

# Paper manufacturer selects durable, NFPA-rated cylinders to meet production demand

## RESULTS

- A superior, more durable cylinder design withstands loads from large, heavy paper rolls while minimizing equipment downtime.
- The cylinders require less maintenance, leading to time and cost savings.



## APPLICATION

Kraft paper linerboard

## CUSTOMER

Kraft paper manufacturer

## CHALLENGE

A kraft paper manufacturer was preparing to shut down its equipment to swap out all of its NFPA-rated cylinders, which help process large rolls of paper. The manufacturer needed durable cylinders that could withstand large amounts of weight and pressure for long periods of time. Due to production demands, the manufacturer had limited time to make this change, but the company's incumbent cylinder supplier couldn't accommodate the accelerated replacement timeframe.

## SOLUTION

To address these requirements, our experts immediately sent the manufacturer a CAD model and then scheduled a meeting with its technical team a day later. We recommended AVENTICS™ Series A line of NFPA-rated cylinders, which stood out from competitor products in several ways:

- The Series A features a strong, stainless steel piston rod that extends the component's service life.
- The cylinder tube is hardcoat anodized with a thick coat of aluminum oxide, leading to extreme hardness (60 Rc), a low coefficient of friction and resistance to wear and corrosion.
- The floating cushion seal design enables rapid stroke reversal by providing instantaneous full flow to the piston.

***Thanks to durable attributes, the manufacturer selected the Series A cylinders to keep up with the demands of its kraft paper operations.***

- The bushing retainer allows operators to remove the cartridge easily, facilitating repairs.

The top quality of components, coupled with a quick response and fast turnaround, solidified Emerson's strong relationship with the manufacturer.

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