

resideo

Small in size. Big in options.

Our new range of small linear actuators.



Easy installation and system servicing

Whether you're commissioning new systems or replacing ageing components, our actuators are designed to make your job simpler – without compromising on performance.

Our new range of small linear actuators offer compact, energy-efficient control for hydronic valves in commercial heating and cooling systems. Designed for fast installation, simple servicing and flexible control, these actuators are ideal for fan coil units, AHUs, HIUs and other zonal applications. Available in modulating (MSLM) or 3-point (MSHF/MSLF) variants, they're compatible with both PICVs and linear valves.

With 24V AC/DC now available, LED indicators, and IP54 protection, these actuators deliver reliability in a compact, user-friendly package. They support a wide range of valve types and control signals, helping you meet diverse site needs with a single solution.

Key uses:

- Simple replacement for older actuators
- Control hydronic valves in commercial HVAC systems

Key features:

- Minimise downtime during upgrades or commissioning
- Support efficient operation of modern building systems

Applications

- Fan coil units (FCUs)
- Air handling units (AHUs)
- Heat interface units (HIUs)
- Induction units
- Small reheaters and recoolers
- Zone control hydronic applications



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Features and benefits



Rotary control signal selector

Simple signal range set-up – no need to remove the cover.



Flexible control options

Available in modulating (0–10V) or 3-point versions – also supports 2-point control.



Feedback signal wire

Enables position feedback.



IP54 protection

Sealed for reliable operation.



Low noise operation

Quiet performance helps maintain comfort in occupied spaces.



LED indication

Visual confirmation of operating status for quicker checks and servicing.



3 point version – Switch off in end position

Can help reduce energy usage and mechanical wear over time.



5-year warranty*

Peace of mind for years to come.



PLUS X AWARD


Winner of the PLUS X Award

In the categories: High Quality, Ease of Use, Functionality, and Ergonomics.

*Subject to the Resideo 5-Year warranty terms and conditions

Valves with matching actuators

Linear actuators

Actuators						
Electrical data						
Power supply	Input signal					
24 V	DC 0–10 V	modulating	MSLM...		MSLM...	
		3-point	MSLF...		MSLF...	
230 V AC		3-point		MSHF...		MSHF...
Stroke (mm)			6.5	6.5	6.5	6.5
Adjusting force (N)			180	180	300	300

Linear valves



Valves	Type	PN	Fitting type	Kvs	Nominal sizes (DN)			
VDE	2-way	16	External thread	0.16 to 8	15 / 25	15 / 25		
VXE	3-way	16	External thread	0.25 to 4.8	15 / 25	15 / 25		
VYE	3-way + bypass	16	External thread	0.4 to 8	15 / 25	15 / 25		
VDE...M	2-way	16	External thread	4 to 25			25 to 40	25 to 40
VXE...M	3-way	16	External thread	4 to 25			25 to 32	25 to 32
VDE...C	2-way	25	External thread	0.25 to 10			25 to 32	25 to 32
V5007	PICV	25	Internal + external thread	1.03 to 30.98	15 / 40	15 / 40	50	50

Specifications

Control signal	Modulating / 3-point / On-off
Voltage	3-point model: 230V AC, 24V AC/DC; Modulating model: 24V AC/DC
Protection rating	IP54
Temperature	Operating temperature –5 to +60°C Medium valve temperature max. 120°C
Stem force	180 N, 300 N
Travel time	150 s
Actuator connection	M30 x 1.5 mm
Suitable valves	Resideo PICV 5007: DN 15–DN 50 Resideo linear valves VDE / VXE / VYE: DN 15–DN 25 Resideo pressure balanced linear valves VDE...C: DN 15–DN 32 Resideo pressure balanced linear valves VDE...M: DN25-DN40, VXE...M: DN25-DN32

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For more information
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