

AV series

Pneumatic & Electro-pneumatic analog positioners

Universal analog positioners in general purpose, intrinsically safe or explosion proof versions, suitable for single acting or double acting, linear or rotary process control valves that requires a basic, robust, high performance positioner with easy setup



Key features and benefits

Fast and easy setup

Time saving setup: Large cam and follower mechanism with independent zero and span calibration provides fast and easy setup

Universal design

Single or double acting: The universal design of the AV positioner make it suitable for single or double acting on linear or rotary actuators, various mounting kits are available

CE approval

Meets international standards: Certified for use in countries that require CE approval

Fast response time

High air capacity: The pilot valve mechanism of the AV positioner is capable of providing 27scfm @ 80psi [45m³/hr @ 5.5bar] air delivery to ensure fast response time for small to large control actuators

Optimum control stability

High supply pressure for dynamic loads: The AV positioner design allows supply pressure up to 150psi [10bar] to provide stable control for high dynamic load conditions and tight shut valve requirements

High temperature options

Up to 250°F [121°C]: The AV1 pneumatic positioner provides an option for high temperature applications, the internal parts and components are suitable for these extreme process ambient conditions

Application flexibility

Field selectable control characteristics: The cam of the AV positioners provides linear, square and square root options that can be field selectable according to the application as well as direct or reverse acting selection

High performance pneumatics

Pilot valve design: The AV pneumatic system uses the industry proven pilot valve mechanism originally patented and introduced by Bailey

Robust design

All metal construction: The AV positioners is suitable for any process application with industry proven performance and long operating life

Industry standard design

Enclosure options: The AV positioner offers NEMA4X [IP65] enclosure option suitable for harsh process conditions

Simplified design

Easy maintenance: The design of the AV positioner with detailed instruction manual provides all information for easy field service and maintenance

Model options:

AV model overview:

Model	Design function	Input signal
AV1	Pneumatic	3-15psi [0.2-1bar]
AV2	Electro-pneumatic	4-20mA
AV4	Electro-pneumatic	24V Pulse input

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