

# Retrofit actuators for air solutions. Simple steps to save valuable time.



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## Maximum flexibility for on-site replacements.

RETROFIT

Older or defective damper actuators can now be replaced quickly and easily with just a few types from the Belimo retrofit range – regardless of whether the originals were manufactured by Belimo or another supplier. The new devices can be installed in a few simple steps and adapted precisely to each particular application on site. The existing cables can be clamped to a terminal (IP54) in an instant. You save valuable time and are assured optimal system functionality.

### Small range – maximum convenience

Evaluating, sourcing and installing suitable replacement actuators can be a very time-consuming business. Belimo's range of retrofit actuators makes light work of this tedious task: with only a small number of types, you can replace a wide range of devices from different manufacturers and cover a broad spectrum of heating, ventilation and air conditioning systems. The new actuators can be adjusted directly on site, which means downtime as a result of replacements is reduced to a minimum. Economical, almost wear-free motors, standardised accessories and a consistent installation and operating philosophy guarantee simple handling and cost-efficient durability.

### Installed and programmed in a flash

Retrofit types for rotary actuators are available in three rating classes: 5, 10, 20 or 40 Nm. The running time can be set between 35 and 346 s, depending on your individual requirements and the device type. The torque can be programmed in four steps (25, 50, 75 or 100%) and the voltage is likewise selectable from 2...10 V to 0...10 V. Models for phase cut, current and resistance control can be supplied on request. The linear actuators (150 N) with a gear rod length from 60 to 300 mm are ideal replacements for electric push-pull or pneumatic actuators, for example. For more information about the range, see overleaf or: [www.belimo.ch/retrofit](http://www.belimo.ch/retrofit)

**BELIMO**<sup>®</sup>

# Retrofit actuators for air solutions. A few types for many applications.

Rotary actuators											
	Function						Version				
	Torque N·m	Running time range s (delivery condition)	Control				Position response	Nominal voltage 24 V	Terminal IP54	Cable 1 m PVC	Clamp
			DC voltage	mA	Phase cut	Ω	DC voltage				
LM24A-MF-TP	5	35..150 (150)	•				•	•	•		•
NM24A-MF-TP	10	43..173 (150)	•				•	•	•		•
SM24A-MF-TP	20	86..346 (150)	•				•	•	•		•
SM24A-MA	20	86..346 (150)		•			•	•		•	•
SM24A-PC	20	86..346 (150)			•		•	•		•	•
SM24A-R9	20	86..346 (150)				•	•	•		•	•
GM24A-MF-TP	40	75..290 (150)	•				•	•	•		•

Settable parameters include: Torque, running time, control/DC voltage, feedback/DC voltage.

Linear actuators							
	Function				Version		
	Actuating force N	Running time range s (delivery condition)	Gear rod length (mm)	Control	Position response	Nominal voltage 24 V	Terminal IP54
				DC voltage	DC voltage		
LH24A-MF60-TP	150	42..162 (90) / 60 mm	60	•	•	•	•
LH24A-MF100-TP	150	70..270 (150) / 100 mm	100	•	•	•	•
LH24A-MF200-TP	150	70..270 (150) / 100 mm	200	•	•	•	•
LH24A-MF300-TP	150	70..270 (150) / 100 mm	300	•	•	•	•

Settable parameters include: Actuation force, running time, control/DC voltage, feedback/DC voltage. Other types are available on request.

Belimo worldwide: [www.belimo.com](http://www.belimo.com)



5-year warranty



On site around the globe



Complete product range



Tested quality



Short delivery times



Comprehensive support

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