

Get more insights on how Emerson can optimize your meat, fish and poultry operations



AVENTICS™ Pneumatic Solutions for the Meat, Fish and Poultry Industry

Optimize process efficiency, increase reliability and meet hygiene standards with tailored pneumatics systems





AVENTICS pneumatics solutions – innovative products for your unique applications

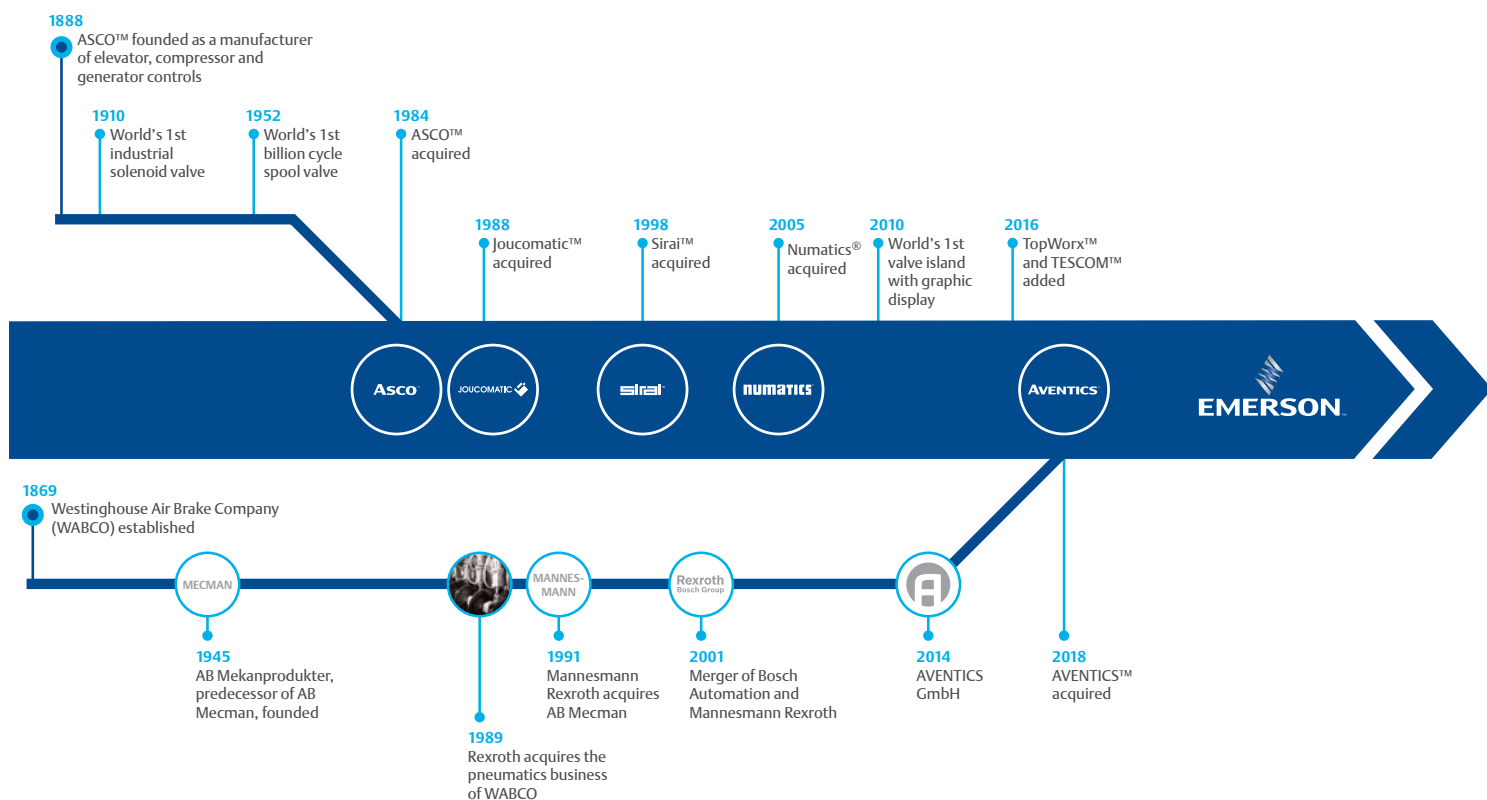
From air supply management to actuators – our comprehensive product range has been specially tailored for the food industry and is home in all zones. The pneumatic components comply with the respective hygiene demands, fit together perfectly, and allow you to create optimized complete solutions.

This is our promise to you

As a clever, uncomplicated partner we see our customers as equals, offer modern, innovative products, and impress with quick solutions.

- We speak our customers' language
- We exceed the customers' expectation
- We convince by creativity in engineering
- We are an active member of the EHEDG Working Group
- We set trends in pneumatics and are the experts for special applications

Our history and our future





“Optimize processes with intelligent pneumatic solutions in order to further simplify complex machines.”
 – Xavier van Aelst, Director Global Business Development Food, Beverage & Packaging

Food zones, splash zones and non-food zones – our pneumatics work everywhere

Pneumatic solutions from Emerson are exactly tailored to the specific demands of the application and work conditions. This not only ensures optimum process efficiency and reliability, but also guarantees compliance with the hygiene standards for the individual production areas.

Meat

- Livestock farming, meat processing, end-of-line

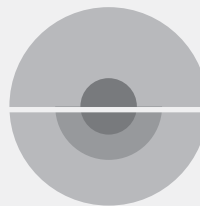
Fish

- Primary and secondary processing, value-added processing, end-of-line

Poultry

- Live bird, slaughtering, poultry processing, end-of-line

- Product contact surface (ISO 14159, EHEDG)
- Non-product contact surface (ISO 14159, EHEDG)



Food zone ■ (DIN EN 1672-2:2005)

Splash zone ■ (DIN EN 1672-2:2005)

Non-food zone ■ (DIN EN 1672-2:2005)

Food zone

Product comes into contact with the surface.

Splash zone

Product may come into contact with a surface.

Non-food zone

Final packaging, no contact.

All solutions fulfill all requirements laid out in the appropriate directives and standards.





Always the right solution for your application

Fish filleting machine

Using CSL-RD cylinders for applications according to ISO 6432. Electro polished surface ($R_a < 0,6 \mu\text{m}$), with elastic or pneumatic cushioning, FDA confirm Silicone-free food grease according to ISO 21469. Together with ED02 for constant forces and high dynamics in IP65 and fieldbus connection. Using CL03 valves in IP69K with hygienic seals, fieldbus or multipole connection, resistant to detergents.

Poultry line

Using 740 valves delivered with accessories in a kit with one part number for easy ordering and less mistakes while assembling. Corrosion-proof, chemical resistance, ATEX certification, IP65. Electrical or pneumatic actuated. Long lifetime without friction.

Meat processing machine

Using ICL or CCL cylinders ISO 15552 for height adjustments. High-performance cylinders in hygienic design, easy cleanable and corrosion resistant. FDA scrapers, food lubrication, magnetic piston and adjustable cushioning. Optional double ports in one cover, low temperature seals, and many more.

Actuators

Valve technology

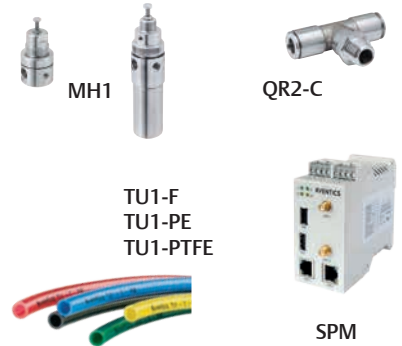
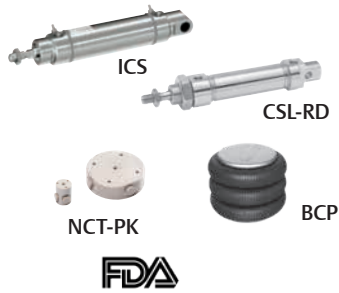
Air supply management

Cylinders, drives, accesories

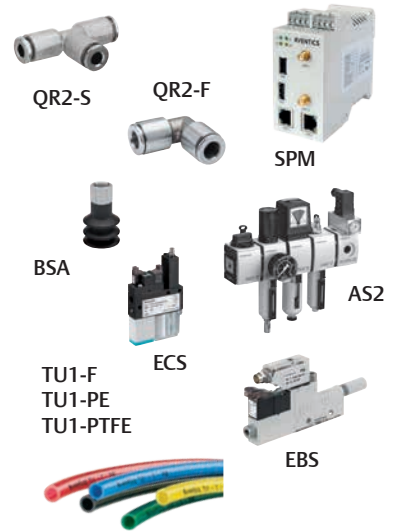
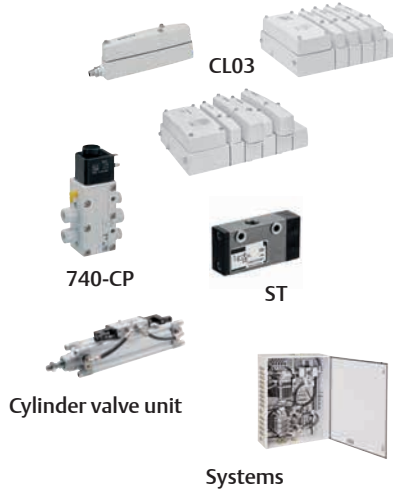
Valve systems, directional valves,
electro-pneumatic pressure
regulators, accessories

Maintenance units, pneumatic
connection technology, accessories

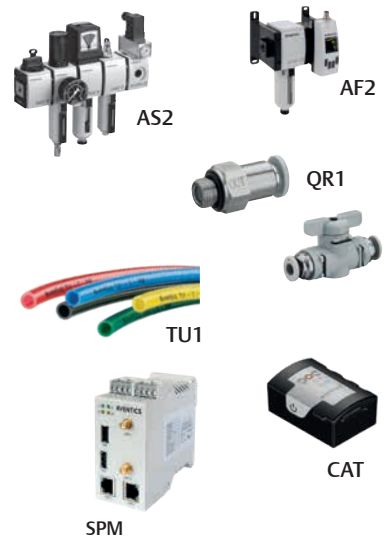
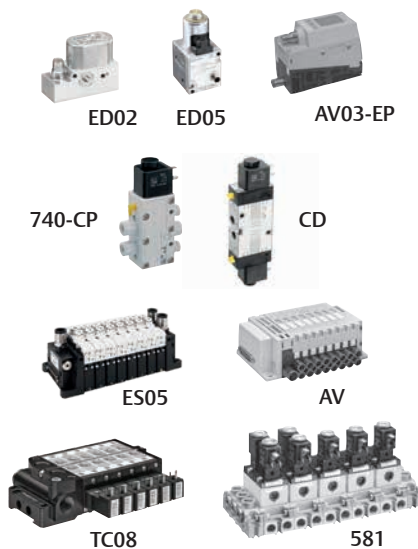
FOOD ZONE



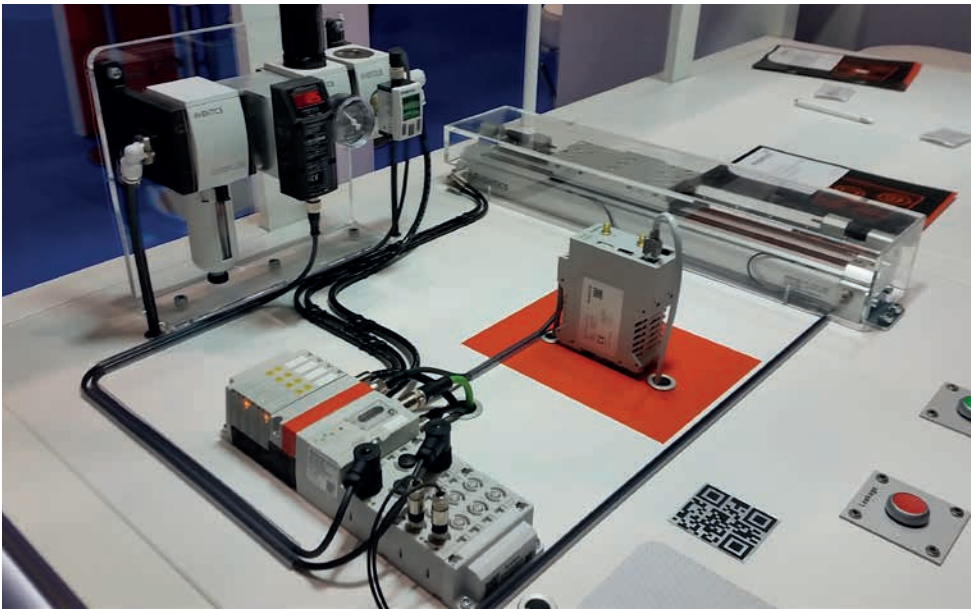
SPLASH ZONE



NON-FOOD ZONE



Our expertise is your benefit



Customer-specific solutions and system technology

Developing customer-specific solutions is one of our core skills. This includes planning, configuration, and assembly of pneumatic controls, as well as the creation of customer-specific product adaptations and new developments.

- Ready-to-install cylinder valve units
- Modified valve systems and maintenance units
- Configured control cabinets and panels

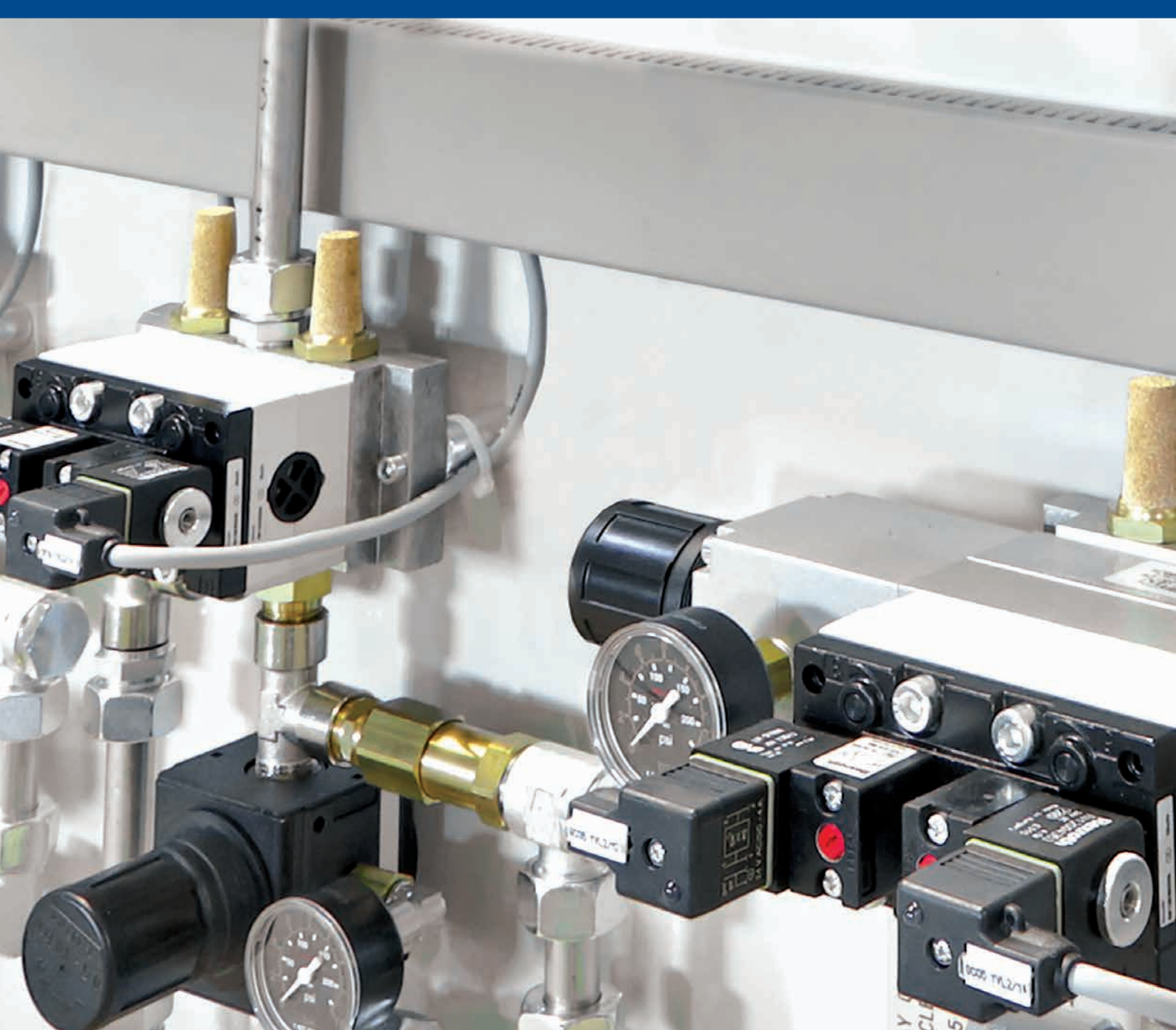
Smart products and the Internet of Things

We support our customers with products and concepts to implement intelligent pneumatics: networking, self-diagnosis, and decentralization.

- Member of the Science-to-Business Center
- Solutions for predictive maintenance for more energy efficiency and a high level of user-friendliness
- Support by a specific team of experts

Machine safety

We advise on all matters of machine safety for pneumatic controls and offer comprehensive service to help you develop and achieve a sound safety concept, as well as supplying the right products. Draw on the knowledge of our experts for these complex tasks.



Engineering tools


Our online portal is available around the clock and includes comprehensive information on our product program and sophisticated engineering tools that you can use free-of-charge.

 CAD


 Circuit Diagram Software


 CylinderFinder

 Configurators

 Catalog and Pneumatics Shop

 Sales Partner Portal

 Calculation Programs

 Cross Reference Tool



www.engineering-tools.com





Reduce the complexity of your machines, optimize process efficiency and increase reliability.



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