



Innovative and Integrated Solutions
 **C_Fluid Control**

Life Science Solutions





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Camozzi, more than just air

A commitment
to excellence

FOCUS ON MAXIMISING
CUSTOMER BENEFITS

CONSTANT COMMITMENT
TO IMPROVING PERFORMANCE

PRODUCTION PLANTS IN ITALY, USA,
RUSSIA, UKRAINE, CHINA AND INDIA

BRANCHES, DISTRIBUTORS
AND SUPPORT CENTRES IN MORE
THAN 75 COUNTRIES OVER THE WORLD

Camozzi was founded in 1964 and since then we have specialised in pneumatic automation. Our product range has been constantly and we now design and manufacture a comprehensive range of highly advanced components and systems. Our objective is to satisfy our customers needs through the provision of innovative and high quality solutions, which are produced using optimised production processes and supported by excellent pre and post sales support services. The passion and enterprising nature of the company's founders, the Camozzi brothers, has always guided

the business, leading to sustained growth and a global presence. One of our guiding philosophies is to be close to our customers throughout the world as we believe this is fundamental in the building of successful partnerships. It is through these close customer partnerships that we provide quality components which are in accordance with local regulations and standards. Every product and solution offered is fully supported through our global infrastructure, which ensures we are proactive in providing solutions and quick to meet the needs of every customer.



Innovative and Integrated Solutions

C_Fluid Control

C_Fluid Control delivers solutions which make a real difference



In addition to the continuous development of our range of pneumatic components, we are also investing heavily in the fluid control market. The FLUID CONTROL division of the Camozzi Group provides solutions to meet the needs of this increasingly complex and innovative market. The new FLUID CONTROL division expands the range of solutions available from Camozzi and enables us to serve even more sectors.

- Innovation**
 Camozzi has received global recognition for the development of its miniaturised solenoid valves used to control liquid and gases in scientific applications.
- Quality**
 Camozzi continuously pursues "Total Quality" and each Group company receives substantial investment to ensure conformity with recognised international standards.
- Experience**
 Camozzi has a wide range of high specification fluid control solutions which have been designed to meet the specific requirements of individual industrial sectors.
- Customer Focus**
 Our design engineers work closely with customers to understand their requirements, leading to the delivery of customised solutions using the most appropriate and innovative components.

Polpenazze production facility - Italy

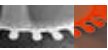


In-house laboratory testing



In-house test area simulating the most diverse working conditions





Biotechnology

Diagnostic Instruments

Analytical & Biopharma Instruments

Biotech or Biotechnology include a wide range of procedures for modifying living organisms according to human purposes. The use of biotechnology also includes genetic engineering as well as cell and tissue culture technologies.

Biotech Diagnostic & Analytical instrumentation provides laboratory test demonstrating the presence or identification, the quality and the quantity of the substances in organisms or drugs.

These procedures are useful and indispensable to determine the therapy of disease and to discover new drugs. Camozzi designs, develops and assembles components and equipment to supply specialized fluidic and electronic solutions to manufacturers of diagnostic and analytical instruments. The expertise and experience of our technicians allow us to offer fully customized solutions based on a large range of solenoid valves for the construction of fluid control systems which apply advanced and innovative technologies.

- Clinical diagnostic
- Molecular diagnostic
- Clinical chemistry
- Hematology
- Electrophoresis
- Immunology
- Pathogen detection

- Elemental analysis
- Molecular analysis
- Separation analysis
- Liquid chromatography
- Gas chromatography
- Drug discovery
- Flow cytometry
- DNA/RNA synthesis
- Microbiology equipments



Medical device

*Equipment for
therapeutic uses*

*Solenoid valves
& solutions*



A medical device is an instrument, apparatus, implant or other similar which is intended for use in the diagnostics of disease or other conditions, or treatment, mitigation and prevention of disease or pain. Medical device include a wide range of products varying in complexity and application. FLUID CONTROL is classified as one of the basic technologies in medical technology and related sectors, due to the fact that the substances are primarily present in liquid and gaseous form. The logical requirement for the components and solenoid valves for this sector is:

- Media isolation
- Small internal volume and overall dimensions
- Use of inert and compatible materials
- Low power consumption
- Proportional control

Medical equipment employs many different technologies to customize solutions in terms of functionality, dimensions, and the overall configuration of the components which must comply with material compatibility and specific legislation relating to the Life Science sector. Our internal laboratories are fully equipped with the most modern instruments to conduct application and customer specific tests.

- Dental equipment
- Anaesthesia
- Ventilator
- Dialysis equipment
- Hospital sterilizers
- Vacuumtherapy
- Pressotherapy
- Ophthalmology
- Oxygenotherapy
- Oxygen concentrators
- Pressure measurement
- Surgery equipment
- Drug discovery
- Dosing and dispensing
- Infusion equipment
- Emergency ventilator
- Oxy & medical gas discovery



Technology

C_Fluid Control apply high technology for the most reliable solutions

Our experience, as demonstrated by the miniature solenoid valves we have developed for the automation, medical and analytical sector, ensure only high precision and reliable components are supplied to each customer. The combined expertise of the engineers at the Camozzi Research Center enables us to provide solutions specifically

for the “Life Science” market which uses the most innovative technology platform available. A wide range of high quality and modular products are available which are fully tested in accordance with customer specifications. Each product benefits from a combination of modern and customer focused design, leading to the highest standards of performances.

Miniaturization

In the Medical devices and the Diagnostic-Analytical instruments the currently prevailing trends are the miniaturization of the components. Camozzi can provide individual components, for example 8 mm 10 mm 15 mm miniature size pilot as well as complete

systems incorporating membrane separate valves, proportional valves, servo-valves, regulators and pneumatic actuators. The wide range of miniaturized components facilitates the choice of the most suitable solution based on the application needs.



Media isolation valves

In the Medical devices and the Diagnostic-Analytical Instruments many applications are critical and need total absence of contact between the fluids (liquid or gas) and the internal parts of the solenoid valve.

The following must be assured:

- The total prevention of contamination from the particles

of material from dynamic functions.

- The protection of the valve from handling extremely aggressive fluids and high reliability of the internal parts.
- The reduction of the heat transfer from the coil.

A large range of Camozzi Membrane Separate valves are suitable to satisfy all these requirements.



Proportional control

Many applications in the Medical devices and the Diagnostic-Analytical instruments or equipment require Proportional flow solenoid valves or electrical Pressure Regulators. These components thanks to their intrinsically characteristics can be applied in several critical functions for medical and surgical devices.

High precision is required in devices for Ventilators, Anaesthesia, Insufflators, Oxygen concentrators and dosing and dispensing functions in the Analytical analysis. Many types of proportional flow valves and Pressure regulators are available in Camozzi's range of products.



Customized solutions

Compact integrated customized Technical Solutions

Our “Lean Philosophy” enables us to ensure production flexibility whilst the extensive technical knowledge residing at the Camozzi Research Center means we are fully equipped to deliver customized solutions which are developed by working closely with each customer. When designing components our focus is always on performance and the optimization of dimensions. It is this focus that enables us to deliver compact fluidic modules and circuits that guarantee high speed, excellent flow, low consumption, lightweight and clean design.



*What makes us
different*

Global vision, local service
and a commitment to excellence

- Innovative New Generation Products
- Optimisation of Internal Processes and Successful Relationships with Customers and Suppliers
- Complete and Customised Solutions
- Focus on Product Quality and Customer Service

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