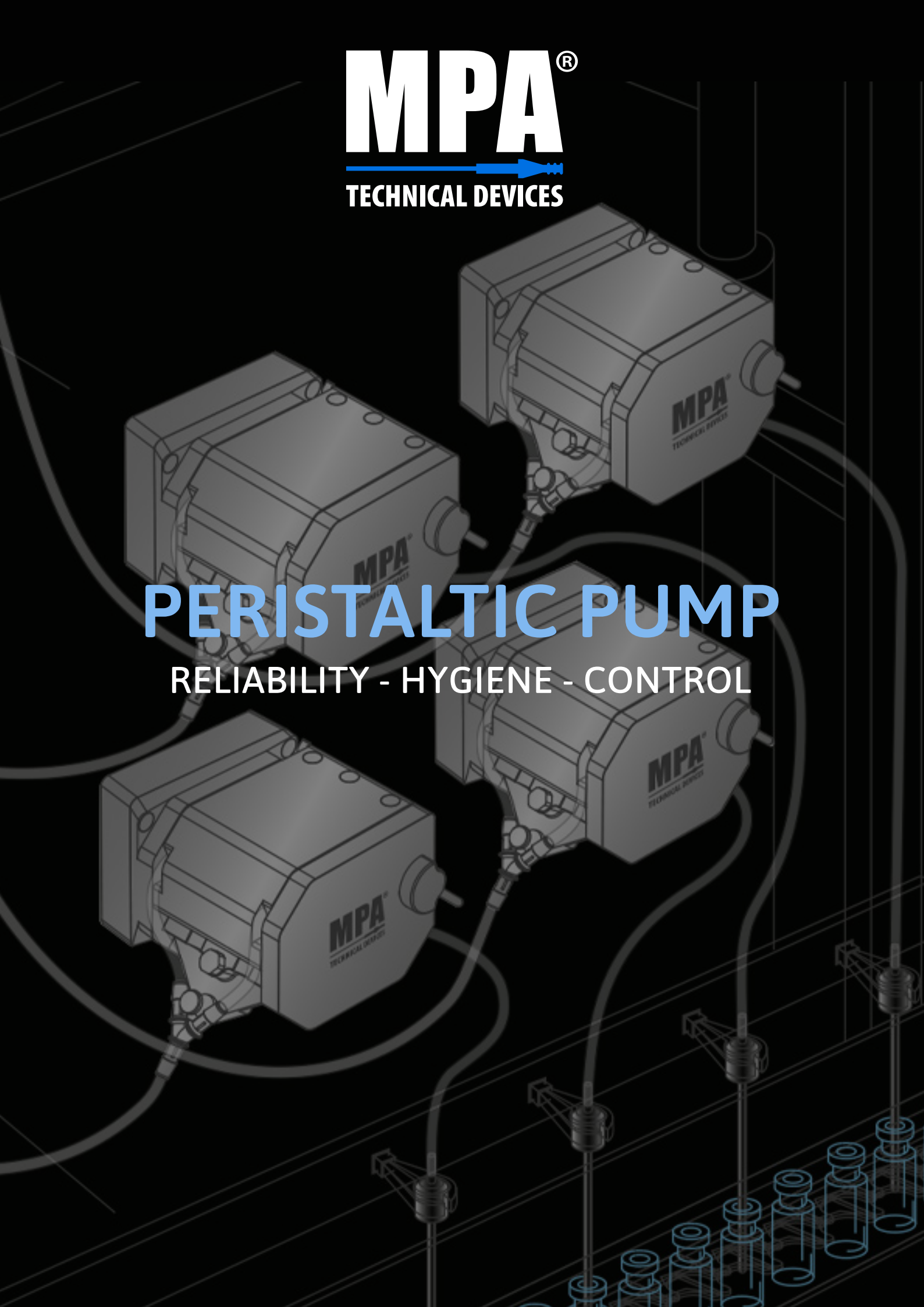


**MPA<sup>®</sup>**  
TECHNICAL DEVICES

# PERISTALTIC PUMP

RELIABILITY - HYGIENE - CONTROL



## MPA Peristaltic Pump

In the pharmaceutical and biotechnological industries, fluid handling requires solutions that ensure **product safety, process repeatability and regulatory compliance**. Peristaltic pumps are a well-established technology for the transfer and dosing of sensitive fluids, thanks to a simple yet highly effective operating principle. The new **MPA peristaltic pump** has been developed to meet these requirements through an engineering approach focused on quality, hygiene and performance stability.

### Why choose a peristaltic pump

A **peristaltic pump** moves the fluid through a flexible tube that is cyclically compressed by rollers. The product comes into contact **exclusively with the tubing**, without any interaction with moving mechanical or metallic parts, except in cases where a needle is installed at the end of the tube. This principle ensures:

- sterile and easily replaceable fluid path;
- reduced risk of contamination;
- simple cleaning and fast product changeover;
- gentle pumping action, ideal for sensitive fluids.

For these reasons, peristaltic pumps are widely used in pharmaceutical, biotech and single-use processes.

### The MPA peristaltic pump: designed for pharma

The MPA peristaltic pump has been developed to deliver **performance comparable to the market gold standard**, while maintaining a strong focus on hygiene, reliability and easy integration into existing processes.

Every design choice is aimed at ensuring operational stability, reduced maintenance and full compatibility with GMP environments.

### Key features

#### Two models

The MPA peristaltic pump is available in:

- **Stainless steel**, for applications with high hygienic requirements and production environments demanding maximum durability and long-term stability;
- **Aluminium**, for lighter and more cost-effective solutions, ideal for less demanding applications.

This flexibility allows users to select the most suitable configuration for their specific application, without compromising performance.



### Functional innovation: PEEK leaf springs

A key differentiating feature of the MPA pump is the use of **PEEK leaf springs** instead of traditional metal springs.

This solution provides tangible benefits:

- more constant and repeatable tube compression over time;
- improved hygienic design thanks to fewer gaps and hard-to-clean surfaces;
- enhanced stability of pumping performance.

A design detail that translates into greater process reliability and reduced maintenance requirements.

### Performance and reliability

The MPA peristaltic pump is designed to ensure:

- precise and repeatable dosing;
- stable operation, even in continuous-duty applications;
- easy integration into pharmaceutical process systems.

The result is a robust solution, developed to support customers in the most critical applications, from fluid transfer to controlled dosing.

### Typical applications

The MPA peristaltic pump is suitable for:

- sterile fluid transfer;
- dosing and formulation;
- pharmaceutical and biotechnological processes;
- integration into single-use systems;
- applications where hygiene, flexibility and operational simplicity are key requirements.



## An MPA solution

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With the introduction of the new peristaltic pump, MPA expands its portfolio of fluid handling solutions for the pharmaceutical industry. Alongside its well-established stainless steel and ceramic volumetric pumps, MPA now offers a complementary, flexible technology designed for modern processes.

A single design philosophy: quality, expertise and reliability, serving our customers' production needs.



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