

ASCO numatics™



Fluid Automation Solutions for Refining

www.asconumatics.com


EMERSON
Industrial Automation



ASCO Numatics provides superior fluid automation solutions for refineries worldwide. Both refiners and engineering/procurement contractors appreciate our established reputation for unsurpassed reliability across the widest possible range of applications.

Presenting ASCO Numatics solutions

The right choice for refineries

For more than 60 years, our products have supplied dependable valve actuation at critical points in the refining process. Today, ASCO Numatics provides advanced, cost-competitive fluid automation solutions with the best reliability records and most complete application coverage in oil and gas refineries worldwide.

Applied with confidence

From contractor design engineers to refinery instrumentation, process control, safety, and maintenance engineers, experienced customers know where to turn. They trust ASCO Numatics to fill a comprehensive set of fluid automation needs for downstream oil and gas production. These include:

- Process heaters
- Desulfurization operations
- Flaring systems
- Coking units

A case in point: ultrareliable ASCO solenoid pilot valves are the industry's gold standard in gas shutoff for process heater burners. They're ideal where spurious trips must be avoided, yet positive shutdowns of process valves must occur unfailingly, upon command, to prevent unsafe events.

Unsurpassed reliability

Modern refineries must run continuously, year after year. ASCO Numatics understands the need to keep your process running — and the need to shut it down, with absolute reliability, on command. We know the refinery business. And we design our products with the materials, build quality, and quality control to meet refineries' needs.

For example, our solenoid valves are famous for extended service life. ASCO Redhat® coils have been known to outlast competitive designs by factors of two or more.

Unmatched advantages

Wide application range. ASCO Numatics is your one-stop shop. For the refining applications we serve, no other supplier offers a more complete set of products and configurations — starting with 50,000 different solenoid valves.

Immediate availability. The refinery business runs on rapid response. So many of our most popular products are available via ASCO Today and 5Day shipping programs.

Worldwide sales and service. ASCO Numatics is part of Emerson, the leader in process plant automation. Our products are absolutely consistent, no matter where you source them. And you're covered around the globe by the industry's best sales and service — anytime and everywhere.

Strong standards. Our offerings meet all relevant requirements for explosion-proof, hazardous locations, including FM, UL, CSA, and ATEX. And no one else has more third-party-certified IEC 61508, SIL 3-capable safety valves.

Forward-looking designs. ASCO Numatics products not only meet your refinery needs today. They're fit for the future as well. For example, our low power valves have a power consumption of only 0.55 W to cut down on your current and future power supply costs.



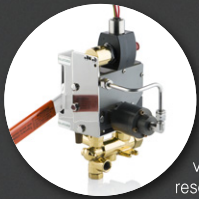
ASCO solenoid pilot valves are an integral part of the final control element for any safety instrumented system (SIS) or critical application. ASCO offers three solenoid pilot valve solutions that are widely used in the process control industry: individual 3-way pilot valves, manual reset valves, and redundant pilot valve systems.



ASCO Pilot Valves

These 3-way and 4-way models are the refining industry's most varied, proven, and widely used solenoid pilot valves. They're applied throughout the plant as the primary devices for process valve actuation, as well as the shutdown valve when used with digital valve controllers for on-off and control valve applications. Their high flows allow more cycles and maximize throughput.

Select from Standard, 0.55W and 1.4W Low Power, Intrinsically Safe, and Non-Incendive Field Wiring Solenoid Valves. Exida certified SIL 3 capable constructions are available.



ASCO Manual Reset Valves

Nothing else can match the level of trust our best-selling solenoid pilot valves inspire in lever-operated manual reset applications. Their corrosion-resistant materials and industrial-strength components have helped make them a legend in harsh refining environments. Apply wherever human interaction is recommended — and absolute reliability is essential.



ASCO Safety Application Valves

We're also the acknowledged leaders in solenoid pilot valves used with safety instrumented systems (SIS) and similar applications in critical refinery locations. Example: our ASCO RCS is a redundant control system that acts as a single three-way valve. Features include the ability to perform online testing of the redundant solenoid valves, and automatic partial stroke testing of the process valve. You get ensured functional safety with unequaled reliability.



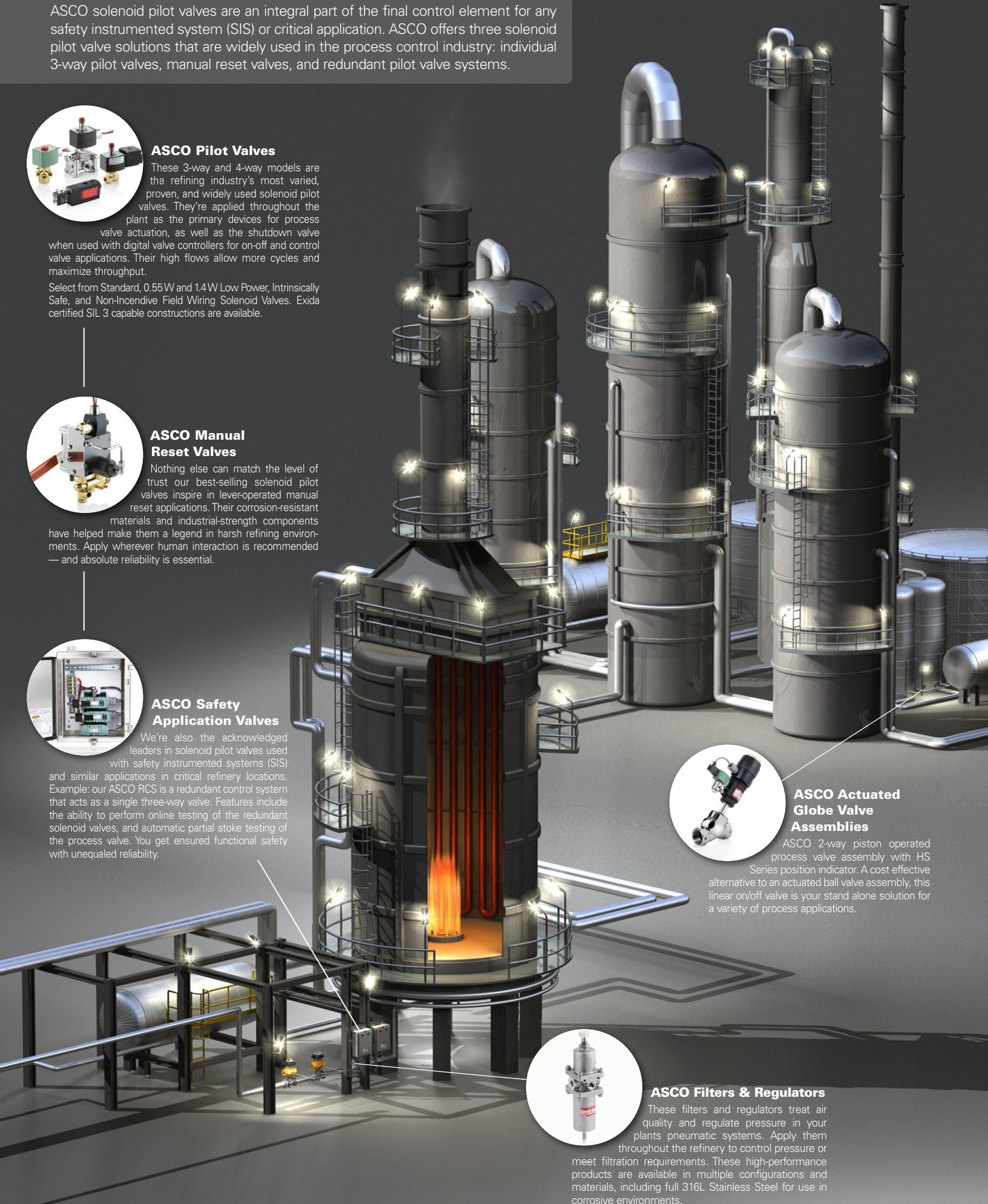
ASCO Actuated Globe Valve Assemblies

ASCO 2-way piston operated process valve assembly with HS Series position indicator. A cost effective alternative to an actuated ball valve assembly, this linear on/off valve is your stand alone solution for a variety of process applications.



ASCO Filters & Regulators

These filters and regulators treat air quality and regulate pressure in your plants pneumatic systems. Apply them throughout the refinery to control pressure or meet filtration requirements. These high-performance products are available in multiple configurations and materials, including full 316L Stainless Steel for use in corrosive environments.



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