



EMISSIONGUARD™ WR⁴ Oil Wiper Ring

The CPI EMISSIONGUARD™ WR⁴ is the ultimate wiper ring for reciprocating compressor users.

Traditionally, crankcase oil wiping, also known as scraping, has been highly unpredictable, two identical reciprocating compressors, or even two throws on the same compressor, can perform entirely differently—one might seal effectively while the other fails.

CPI has addressed this phenomenon with our revolutionary WR⁴ wiper design. The WR⁴ not only looks different but also performs at a level unmatched by traditional wiper designs, effectively resolving long-standing oil leakage issues.



Exploded View of the CPI EMISSIONGUARD™ WR⁴ Wiper Ring.

The WR⁴ Wiper Ring is designed for easy installation into existing oil wiper packing case cups.

For each project, a comprehensive engineering study is conducted to ensure the optimal wiper packing case solution is provided.

Polymer materials are used, preventing potential damage to piston rods.

DESIGN FEATURES

- Central scraping edges
- Outer scraping edges
- Four scraping edges in total
- Central reservoir for increased drainage
- Hydrodynamic sealing
- Gas and oil sealing capabilities via tangent-to-rod rings
- Bi-directional design ensures error-free installation
- Reverse scraping prevented by subtle ring details
- Special Polymer Alloy materials lead-free

* Patent Pending

