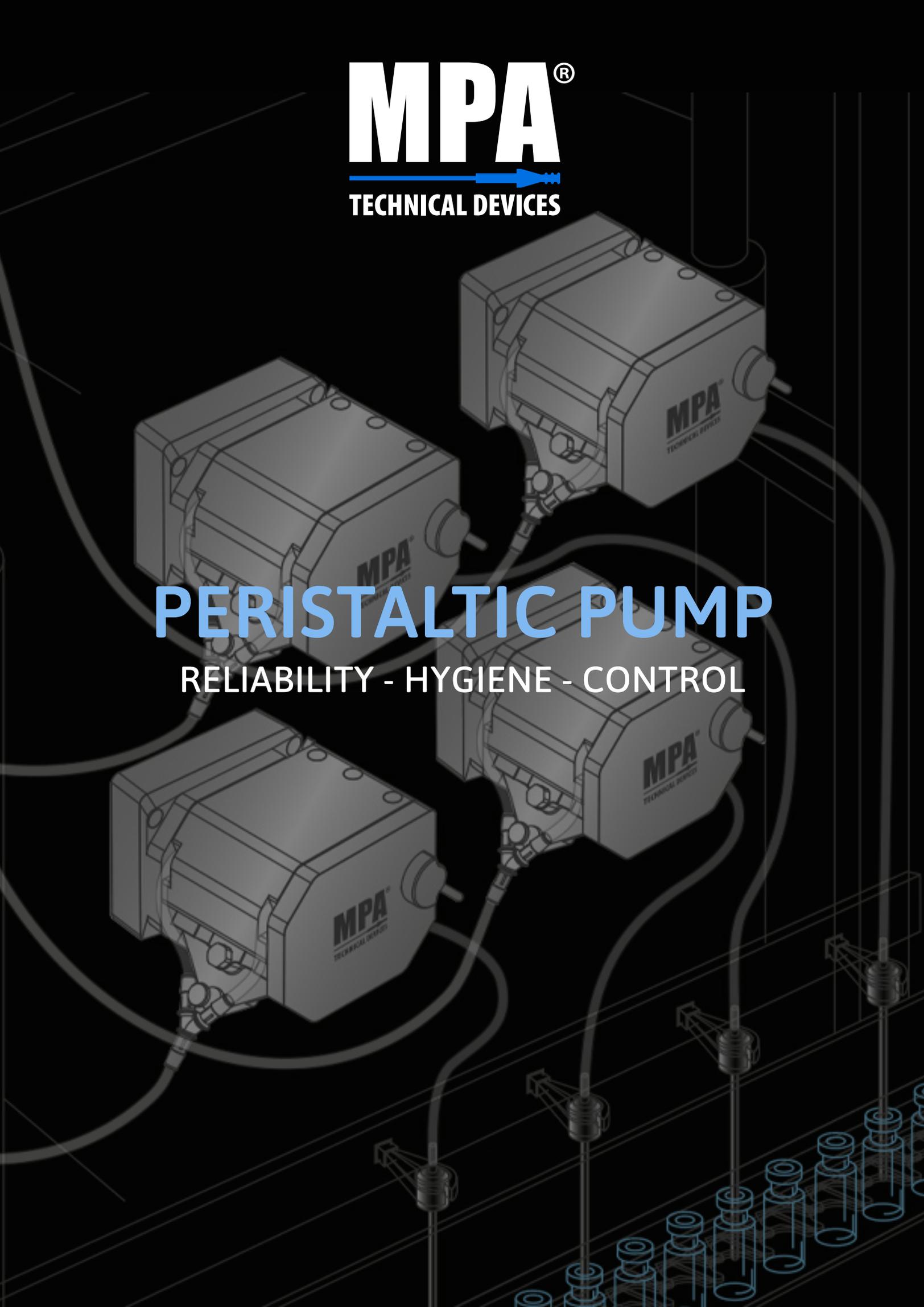


MPA[®]

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

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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