



SAFELY DOES IT

Can you rely on your components safety standards? At Parker, safety comes first, along with all of its benefits.

Our safety philosophy

Safety is Parker's number one priority and is a core value that all team members share. Many Parker sites are certified to the new management system standard ISO 45001 embedding occupational health and safety management into the core business functions.

We support customers to protect their people, machinery and components and ensure end users are protected from any hazards that result from products manufactured.

How does safety affect other aspects of customer's business and industry?

- Reduces lost time
- Increased financial benefits
- Efficient assets (eg through planned preventive maintenance).
- Reduced risk of financial penalties
- Improve productivity
- Reduce absenteeism
- Protects company image & reputation
- Enhance competitive advantage in contract bidding
- Reduce workers turnover

Poor safety practice can lead to:

- Absenteeism and staff turnover with higher labour-related costs
- Insurance premiums, financial penalties
- Breakdown and damage to assets and properties and associated costs
- Inefficiencies

Importance of product certifications and complying with industry standards:

Reliability:

Industry-certified components are designed and tested to meet specific quality and performance standards. This ensures that they function reliably under demanding operating conditions, reducing the risk of malfunctions or failures.

Compatibility:

Certified components undergo rigorous testing to ensure compatibility with other system components. This compatibility leads to a seamless integration within the manufacturing process and reduces the chances of compatibility-related issues.

Safety:

Certified components are tested to meet safety regulations and standards set by regulatory authorities. Using these components helps manufacturers maintain a safe working environment, protecting both their employees and end-users from potential hazards.

Performance:

Industry-certified components are optimized for performance. They are designed to deliver consistent and efficient performance, enhancing the overall functionality and effectiveness of the manufactured products.

Safety implications of using non-tested alternatives:

Malfunction:

Non-tested alternatives may not function as expected or may have design flaws that compromise their performance. This can lead to equipment malfunction, resulting in accidents or injuries.

Durability:

Durability: Non-tested alternatives often lack the durability and strength required for industrial applications. They may deteriorate quickly, leading to frequent breakdowns and potentially hazardous situations.

Compliance:

Non-tested components may not meet the necessary industry regulations and standards. Using such components can result in legal issues, limited market access, and a tarnished reputation for manufacturers.

Risk to Personnel:

Poor-quality components can pose a significant risk to the operators and maintenance personnel. These components may fail unexpectedly, leading to injuries or even fatalities.

DESIGNING SAFETY INTO MANUFACTURING OPERATIONS

When selecting products and components for their machinery, manufacturers should consider several key safety features. Here are some essential safety features to consider, along with how Parker can assist:

- * Emergency Stop Functions - Parker provides a range of pneumatic, hydraulic, and electromechanical components that can be integrated into emergency stop systems, ensuring rapid and reliable machinery shutdown when necessary.
- * Lockout/Tagout (LOTO) Capabilities - Parker's valves and hydraulic and pneumatic systems can be designed to integrate with lockout/tagout procedures, ensuring energy isolation can be achieved effectively and safely.
- * Overload Protection - Parker offers sensors and control systems that can monitor and regulate the operation of machinery, preventing overload conditions by adjusting or shutting down operations as necessary.
- * Fire and Explosion Protection - Parker provides a range of products designed for use in hazardous environments, including explosion-proof solenoid valves and fittings.
- * Leak Detection and Fluid Management - Parker's fluid connectors, seals, and hoses are designed to minimize leaks, and their condition monitoring systems can detect leaks early, preventing spills and exposure to hazardous substances.

- * Ergonomics and Operator Comfort - Parker's human-machine interface (HMI) solutions, including control levers and touch screens, are designed for ease of use and operator comfort, reducing the risk of operator error.

How Parker's LV and EZ Lock-Out Valves Keep People Safe

Discover how Parker's LV and EZ Lock-Out Valves are a testament to our commitment to creating a safer working environment in industries dealing with pneumatic applications.