

Coaxial Valve Technology – Leading the way forward.

Connexion Developments Ltd, in collaboration with RSG Regel - und Steuergeräte GmbH, is pleased to announce a significant achievement in the realm of custom manifold design, specifically in the coaxial valve domain.



Initially employing standard 2/2 way coaxial valves for the construction of high-pressure 40 Bar fluid control systems, our client sought a more tailored solution for their manifold system.

Recognizing the limitations of the existing approach, we introduced the RSG 270X modular system, which proved to be an optimal choice. This modular system offers versatility through a range of combinations and full customization capabilities, accommodating pressure control valves and monitoring devices.



The seamless integration of the RSG 270X modular system paved the way for the development of a fully customized 3D-printed plastic valve manifold system tailored to the client's specifications. This bespoke solution, meticulously crafted to meet both dimensional and functional requirements, was delivered within a commendable 30-day timeframe in September 2022.

Following rigorous functional tests and evaluations, the successful validation in May 2023 led to the awarding of an 18-month contract. In July, a minor noncritical modification to the valve's exterior was seamlessly incorporated into the design.

Despite this modification, the delivery timeline only experienced a minimal extension of three weeks. Consequently, the complete delivery was expedited, and the project was successfully concluded in early November 2023.

