

Agri-Food Products and Solutions



ASCO[™]


EMERSON[™]

Our wide industry expertise

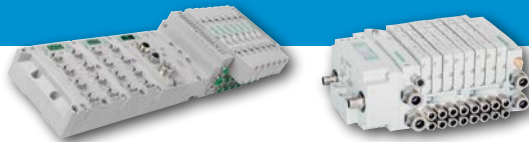
The production of agri-food products requires implementation and monitoring of a large number of advanced technologies and processes. From receiving the raw materials to packaging the finished products, ASCO components help to automate, optimise and increase the reliability of your processes. A world leader in solenoid valves and general purpose valves, and a key player in the world of pneumatic components, ASCO offers solutions suited to your tasks, with standard and specialised products.

Meat industry



From slaughter to packaging, meat processing requires solutions that are perfectly suited to the harshest environments. ASCO's anti-corrosion actuators are designed to be resistant to intensive cleaning. Their technical features (laser marking, FDA grease, high quality seals) enable easy maintenance. Our 551-series valves ensure seamless piloting of these actuators.

Dairy industry



The automated processes for transforming milk into ultra fresh products, cheese or milk powder require reliable and robust technologies. With their modular design, ASCO valve islands are easily integrated into cabinets. They have innovative functions, such as integrated displays, which enable quick and simple operation and diagnostics for new or existing processes.



Drinks industry



The drinks industry imposes strict requirements. Perfect hygiene is critical for ensuring stable quality and preservation of the finished products, whether beer, lemonade, mineral water, fruit juice or wine. ASCO aseptic valves are EHEDG approved. This hygienic design enables quick and efficient internal cleaning. Our stainless steel angled seat valves complement our auxiliary fluids range and are (EC) 1935-2004 certified for food and beverage applications.

Cereals industry



All stages, from transporting the grain to its arrival at the silo, and from storage to shipment, require safe and high-performance handling, drying, cleaning, storage and ventilation equipment that ensures the sanitary safety of the grain. ASCO systems are specially developed for monitoring the opening/closing of hatches, and are delivered fully assembled and tested. They ensure a completely safe function. Our dust collector equipment is ideal for both ATEX and non-ATEX dusty environments.



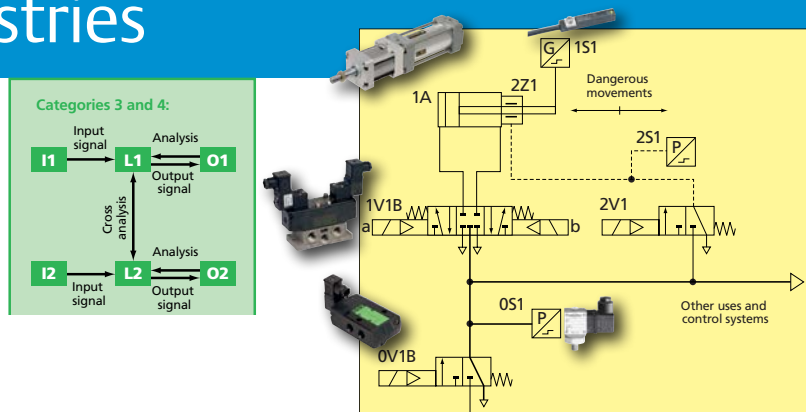
Fruit and vegetable industry



During the production run, fruit and vegetable processing factories must successfully complete a process without any errors and without stopping the process at any point. Both in the canning industry and in the frozen foods industry, the equipment is subject to harsh environments, due to the presence of water, steam, juices and residue.

Our 290 and 298 Series valves are compliant with the pressure equipment directive 97/23/EC and standard IEC 61508, safety integrity level SIL 2. They have a very robust design and are recommended for applications in harsh conditions: steam, superheated water, and aggressive fluids.

Other industries



Baked goods, pastries, chocolate products and confectionery undergo a number of automated processes in the course of their production. The standards and directives for the safety of machines and people must be adhered to throughout the manufacturing process. From risk analysis to the required performance level, ASCO will help you with our pneumatic solutions that conform to the standard EN 13849-1.

Standards and directives

ASCO designs, manufactures and markets a full range of products with the certifications necessary for installation in sensitive or hazardous zones.

Certification



ATEX directive



Accidental ignition of an atmosphere containing large quantities of gas, vapours, mists and/or dust may cause an explosion. Measures have been taken on an international level in order to avoid any material damage or the loss of human lives.

ZONES	0	20	1	21	2	22
atmosphere type	G	D	G	D	G	D
explosive atmosphere	permanent presence		intermittent presence		episodic presence (never in standard service)	
category of devices	1		2		3	

G: Gas
D: Dust

Safety of machines



Three strong ideas for the design of machines and safety functions have arisen from the practice of the new Machinery Directive 2006/42/EC:

- Risk analysis prior to the design
- Special attention to the quantitative aspect of the safety functions, in addition to the qualitative approach
- Use of performance levels (PL).

ASCO will aid you with our pneumatic solutions that conform to the standard EN 13849-1.

Our solutions at the heart of your process

Process piloting

Two key solutions are proposed for the piloting of valves and actuators in a process:

- Direct piloting of the process valves with a complete range of Namur spool valves and solenoid valves.
- Remote piloting with pneumatic valve islands with on/off electrical cabling or connection to a fieldbus. Additional input/output modules are available for connection to position detectors or for piloting the solenoid valves. The islands may also be supplied in a stainless steel cabinet, ready to be installed, specially manufactured and certified according to your specifications.

ASCO adapts to your environment by responding to these two possibilities and ensures reliable and safe piloting.



Direct piloting



Remote piloting with the islands



Humid zones

Equipment suitable for intensive cleaning

The use of increasingly aggressive antibacterial chemicals helps to eliminate the risk of contamination of food that is in contact with the machines, however, this may be damaging to your equipment over time.

Frequent cleaning of the automated applications requires the use of specific equipment that is resistant to these aggressive agents.

ASCO offers a wide range of pneumatic components, valves and solenoid valves that are perfectly suited to the harshest environments.



Dusty environments

Animal feeding, cereal, powder and starch product industries

Dusty environments resulting from cereal, animal feed or milk powder production require the use of specific equipment for handling, storage and drying.

ASCO designs, manufactures and markets a full range of products specifically for these environments, as well as for hazardous zones: explosive atmospheres according to the ATEX directive 2014/34/EU.





ASCO Express

ASCO guarantees quick delivery on a wide range of products. Selected products can be shipped the same day for any order placed before midday. You will therefore minimise downtime and make considerable savings on productivity.

Find out more at www.asconumatics.eu/express



For more information visit our site:
<http://www.asconumatics.eu/industries/food-industry.html>

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