

Fluid Automation Solutions

for Dust Collector Systems



ASCO[™]


EMERSON[™]

ASCO solutions

ASCO provides worldwide support for the automation of dust collector systems. Our ultra-reliable diaphragm valves, sequential controllers, cylinders and other components come with ensured availability and localised support.



The critical difference in dust collection

A variety of manufacturers make valves, cylinders, and other automation components that control the flow of compressed air through industrial dust collector systems. Performance and cost-effectiveness are essential in all such systems.

What makes ASCO different is its unique combination of quality, performance, and value with quick shipment of standard components — as well as consistent technical support and service for easy assembly, reliable operation, and efficient maintenance. For decades, we've been a leading supplier to engineering contractors and to end users of dust collector systems in a wide range of industries, including the following:

- Lime and cement processing
- Grain, agriculture, and feed
- Metalworking (welding, grinding, cutting ...)
- Food processing
- Heavy industries (iron, steel ...)
- Pharmaceutical (Powder ...)
- Power engineering (coal-fired power plants)
- Wood machining

Our high-efficiency designs permit dust collector manufacturers to create more cost-effective systems. Our high flow and pressure ratings allow those systems to operate at peak performance. And our robust design means longer life and reduced downtime. From high-reliability products to easy-replacement valve rebuild kits — both at competitive prices — ASCO provides superior solutions for dust collector systems.

Outstanding advantages

Ensured availability. Other suppliers may be limited to a single distribution point: we provide localised distribution across the globe. ASCO offers its most popular products for dust collectors via quick-shipment programmes — including “Express”.

Superior support. With more than 100 professionals handling direct sales, plus more than 140 distributors in Europe alone, ASCO has you covered. Ask our technical experts anything about specification, installation, performance, or maintenance of dust collector air system components. You'll get fast and most accurate answers.

Unequaled quality and reliability. We build our products for rock-solid, repeatable operation over long lifetimes. For instance, our pulse valves are rated at 1 million cycles, with internals designed and constructed for tight seating. You save expensive compressed air — and get maximum pulse pressure for the best performance, every time.





Aluminium Tank System

The modular all-in-one tank system is supplied with CE marking in conformity with European Pressure Equipment Directive 2014/68/EU. Extremely short response times enable high peak pressures for best cleaning efficiency. The system stands out for its ease of handling. Its modular design allows it to be readily adapted to suit specific customer needs.



Pilot Valves

Their bubble-tight seals minimise leakage and reduce air energy costs. Specify these valves for individual installation or mounting in a panel enclosure. Their compact, low-weight construction is available in rugged brass or plastic bodies.



Air Preparation

Our filters and regulators offer high-performance yet cost-effective treatment of air quality and pressure in your dust collector system. Unmatched flexibility with very small to very large piping and port sizes, plus the industry's broadest selection of micron ratings.

Dirty Air Supply



Pilot Boxes

Corrosion-resistant enclosures made of aluminium and plastic provide protection for prewired ASCO remote pilot valves. Installer-friendly layouts allow mounting in any position. Specify watertight/dust-tight or explosion-proof protection.



Diaphragm Valves

These diaphragm-operated models are specially designed to deliver extremely fast pulsing in reverse-jet systems. With high flow, quick opening/closing, and long cycle life, they help provide maximally effective filter element cleaning, time after time.



Cylinders

Built for demanding dust collection applications. Each features an extra-long, cast iron rod bushing, plus an oversized wear band at rear of piston — both contributing to long life. Includes proven PUR piston seal configuration for added reliability and performance.



Sequential Controllers

These operate ASCO valves for maximum effectiveness in pulsing filter elements. LEDs provide visual indication of which valves are being energised, and of "power-on" state. The pulse valves can also be piloted via ΔP control.



Bulkhead Fittings

These convenient components eliminate welding in through-the-wall installations. Fittings are installed through the dust collector wall, gasketed in place, then secured with a retaining ring.



Clean Air



Shown with piston-operated pulse valves

Particulate Collection



Adjustable Pressure Switches

Available with or without protection and status indicators, each pressure switch comes with a threaded G 1/4 side connection. The pressure setting ranges from 0.5 to 10 bar. With bodies made of polycarbonate, the valves have an ingress protection rating of IP65.



ASCO Power Pulse Valves

Featuring the latest high-efficiency, pistonoperated technology. The polyacetal (POM) cartridges in these high-quality aluminium valves supply long operating life, wide temperature range, and high peak pressure. A patented clamp connection eliminates thread cutting and sealing — minimising installation time.

Product range

Pilot boxes	4 – 12 pilot valves, with or without heating, ATEX approvals
Pilot valves	Plastic / brass bodies, ATEX approvals
Dust collector valves	¾" to 3", pilot or pressure operated, aluminium or stainless steel, various types of connection, ATEX approvals
Sequential controllers	With or without ΔP pressure sensor, up to 192 valves, ATEX approvals, BUS control via open protocol
Tank systems	6" and 8" valves in steel or 1" and 1 ½" valves in aluminium, ATEX approvals
Bulkhead fittings	¾" to 2" in aluminium
Cylinders	Ø 32 – Ø 250, ATEX approvals
Air preparation	1" and 1 ½" filters and pressure regulators up to 16 bar, ATEX approvals

We will be pleased to advise you on applications for our dust collector systems. Just give us a call on +49 7237-996-0 or send us an e-mail at asconumatics-de@emerson.com quoting reference "Dust Collector Systems".

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 Or visit www.asconumatics.eu/products/catalogues/dust-collector-systems.html

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