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PRO-TEC SEALS

ARE YOU PROTECTING WHAT MATTERS?

ADVANTAGES



PRO-TEC ROTARY AIRLOCK VALVE SHAFT SEALS

Are you replacing rotary airlock valves so frequently? Maybe your rotary airlock valve was not engineered specifically for your pneumatic conveying application. We all know manufacturing is about precision, so why would you buy processing equipment that was not precise to your manufacturing process? Seventy years has taught us a thing or two about engineering products to match specific applications. One solution we offer is our PRO-TEC Seals. Unique to Wm. W. Meyer & Sons, PRO-TEC Seals protect your rotary airlock valves from damage and short life expectancy by sealing your rotary airlock valves from damage and short life expectancy by sealing powder, or bulk materials in pneumatic conveying applications. PRO-TEC Seals are effective in reducing failure, product loss, eliminating housekeeping issues, and preventing bearing and equipment downtime in today's demanding industrial processing plants. PRO-TEC seals provide a solution to today's surging wear issues across several manufacturing industries.



COST SAVINGS

Save money by eliminating common abrasive wear issues, maintenance costs, and headplate damage by using clean air in a pneumatic conveying line.



DURABILITY

Designed to work in some of the most rigorous and hostile environments in the asphalt, cement, mining, and other highly abrasive manufacturing industries.



PREVENT DOWNTIME

Preventing unexpected downtime has never been easier by ensuring your pneumatic conveying line helps clean the build-up that creates severe wear spots.



EXTENDED LIFE

Safeguarding your rotary airlock valve from the daily beating of abrasive materials will extend the life of your valve and save you on replacement costs.



PROTECTION AGAINST WEAR

Fight against your valve wearing by protecting your seals and bearings from abrasive and damaging powders, slurries and bulk materials.



REDUCE PRODUCT LOSS

Reduce product loss by preventing leakage from seals and bearings while seeing an increase in your production rate per hour.



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- Seal Air Pressure Purge
- Lantern Ring
- Back-up Ring w/ O-Ring
- Wear Ring - Inner
- Elastomer
- Wear Ring - Outer
- End Plate
- Air Purge (Lantern Ring)

PRO-TEC SEALS

The Meyer Pro-Tec seal is a positive face seal that requires little maintenance during its life. The presence of an Air Purged Lantern Ring between the Seal and the process insures that no process material comes into contact with the seal. As long as the Seal Air Pressure Purge and Lantern Ring Air Purge is maintained the seal will operate flawlessly.

The Meyer Pro-Tec Seal utilizes (2) Wollastonite filled PTFE wear rings and a pressurized elastomer to maintain the seal. The outer wear ring bears against the End Plate. The inner wear ring bears against the Back-up Ring. The Elastomer is pressurized to lock the Seal onto the shaft so that the Elastomer and Wear Rings rotate with the shaft. Between the Back-up Ring and the process is a Lantern Ring which utilizes Air Purge to keep the process material away from the seal. The Back-up Ring is installed with an O-Ring to insure that the Lantern Ring Air Purge is independent of the Seal Air Pressure Purge.

