



## **EVR Products Details Custom Rubber Hose Manufacturing Capabilities**

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EVR Products provides custom rubber hose and elbow manufacturing services for industrial clients across multiple sectors. The company maintains production capabilities for engineered rubber components designed to meet specific application requirements in demanding operating environments.

Custom rubber hose manufacturing involves precise material selection, tooling design, and quality control processes that differ significantly from standard production runs. EVR Products operates with the equipment and technical expertise necessary to produce hoses and elbows in configurations that address unique dimensional, chemical resistance, and temperature specifications. Each component is manufactured to customer-supplied drawings or developed collaboratively through the company's engineering consultation process.

"Our manufacturing team works directly with clients from the initial design phase through final production to make sure every rubber hose and elbow meets the exact specifications required for their application," said Gary Waldick, Vice President of EVR Products. "That hands-on approach to custom fabrication is central to how we operate."

The company's production capabilities encompass a range of rubber compounds, including natural rubber, EPDM, nitrile, neoprene, silicone, and fluoroelastomer formulations. Material selection is driven by the end-use environment, with factors such as fluid compatibility, operating temperature range, pressure ratings, and abrasion resistance determining the appropriate compound for each application. This materials expertise allows the company to serve industries where component failure carries significant operational and safety consequences.

Elasto Valve Rubber elbows and hoses are manufactured using mandrel-built construction methods that allow for complex geometries and tight dimensional tolerances. Mandrel building is a labor-intensive process that produces components with consistent wall thickness and reliable performance characteristics compared to alternative manufacturing methods. The process is particularly well suited for low-to-medium volume production runs where standard catalog products do not meet application requirements.

Industrial rubber hose assemblies frequently require integration with metal fittings, flanges, or coupling systems. EVR Products provides finished assemblies that arrive ready for installation, reducing the need for customers to source and coordinate multiple vendors for a single component. This integrated manufacturing approach addresses supply chain complexity for procurement teams managing custom specifications.

"Custom rubber manufacturing requires an understanding of both material science and real-world operating conditions," Waldick said. "We draw on decades of experience with elastomer compounds and industrial applications to recommend solutions that perform reliably over the full service life of the component."

The company serves clients in sectors including mining, oil and gas, water treatment, chemical processing, pulp and paper, and general industrial manufacturing. Rubber hoses and elbows in these applications are subject to demanding conditions that include high temperatures, corrosive media, vacuum service, and mechanical vibration. Proper material specification and manufacturing execution are critical factors in component longevity and system reliability in such environments.

Quality assurance procedures at the facility include incoming material verification, in-process dimensional inspection, and post-cure testing protocols. These measures are designed to identify and correct deviations before finished products reach the customer. Documentation packages including material certifications and inspection records are available to support client quality management systems and regulatory compliance requirements.

Rubber compound engineering continues to evolve as new polymer technologies and reinforcement materials become available to manufacturers. Advances in elastomer chemistry have expanded the operating envelopes for custom rubber components, enabling their use in applications that previously required rigid

piping or metallic flexible connectors. EVR Products maintains current knowledge of compound developments to provide informed material recommendations.

The custom manufacturing process typically begins with a technical review of the application requirements, followed by compound selection, tooling fabrication or selection, prototype production when warranted, and full production. Lead times vary based on complexity, compound availability, and order volume. The company works with clients to establish production schedules that align with project timelines and maintenance planning cycles.

For organizations requiring engineered rubber hose and elbow components built to specific application parameters, EVR Products offers direct technical consultation and manufacturing services.

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### **Elasto-Valve Rubber Products Inc.**

*ISO 9001-certified manufacturer of custom rubber process piping solutions since 1984. Based in Sudbury, Ontario, EVR Products specializes in expansion joints, pinch valves, duckbill check valves, and more for global industries.*

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