

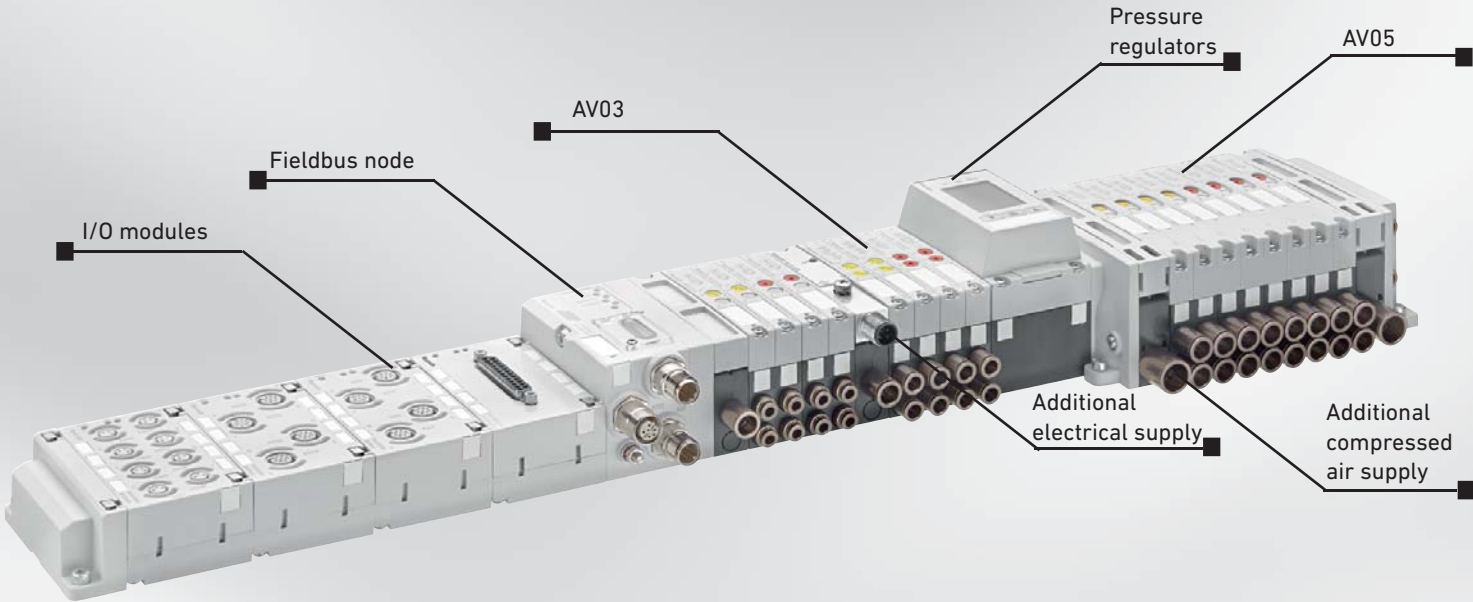
AV SYSTEMS ADVANCED VALVES FROM AVENTICS



Pneumatics
It's that easy

The next generation advanced pneumatic valves from AVENTICS

The AV family makes it even easier to use, configure, and expand existing or new systems and ensures a coherent system design with uniform stages of expansion.



AV03 and AV05 valves - More Modular, Compact and Simple

More modular, smaller and simpler, AVENTICS AV (Advanced Valve) System is perfect for every situation. Each component of the AV System is a small masterpiece - from the diagonal spool design to the flexible base plate system. Designed for optimized compressed air balance, compared to existing products, the AV03/AV05 offers 45 percent space savings, 40 percent less weight and 20 percent less compressed air consumption.

AV (Advanced Valves)

- Diagonal spool reduces volume and improves performance.
- High-tech polymer design, 12.5mm valve slice width.
- Small, light weight and compact – can be mounted closer to actuators.
- Two valve sizes: AV03 (0.3 C_v) and AV05 (0.7 C_v) can be combined on the same valve manifold.
- Simplified design process via our online configurator.
- Factory assembled and tested valve manifolds.
- Fast switching times: AV03 (8ms), AV05 (13ms).
- Discreet multi-pin up to 36 stations and 40 outputs.
- Direct fieldbus connection (AES) allows up to 64 stations, capable of driving 512 input and output bits.

- Vast offering of I/O blocks for both digital and analog control.
- Push-in fittings for metric or inch tubing.
- Optional integrated electro-pneumatic pressure regulator with status LED.

AES (Advanced Electronic System)

- Smooth serial communication between the controller and the AV components.
- Smaller, lighter, more compact.
- Perfect communication between the actuators and the machine peripherals.
- Up to 128 valve coils.
- Maximum possible I/O modules: 10
- Protection class: maximum IP65
- I/O functionality: Analog / digital
- Connection options: M8, M12, D-Sub, spring clamp
- Wide variety of protocols supported.



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