

RTV OIL WIPER PACKING

Revolutionary design keeps both oil and gas in their places

RTV oil wiper packing effectively removes the lubricating oil film from the compressor rod while creating a continuous gas seal between the crankcase and distance piece. This dual function virtually eliminates oil leakage, as well as the harmful effects of fugitive emissions.



A SINGLE-GROOVE SOLUTION

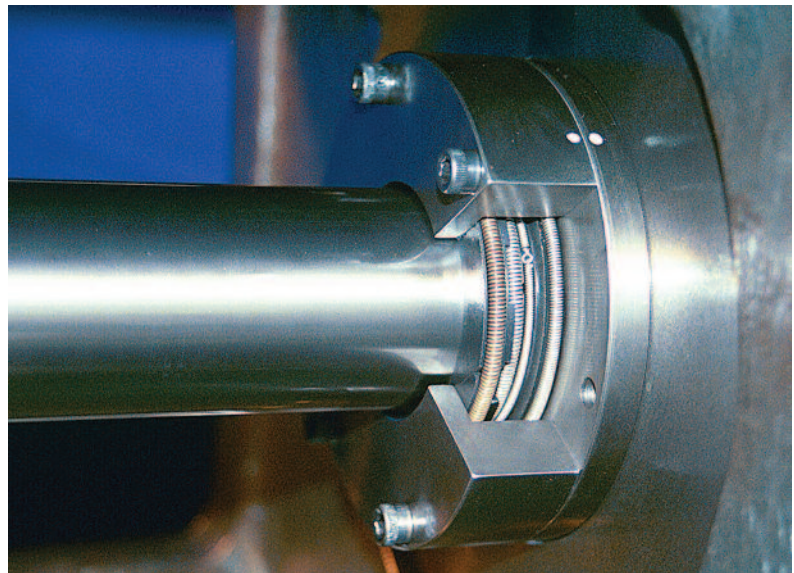
RTV wiper packing provides a complete oil wiping/gas sealing solution in a compact, single-groove assembly. The patented design is so effective, it virtually eliminates oil leakage from reciprocating compressors. It also forms a secure seal, preventing gas in the distance piece from entering the crankcase.

REDUCE COSTS, IMPROVE PROTECTION

With conventional wipers, leaks are inevitable. The result is high costs, inefficiency, and environmental problems due to excessive oil consumption. RTV packing offers a more effective solution by practically eliminating the migration of oil along the rod. Compressor operators save on the cost of oil, as well as the labor required to monitor and maintain proper oil volumes. In addition, RTV packing stops gas leaks that compromise safety, harm the environment, and contaminate lube oil.

SUPERIOR OIL REMOVAL

An RTV assembly consists of three rings. The first ring is the key to wiping effectiveness, with a proprietary knife-edge geometry that allows it to remove virtually all of the oil film wherever it contacts the rod.



BENEFITS

VIRTUALLY ELIMINATES OIL LEAKAGE

- ▶ REDUCES OIL CONSUMPTION AND COSTS
- ▶ REDUCES LABOR COSTS OF MONITORING AND REPLENISHING OIL
- ▶ REDUCES CLEANUP AND DISPOSAL COSTS
- ▶ PROTECTS THE ENVIRONMENT
- ▶ IMPROVES REGULATORY COMPLIANCE
- ▶ PROVIDES PROTECTION FOR OIL-FREE PROCESSING APPLICATIONS
- ▶ PREVENTS OIL DILUTION AND CONTAMINATION

EFFECTIVELY SEALS GAS

- ▶ IMPROVES SAFETY
- ▶ REDUCES FUGITIVE EMISSIONS
- ▶ PREVENTS OIL CONTAMINATION

OPERATIONAL ADVANTAGES

- ▶ IMPROVES COMPRESSOR RELIABILITY; REDUCES DOWNTIME
- ▶ NON-METALLIC COMPONENTS PROTECT COMPRESSOR ROD
- ▶ SIMPLE, SINGLE-GROOVE INSTALLATION FOR EASY RETROFIT

RTV packing not only removes oil more efficiently than conventional wipers, it also provides better protection of the compressor rod surface. Unlike conventional metallic wipers, all RTV ring materials are constructed of high-performance engineered thermoplastics. As a result, RTV packing provides unmatched oil removal in a totally non-metallic, non-galling wiper that will never damage the rod.

GAS SEALING

RTV assemblies create a highly effective gas seal between the crankcase and distance piece. The second ring in the assembly is side-loaded, using a special offset spring to seat the first and third rings of the assembly against the adjacent cup surfaces. This forces the RTV assembly to remain stationary, instead of moving with the rod like conventional wipers. By remaining in a fixed position, RTV packing also eliminates the "pumping action" that plagues other wipers and forces oil past the wiper packing.

The single-groove RTV design creates a more reliable gas seal than any two- or three-groove oil wiper packing. The only way to achieve a more secure seal is with nitrogen or other

How It Works



buffered arrangements, which are available with custom RTV packing configurations.

GET THE DUAL-PURPOSE WIPER

RTV packing is available in many of the most common groove sizes, making retrofits an easy process that usually requires no modification of the case.

For more details and assistance in evaluating RTV packing in your application, contact your Cook Compression representative.

Ring design, side-loading and advanced materials combine to form the most effective oil wiping/gas sealing solution.

EnviroMetrix TECHNOLOGY Today, we know more about the cost of fugitive emissions to the environment. Cook Compression has always known what they can cost to our customer. This is why Cook has led the development and engineering of sealing products for over 100 years. No one knows more about keeping gases and liquids where they belong. Our offerings that carry the EnviroMetrix logo have been specifically engineered to contain fugitive emissions.



One Name, a World of Solutions

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Compressor Valves | Capacity Control | Valve Restraining Systems | Rod Rings | Packing Cases | Piston Rings | Rider Rings
 Pistons | Rods | Cylinder Liners | Compressor and Engine Repair Services | Diagnostics and Analysis Services | Online Monitoring
 and Response Systems | Lubrication Systems and Services | Control and Automation | Engineering and Technical Support