE

# EMR Impact Magnetic-Lift Rapper

## Features

- Simple, Slip-On® Mount installation to taper or butt-ended shafts
- Fiberglass guide tube
- Non-magnetic stainless steel strike plate between piston and shaft
- Slip-off removal from the shaft
- Two-year warranty
- Outer housing is primed with zinc oxide and painted with automotive-quality enamel
- Each unit is serial-numbered
- Type H copper magnet wire coil
- Lead wires are 14-gage 105°C stranded copper, sealed in the coil
- Internal air recirculation and cooling system
- Coil suspension and isolation from rapper shock waves with elastomeric cushions
- Demonstrated highly linear response
- Radiused ends on the piston
- All components field serviceable and replaceable
- Power entry junction box included
- Each rapper tested for operation prior to shipment
- Coil design life tested for one million cycles, equivalent to ten years use

## Benefits

- Saves installation time and cost
- Improves wear resistance
- Prevents magnetization of rapper piston to shaft
- For easy seal replacement with lower-cost solid boot seals
- Twice the industry standard
- Withstands the rigors of virtually any environment
- For quality control and traceability
- For long life, reliable performance
- For long life
- Improves performance
- For enhanced performance, durability
- For proven performance
- Improves lift performance and life
- Reduces downtime costs
- For ease of installation
- For quality assurance
- For long, reliable service



## Specifications

Model Number	Voltage*	Amperage**	Impact Rating	
EMR Impact – 10120	120V	12 Amps	10 Ft-Lbs	• Impact available: Zero to 20 Ft-Lbs
EMR Impact – 10240	240V	11 Amps	10 Ft-Lbs	• Weight: All models under 30 pounds
EMR Impact – 20120	120V	26 Amps	20 Ft-Lbs	• Height without mount – 20 Ft-Lbs: 27.5" 10 Ft-Lbs: 19.5"
EMR Impact – 20240	240V	17 Amps	20 Ft-Lbs	• Operating temperature range: -20°F to 190°F

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



**NEUNDORFER**  
PARTICULATE KNOWLEDGE

**Neundorfer, Inc.** • 4590 Hamann Parkway  
Willoughby, Ohio 44094 • Phone: 440-942-8990  
Fax: 440-942-6824 • E-mail: solutions@neundorfer.com  
www.neundorfer.com