

Clippard

Medical Applications



Precision Control Solutions for Medical Instrumentation

Clippard provides precision, pressure and flow control solutions designed to meet the high standards of analytical applications.

Key benefits of our solutions:

- Ultra-low leak rates for maximum system integrity
- Stable and precise pressure and flow control
- Proven repeatability for consistent analytical results
- Testing and certification options

Application Areas

Regenerative Medicine - Gas
Delivery Equipment - Oxygen
Concentrator - Medical Diagnostic
Equipment - Dialysis Equipment
- Surgical Devices - Dental
Equipment - 3D Bioprinting

Examples of Clippard Solutions in...

Dialysis Equipment

Clippard's Pinch Valves actuate externally on disposable tubing for total fluid isolation, delivering low-heat, low-noise, and long-term reliability for critical blood-flow control.



ECMO Systems

Clippard standard and custom solutions provide precise oxygen blending and gas control, with ultra-low leakage, minimal power, and high-cycle reliability within compact footprints.



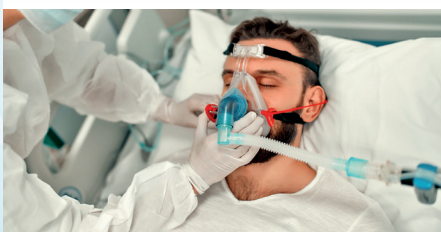
Orthopedic Surgery

DVP Proportional Valves deliver fast, quiet and safe pressure control for rapid cuff inflation and deflation, offering minimal power draw and exceptionally low hysteresis.



Ventilators & Artificial Hearts

Clippard's spider technology valves (including the EHS and EV) provide low-leak, low-power control with high cycle life (1B+ actuations) to pilot pumps and blend gases.



MRI Compatible Solutions

Standard and custom versions of our valves use non-magnetic materials for safe pressure and flow control inside high-magnetic-field zones, ensuring strict medical safety compliance.



Portable Oxygen Concentrators

Clippard's EVP Proportional Control Valves (based on the 1B+ cycle EV Series) provide consistent gain and flow regulation based on the current input.



What Sets Us Apart

- **Engineering collaboration:** Our engineers work directly with yours to solve complex application challenges
- **Built for medical standards:** ISO-certified manufacturing, Class 7 clean rooms, and rigorous testing
- **Proven reliability:** State-of-the-art test labs and fully tested sub-assemblies ensure consistent performance
- **Responsive partnership:** Local technical support and custom solutions that shorten development time and reduce system complexity

Clippard Products for Medical Applications

Panel-Mounted Pinch Valves

For applications that require easier access or enhanced cleanliness, our pinch valves are also available with a convenient panel mount option. This offers simplified installation, a cleaner appearance, and reduced contamination risk.



EHS High Pressure Valve

Delivers robust performance in higher pressure applications (up to 70 bar), prioritizing both safe functionality and the reduction of potential leak points.



Proportional Valves

High resolution DVP, EVP and SCPV Proportional Valves enable precise delivery of blended medical gases in ventilators, bioreactors, and anesthesia equipment.



Oxygen Clean EV Valve

Manufactured and assembled for use in oxygen-enriched environments. For applications that are extremely sensitive to contamination.



DR2 Precision Regulator

Offers exceptional repeatability for stable pressure control in medical devices. Available in non-bleed and manifold-mount configurations, they ensure reliable gas regulation with zero air consumption.



Custom Solutions

We know standardized products don't always fit your needs. That's why we offer custom-engineered solutions developed together with your engineers to fit your exact application.

Get in touch: sales@clippard.eu

For more info, scan the QR code or visit
shop.clippard.eu/link/medical

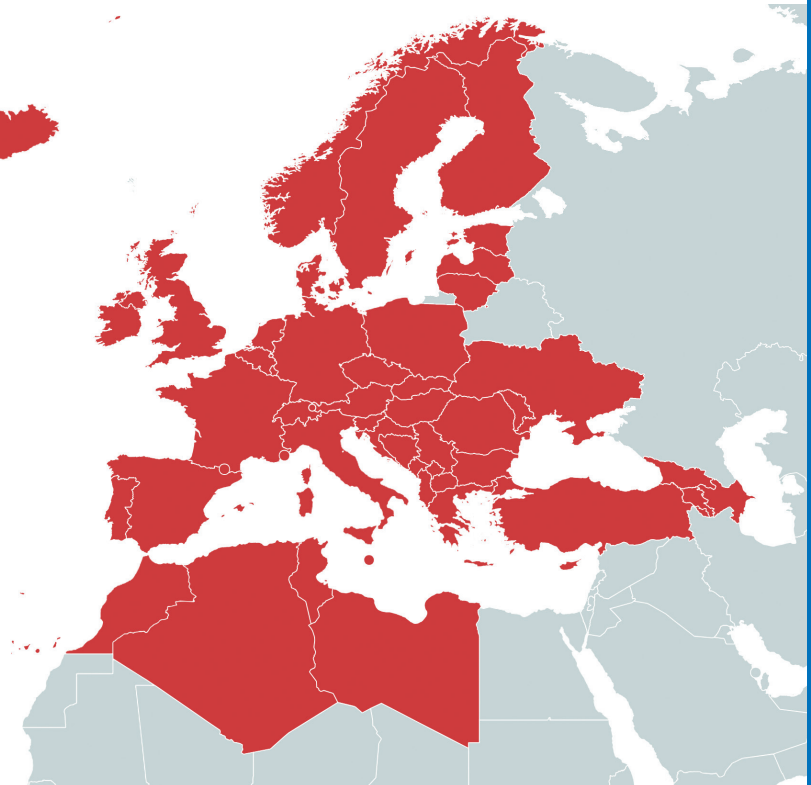


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Founded in Cincinnati, Ohio in 1941, Clippard is a third-generation, family-owned manufacturer of precision control solutions. We specialize in precision pressure control, high-resolution flow control, and ultra-low leak solutions.

From our European headquarters, Clippard Europe serves customers in 30 countries. Thanks to our local presence, our clients benefit from the reliability and innovation of Clippard's products, along with a responsive, multilingual service from a team that understands your local market and can support your development process from concept to delivery.

Have a new project in mind?

Our team is ready to help you design and deliver tailored solutions for your applications.

Write to us on
sales@clippard.eu
or scan the QR code.



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