

## More Products, More Solutions

Three different sizes provide excellent versatility.

Siemens Building Technologies has the depth and breadth of product line you need with the quality and reliability that you have come to depend on. We now offer more models with universal or plenum-rated cabling and optional control features to provide more solutions. For easy installation, all OpenAir products have standardized footprints and identical wiring configurations, installations, and start-up procedures. The benefits are simple—faster installations and overall lower installed cost.



### GDE 44 lb-in Non-Spring Return GLB 88 lb-in Non-Spring Return

- Terminal units—single duct, dual duct
- Face & Bypass—fan coil, unit vent
- Multi-zone mixing boxes
- Bypass damper
- Makeup air dampers

**NEW**



### GMA 62 lb-in Spring Return GEB 132 lb-in Non-Spring Return

- Outside air dampers—unit ventilator, supply dampers, exhaust dampers, discharge dampers
- Mixing boxes
- Small rooftop units (RTU)
- Return air dampers
- Zone isolation dampers
- Makeup air dampers



### GCA 142 lb-in Spring Return GBB 177 lb-in Non-Spring Return GIB 310 lb-in Non-Spring Return

- Outside air dampers—supply dampers, exhaust dampers, discharge dampers
- Rooftop units (RTU)
- Mixing boxes
- Vortex dampers
- Inlet vane dampers
- Return air dampers
- Zone isolation dampers

## More Experience

150 years of experience in the Heating, Ventilation, and Air Conditioning (HVAC) industry is the cornerstone of our success.

But it doesn't stop there. A recognized leader in the industry, Siemens Building Technologies continues to deliver the products and services that you depend on for outstanding quality, reliability and performance.

### Products That Perform

Siemens Building Technologies damper actuators are designed for quick installation and lower installed cost with proven reliability and less maintenance over time.

### Leading Edge Technology

Our applications expertise keeps us on the cutting edge of the technology wave. Finding new ways to tackle your toughest control issues is the track record of our success. We have over 150 years of control experience and the patents to prove it.

### Quality with Meaning

Many companies talk the quality, but Siemens delivers quality. ISO9002 certified with a state-of-the-art manufacturing facility on-site, we factory test all our products.

### Excellent Service from Beginning to the End

Locate information faster than ever before at [www.sbt.siemens.com](http://www.sbt.siemens.com). Installation manuals, technical instructions, and submittal sheets for our actuators are available with the click of a mouse. Technical assistance is just a phone call away. Our technical experts are available to assist you 24 hours, 7 days a week. When you are ready to order, give our friendly customer service representatives a call. At Siemens, we take pride in offering quality service from beginning to the end.

## Now That's Smart Business!

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# SIEMENS

OpenAir Electronic Direct-Coupled Actuators  
**Experience the Difference.**



ISO 9002



# Introducing the Newly Expanded OpenAir Actuator Line

The complete range for all your HVAC applications.

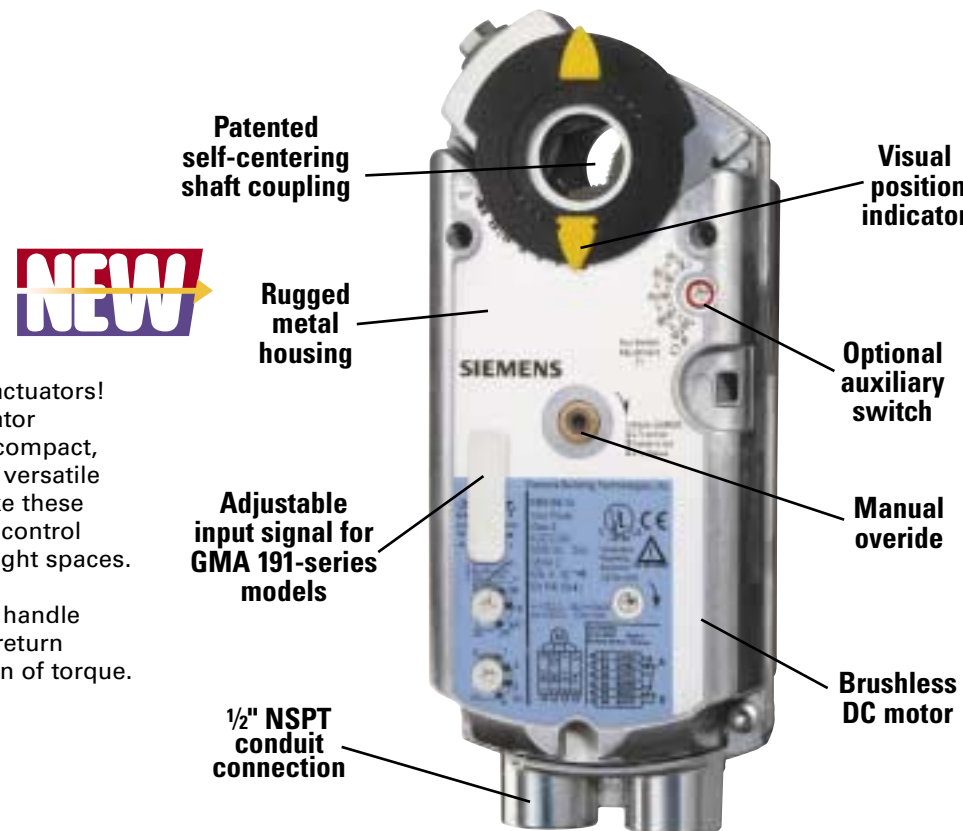
- Self-centering shaft coupling minimizes installation time and extends life of actuator and damper.
- Advanced brushless DC motor technology achieves reliable and accurate control of speed, torque, braking, and stall protection functions.
- Rugged, lightweight metal housing provides outstanding durability.
- Manual override permits unpowered positioning to simplify installation and troubleshooting.
- Highly visible position indicator facilitates setup, checkout, and troubleshooting.
- Bi-directional spring return function for reliable failsafe operation.
- Stall protection (overload) for longer service life.
- Quiet, low power operation.
- Optional built-in auxiliary switches and start/span capabilities for quick installation.
- Built-in conduit connections.

[www.sbt.siemens.com](http://www.sbt.siemens.com)

## New OpenAir GMA/GEB-Series Actuators

Introducing two new lines of OpenAir™ actuators! These actuators are ideal for Unit Ventilator equipment or other applications where compact, yet powerful actuators are required. The versatile control features and small footprint make these actuators adaptable to a wide variety of control applications and are easily installed in tight spaces.

The spring return GMA-series actuators handle up to 62 lb-in of torque. The non-spring return GEB-series models handle up to 132 lb-in of torque.



	Control signal	Power supply	Standard model	Feedback potentiometer (1kΩ)	Adjustable start/span	Adjustable start/span with 2 auxiliary switches	Feedback (1kΩ) with 2 auxiliary switches	2 auxiliary switches	Adjustable input signal	Electronic tandem control	Rotary to linear kit	Rotary to linear kit w/mounting bracket	Floor mount kit	Frame mount kit	Oversized shaft adapter (to 1.05")	1/2" NPT conduit adapter bracket	Tandem bracket 2pt/3pt and Electronic tandem	Tandem bracket modulating control	Weather shield		
<b>SPRING RETURN FEATURE</b>	<b>GMA Series</b> 62 lb-in for approx. 16 ft²* damper area																				
	On/Off	2-position	24 VAC/VDC	GMA121.1U GMA121.1P																	
	On/Off	2-position	120 VAC	GMA221.1U																	
	Floating	3-position	24 VAC/VDC	GMA131.1U	GMA132.1U																
	Modulating	0-10 VDC	24 VAC/VDC	GMA161.1U GMA161.1P		GMA163.1U GMA164.1U		GMA166.1U	GMA191.1U† GMA194.1U†	GMA191.1U GMA194.1U											
<b>SPRING RETURN FEATURE</b>	<b>GCA Series</b> 142 lb-in for approx. 36 ft²* damper area																				
	On/Off	2-position	24 VAC	GCA121.1U GCA121.1P																	
	On/Off	2-position	120 VAC	GCA221.1U																	
	Floating	3-position	24 VAC	GCA131.1U GCA131.1P			GCA135.1U GCA135.1P														
	Modulating	0-10 VDC	24 VAC	GCA161.1U GCA161.1P		GCA163.1U GCA163.1P	GCA164.1U GCA164.1P	GCA166.1U GCA166.1P		GCA161.1P/MAS GCA164.1P/MAS GCA161.1P/SLA											
	Modulating	4-20 mA	24 VAC	GCA151.1U GCA151.1P				GCA156.1U GCA156.1P													
<b>NON-SPRING RETURN FEATURE</b>	<b>GDE Series</b> 44 lb-in for approx. 11 ft²* damper area																				
	Floating	3-position	24 VAC	GDE131.1U† GDE131.1P†	GDE132.1P					GDE136.1P											
	Modulating	0-10 VDC	24 VAC	GDE161.1P		GDE163.1P GDE164.1P				GDE166.1P											
<b>NON-SPRING RETURN FEATURE</b>	<b>GLB Series</b> 88 lb-in for approx. 22 ft²* damper area																				
	Floating	3-position	24 VAC	GLB131.1P	GLB132.1P					GLB136.1P											
	Modulating	0-10 VDC	24 VAC	GLB161.1P		GLB163.1P GLB164.1P				GLB166.1P											
<b>NON-SPRING RETURN FEATURE</b>	<b>GEB Series</b> 132 lb-in for approx. 32 ft²* damper area																				
	Floating	3-position	24 VAC	GEB131.1U	GEB132.1U					GEB136.1U											
	Modulating	0-10 VDC	24 VAC	GEB161.1U		GEB164.1U				GEB161.1U† GEB164.1U†											
<b>NON-SPRING RETURN FEATURE</b>	<b>GBB Series</b> 177 lb-in for approx. 44 ft²* damper area																				
	On/Off/Floating	2/3-position	24 VAC	GBB171.1U GBB171.1P						GBB175.1U GBB175.1P											
	Modulating	0-10 VDC	24 VAC	GBB161.1U GBB161.1P		GBB163.1U GBB163.1P	GBB164.1U GBB164.1P	GBB166.1U GBB166.1P		GBB166.1U GBB166.1P											
		4-20 mA	24 VAC	GBB151.1U GBB151.1P						GBB156.1U GBB156.1P											
<b>NON-SPRING RETURN FEATURE</b>	<b>GIB Series</b> 310 lb-in for approx. 77 ft²* damper area																				
	On/Off/Floating	2/3-position	24 VAC	GIB171.1U GIB171.1P						GIB175.1U GIB175.1P											
	Modulating	0-10 VDC	24 VAC	GIB161.1U GIB161.1P		GIB163.1U GIB163.1P	GIB164.1U GIB164.1P	GIB166.1U GIB166.1P		GIB161.1P/MAS GIB164.1P/MAS GIB161.1P/SLA											
		4-20 mA	24 VAC	GIB151.1U GIB151.1P						GIB156.1U GIB156.1P											

P = Plenum cable U = Standard cable \*Based on 4 lb-in/ft² †See technical instructions for additional control features ‡Available in bulk pack 24pcs \*\*For auxiliary switch models ††Available in bulk pack 20 pcs