

## Two Position Air Actuators

### MORE INFORMATION

HSSA..... page 198  
 High speed switching accessory  
 PFAF ..... 199  
 Position feedback

### TECH TIP

Here's what you'll get when you order:



Air actuator with a closemount assembly



Air actuator with a 4" standoff assembly



Air actuator for use with an existing standoff

The recommended method for implementing a two position air actuator is a manifold solenoid valve assembly (MSVA), a block-mounted pair of 3-way solenoids that pulses air to the actuator to switch it from position to position. If air is applied continuously, the continuous rotational force applied to the valve can cause sideloading, leaking, and additional wear.

Typical actuation pressure is 40 to 50 psig, but up to 80 psig may be used.

Ideally, only enough air pressure should be used to switch the valve in 1/3 to 1/2 second. Bottled instrument air or nitrogen is recommended. If plant air from compressors must be used, an oil separator and water dryer are required.

A high speed switching accessory (HSSA) can upgrade valve switching times to less than 30 ms with air or 8 ms with helium. A position feedback (PFAF) with contact closures in both positions is also available as an option.

### Standard air actuators

for two position valves

Temperature range 0-70°C

Standoff version includes a 4" standoff. 2", 3", and 6" standoffs are also available.

No. of ports in valve	Description	With closemount assembly	With 4" standoff assembly	For use with existing standoff
		Prod No	Prod No	Prod No
3, 4	90° rotation	A90	A904	A90S
6	60° rotation	A60	A604	A60S
8	45° rotation	A45	A454	A45S
10	36° rotation	A36	A364	A36S
12	30° rotation	A30	A304	A30S

### High temperature air actuators

for two position valves

Temperature range 50-175°C

Standoff version includes a 2" standoff. 3", 4", and 6" standoffs are also available.

No. of ports in valve	Description	With closemount assembly	With 2" standoff assembly	For use with existing standoff
		Prod No	Prod No	Prod No
3, 4	90° rotation	AT90	AT902	AT90S
6	60° rotation	AT60	AT602	AT60S
8	45° rotation	AT45	AT452	AT45S
10	36° rotation	AT36	AT362	AT36S
12	30° rotation	AT30	AT302	AT30S

### Replacement O-rings

Includes a complete set of O-rings for a two position air actuator.

Description	Prod No
Standard	OR
High temp	ORT



### Actuator compression fittings

Includes 1/8" compression to 10-32 male thread, plus 1/8" brass ferrule and hex nut.

Description	Prod No
3 piece fitting assembly	F-TCF

