

Many functions under one roof

Valve terminal VTUX from Festo combines the advantages of three classic valve terminals

Festo is now making it even easier for its users: the proven advantages and all the useful functions of the classic valve terminals CPV, MPA-L/S and VTUG are now available under the umbrella of the convertible valve terminal VTUX. In addition, the AP-I and AP-A communication system creates the ideal platform for digitalized production. This provides flexibility, enables open architectures and the seamless integration of electrical and pneumatic automation.

The further development of the three valve terminal classics CPV, MPA-L/S and VTUG impresses with its high flow rate and almost limitless modularity. The valve terminal is suitable for almost any machine concept, whether centralized or decentralized. The valve terminal modules can be arranged as required and are compact and lightweight. They save time as well as space and weight in the machine.

Openness with AP communication technology

With AP communication technology, connections become child's play, even over long distances. This communication technology creates the infrastructure for technological functionalities such as sensor integration and enables predictive maintenance, for example. The remote I/O system CPX-AP-A with IP65/67 protection enables real-time communication via Ethernet-based fieldbus. The seamless connectivity also supports all other technologies such as IO-Link or direct fieldbus integration.

Whether centralized, decentralized or hybrid connection - the seamless approach offers scalable configurations, integrated safety functions and flexibility for the customer's machine concept. Machines communicate efficiently, grow flexibly and meet the highest safety requirements. They cover the entire portfolio - from compact individual applications to complex networks.

Compact and lightweight

The lightweight design of the VTUX allows it to be used on the front-end unit, a gantry or robot arm. This enables short and efficient compressed air lines.

The VTUX valve terminal marks the beginning of a new era for valve terminals - in keeping with Festo's anniversary year, in which the company is celebrating 100 years of innovation in automation technology. With its features, VTUX is the valve terminal platform of the future:

- AP technology from Festo, the new technological standard for communication, ensures lower costs and greater performance at the same time.
- Integrated: It offers openness for function integration such as predictive maintenance or data exchange with the cloud in the Industrial Internet of Things (IIOT).
- Compact and lightweight: It saves space and weight in the machine and increases productivity through faster work cycles. Installation and commissioning times are reduced thanks to the simple and modular design.

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About Festo

Festo is a global player and an independent family-owned company with headquarters in Esslingen am Neckar, Germany. Festo has set standards in industrial automation technology and technical education ever since its establishment, thereby making a contribution to sustainable development of the environment, the economy and society. The company supplies pneumatic and electrical automation technology to 300,000 customers of factory and process automation in over 35 industries. Digitalization, AI and the LifeTech sector with medical technology and laboratory automation are becoming increasingly important. The products and services are available in 176 countries. With about 20,600 employees in over 250 branch offices in around 60 countries worldwide, Festo achieved a turnover of around €3.45 billion in 2024. More than 8% of this turnover is invested in research and development. In this learning company, 1.5 % of turnover is invested in basic and further training. Festo Didactic SE is a leading provider of technical education and training and offers its customers worldwide comprehensive digital and physical learning solutions in the industrial environment.