# **Positioners**

Standard positioners with 4-20mA or 3-15psi control signal, & smart positioners with auto-calibration.

### **Product & Services Sales Guide** Max-Air Technology Inc. | Rotary Actuators & Valve Automation Solutions

#### Standard & **Smart Positioners**

Max-Air Technology offers a full range of positioning equipment that is used to control the position of a valve (ball, butterfly, and globe) such that a given process will achieve certain desired flow parameters. An example of this type of positioning control will include the mixing of hot and cold water, such that a specified downstream temperature requirement is achieved. Please see Max-Air 3-Way Tee Assemblies for specific examples. Other parameters which can be controlled are flow rates and pressure, as well as others. Many different types of models are offered, including pneumatic, electro-pneumatic, intrinsically safe, explosion proof, and Smart type positioners.



Signal Type

Mounting

**Available Options** 





Pneumatic

Smart

4-20mA, 3-15 psi

NAMUR VDI/VDE 3845

High/Low Temp Option

3-15psi control with aluminum

enclosure for ordinary locations.

Smart digital 4-20mA control,

or hazardous locations.

feedback options and auto calibration,

with aluminum enclosure for ordinary

Limit Switches, Position Transmitter, HART,



#### **Ordinary Locations**

Analog 4-20mA control and feedback options with aluminum enclosure for ordinary locations.



# **Explosion Proof**

Analog 4-20mA control and feedback options with aluminum enclosure for hazardous locations.

Locations	Ordinary, Hazardous, NEMA 4/4x
Materials	Aluminum
Ambient Temp. Range	-4°F to 140°F Standard (-40°F Low, 248°F High)
<b>Operation Type</b>	Fail Safe (Close/Open) Fail Freeze

## **Positioner Series Selection**

Start from the top of the chart and work down to select the correct Positioner Series.

Туре	Analog		Smart		
Environment	Pneumatic	Ordinary	Explosion Proof	Ordinary	Explosion Proof
Enclosure	Aluminum	Aluminum	Aluminum	Aluminum	Aluminum or Stainless Steel
Temperature Options	Standard	Standard & Extreme (High/Low)	Standard & Extreme (Low)	Standard & Extreme (Low)	Standard & Extreme (Low)
Feedback Options	None	Mechanical Limit Switch and / or 4-20mA	None	Mechanical or Proximity Limit Switch and / or 4-20mA	Mechanical or Proximity Limit Switch and / or 4-20mA



## **Explosion Proof**

Analog 4-20mA control and feedback options with aluminum enclosure for hazardous locations.

Class	Temperature Range	Class
Standard	-4°F (-20°C) to 140°F (60°C)	T5
	4°F (-20°C) to 104°F (40°C)	T6
Low Temp.	-40°F (-40°C) to 140°F (60°C)	T5
	-40°F (-40°C) to 104°F (40°C)	T6



#### Smart

Smart digital 4-20mA control, feedback options and auto calibration, with aluminum enclosure for ordinary or hazardous locations.

#### **Ordinary Locations**

Seals	Temperature Range
Low Temp.	-40°F (-40°C) to 185°F (85°C)
Standard	-22°F (-30°C) to 185°F (85°C)

#### **Explosion Proof**

Class	Temperature Range	Class
Standard	-22°F (-30°C) to 176°F (80°C)	T5
	-22°F (-30°C) to 158°F (70°C)	T6
Low Temp.	-40°F (-40°C) to 176°F (80°C)	T5
	-40°F (-40°C) to 158°F (70°C)	T6



## **Ordinary Locations**

Analog 4-20mA control and feedback options with aluminum enclosure for ordinary locations.

Temperature Range
-40°F (-40°C) to 158°F (70°C)
-4°F (-20°C) to 158°F (70°C)
-4°F (-20°C) to 248°F (120°C)



#### Pneumatic

3-15psi control with aluminum enclosure for ordinary locations.

Seals	Temperature Range
Standard	-4°F (-20°C) to 158°F (70°C)



