

Festo Introduces Pneumatic Essentials – a Program for Easy-Order/Fast-Ship Pneumatic Products

Making something simple isn't easy. Festo invested sizable resources over four years to create Pneumatic Essentials.

Festo launches the Pneumatic [Essentials](#) program, an ambitious global undertaking to streamline ordering, ensure fast delivery of guaranteed in-stock pneumatic components, and produce more compact parts for today's smaller footprint, energy efficient machines. In addition to competitive prices, guaranteed availability, short delivery time, and innovative design, customers are assured of world-renowned Festo quality components that boost machine performance, lower waste, and reduce the risk of downtime.

Pneumatic Essentials is a one-stop-shop for the 16 fundamental components that Festo finds fit most common pneumatic applications. These components include air preparation, high wear polyurethane tubing, one-way flow control valve, high flow valves for normal and harsh environments, self-teaching proximity switch, mini slide, guided drive, direct interchangeability ANSI NFPA cylinders, and metric and imperial round and compact cylinders.

North American customers will experience short delivery times for both catalog and customized Essentials components from the Festo Global Production Center in Mason, Ohio. Quick, assured Essentials shipping is available to customers globally from Festo regional service centers. Global availability is an inventory and uptime plus for original equipment manufacturers and end users, as they are assured of rapid receipt of replacement parts.

Festo invested substantial time, energy, and resources in augmenting manufacturing and logistics to ensure a robust supply chain for Pneumatic Essentials. And the company was not content simply to rebrand existing components. Festo identified key products that would benefit from upgrading and built new manufacturing lines for those with new designs. For example, the new design-award winning [SDBT-MSX](#) proximity sensor is the world's first programmable proximity switch with automatic switching point setting.

Smaller, lighter parts contribute to reduced footprint and more energy efficient machines and are important attributes of Essentials products. The [DGST](#) pneumatic mini slide, for example, is one of the most compact units on the market. Festo machines the DGST slide and yoke plate from a single piece of aluminum, ensuring low torsion and accurate alignment.

A new ultra-compact double-acting cylinder, the [ADN-S](#), is 36% shorter and 20% lighter than similar actuators. And the round body metric cylinder, [DSNU-S](#), has the same bore and stroke as its ISO counterpart [DSNU](#), yet is up to 40% slimmer, 35 mm shorter, 50% lighter, and ideal for space constrained applications.

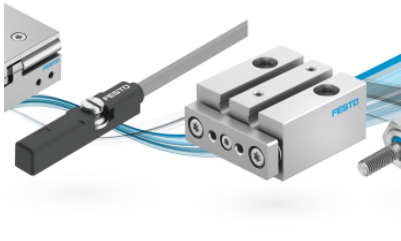
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Festo Essentials

Pneumatic Essentials is a one-stop-shop for fundamental components such as this mini slide, proximity switch, guided drive, and compact cylinder.



Festo ADN-S

An ultra-compact Festo ADN-S cylinder, left, is considerably smaller compared to a compact ADN cylinder.



DSNU-S

The DSNU-S, right, Festo's new space-optimized round cylinder with self-adjusting cushioning, is up to 40% slimmer, 35 mm shorter, and 50% lighter than its ISO counterpart DSNU.



SDBT-SMX

Festo's new SDBT-SMX is the first programmable proximity switch with auto teach-in for easy commissioning.



Festo DGST mini slide

Festo machined the DGST slide and yoke plate from a single piece of aluminum, ensuring low torsion and accurate alignment.

Festo Canada

Festo at a glance

Festo, the world's leading supplier of automation technology and technical education, is deploying its products and services to meet the challenges of digitization and smart production. Founded in 1925, the family-owned company based in Esslingen, Germany supports a wide range of needs for advanced solutions in factory and process automation. Festo Canada, celebrating its 50th anniversary this year, has been continuously elevating the state of manufacturing in this country with innovative products, optimized motion control solutions and unrivalled support. Globally, some 300,000 customers put their trust in the company's pneumatic and electric drive products and technology. In addition, Festo Didactic provides state-of-the-art training equipment and educational programs for industrial companies and educational institutions – about 56,000 customers worldwide. The Festo Group registered sales of €3.45 billion in 2024 financial year and is represented worldwide at 250 locations with about 20,600 employees. More than 8% of its annual turnover is invested in research and development.