

Linear Actuators for Terminal Unit Valves

VA-7010

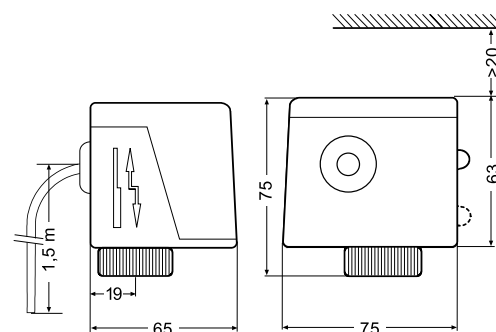
ON/OFF Control

The VA-7010 electric ON/OFF actuator provides a two-position (open-closed) control and can easily be mounted with a threaded mounting nut onto VG4000 and VG5000 terminal unit valves.

A lever at the side of the actuator housing can be used to manually open a 2-way PDTO valve, or the normally closed port of a 3-way valve.

Features

- 24 VAC and 230 VAC models
- ON/OFF Control
- Manual lever
- Threaded mounting nut M28 x 1.5
- Factory mounted cable 1.5 m



Dimensions in mm

Ordering Codes	Supply Voltage (50/60 Hz)	Action Control	Minimum Force	Stroke	Full Stroke Time	Protection Class	Power Consumption
VA-7010-8101	24 VAC	ON/OFF	90 N	3 mm (max. 5 mm)	10 s (Actuator stem extends) 5 s (Actuator stem retracts)	IP 40	7 VA
VA-7010-8103	230 VAC						

Linear Actuators for Terminal Unit Valves

VA-7030

ON/OFF Control

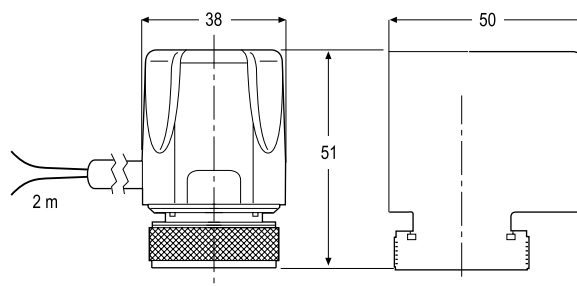
The VA-703x electrothermic actuator provides a two position (open / closed) control in HVAC applications.

The compact design of this actuator makes it suitable for installation in confined spaces, such as fan coil applications.

The VA-703x series actuator is designed for field mounting onto VG6000 series terminal unit valves.

Features

- 24 VAC/VDC and 230 VAC models
- ON/OFF or DAT Control
- Models for Direct Action and Models for Reverse Action
- Threaded mounting nut M30 x 1.5
- Factory mounted cable 2 m
- Auxiliary switch (max 700 mA – 250 V~)



Dimensions in mm

Ordering Codes	Supply Voltage (50/60Hz)	Action Control	Auxiliary Switch	Force	Stroke	Full Stroke Time*	Protection Class	Power Consumption	
								Continuous	Start-up
VA-7030-21NO	24 VAC / VDC	ON/OFF Stem extends when energized	---	80 N	3.5 mm	5 min	IP 44	2.5 W	6 W
VA-7035-21NO			●	100 N					
VA-7030-21NC		ON/OFF Stem retracts when energized	---			100 N		3 min	2.5 W
VA-7035-21NC			●						
VA-7030-23NO	230 VAC	ON/OFF Stem extends when energized	---	80 N	3.5 mm	3 min	IP 44	2.5 W	95 W
VA-7035-23NO			●	100 N					
VA-7030-23NC		ON/OFF Stem retracts when energized	---			100 N		3 min	2.5 W
VA-7035-23NC			●						

Note

* at ambient temperature 20 °C

Linear Actuators for Terminal Unit Valves

VA-707x

ON/OFF Control

The VA-707x series terminal unit valve actuators provide ON/OFF and DAT control in HVAC application.

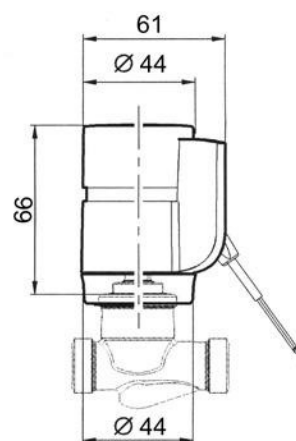
The compact design of these actuators make them suitable for installations in confined spaces, such as fan-coil applications.

The VA-707x actuators are designed for field mounting onto all Johnson Controls terminal unit valves: VG6000, V5000, VG4000 and VG5000 (see pertinent bulletins).

Moreover, thanks to an innovative fixing system, the VA-707x is suitable for almost all the terminal unit valves in the market.

Features

- 24 VAC/DC and 230 VAC models
- ON/OFF or DAT Controls
- NC version (stem retracts when energized)
- NO version (stem extends when energized)
- Easy mounting solution (easy to install, no expert required)
- Factory mounted cable 2 m



Dimensions in mm

Ordering Codes	Supply Voltage	Action Control	Force	Stroke	Factory Setting	Mounting Thread	Protection Class	Packaging	Power Consumption	
									Continuous	Start-up
VA-7071-21	24 VAC/VDC	ON/OFF or DAT	125 N	4.5 mm	Normally Closed (stem retracts when energized) 2 m cable lenght	M28x1.5	IP 54	Single packaged in carton box	3 W	6 W (230 mA) max
VA-7078-21						M30x1.5				
VA-7071-23	230 VAC					M28x1.5				
VA-7078-23						M30x1.5				
VA-7071-01D	24 VAC/VDC				Normally Closed (stem retracts when energized) Cable not included. Must be ordered separately	M28x1.5		Bulk pack 50 pcs	2.5 W	36 W (150 mA) max
VA-7078-01D						M30x1.5				
VA-7071-03D	230 VAC					M28x1.5				
VA-7078-03D						M30x1.5				
VA-7070-21	24 VAC/VDC				Normally Open (stem extends when energized) 2 m cable lenght	M28x1.5		Single packaged in carton box	3 W	6 W (230 mA) max
VA-7077-21						M30x1.5				
VA-7070-23	230 VAC					M28x1.5				
VA-7077-23						M30x1.5				
VA-7070-01D	24 VAC/VDC				Normally Open (stem extends when energized) Cable not included. Must be ordered separately	M28x1.5		Bulk pack 50 pcs	2.5 W	36 W (150 mA) max
VA-7077-01D						M30x1.5				
VA-7070-03D	230 VAC					M28x1.5				
VA-7077-03D						M30x1.5				

HVAC CONTROL PRODUCTS

Actuators

6

VA-707x ON/OFF Control

Accessories (order separately)

Ordering Codes	Description	Single Packaged
0550602801	Cable kit 0.8 m	Carton Box
0550602011	Cable kit 1 m	
0550602021	Cable kit 2 m	
0550602032	Cable kit 3 m	Plastic Bag
0550602042	Cable kit 4 m	
0550602052	Cable kit 5 m	
0550602062	Cable kit 6 m	
0550602072	Cable kit 7 m	
0550602102	Cable kit 10 m	
0550602152	Cable kit 15 m	
0550602023	Cable kit 2 m – Halogen free	
0550602053	Cable kit 5 m – Halogen free	
0550602103	Cable kit 10 m – Halogen free	
0550390001	Threaded nut M30x1.5 with normal and short pin	
0550390101	Threaded nut M28x1.5 with normal and short pin	
0550390201	Threaded nut M30x1 with normal and short pin	
0550484101	Kit auxiliary switch (Normally Closed) 1 m cable	Carton Box
0550484121	Kit auxiliary switch (Normally Closed) 2 m cable	Plastic Bag
0550484201	Kit auxiliary switch (Normally Opened) 1 m cable	Carton Box
0550484221	Kit auxiliary switch (Normally Opened) 2 m cable	Plastic Bag

Linear Actuators for Terminal Unit Valves

VA-7060

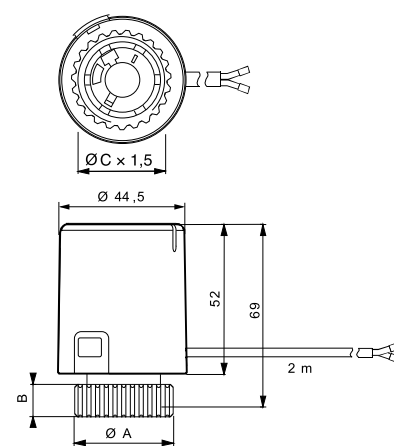
Proportional Control

The VA-706x actuators provide Proportional control in HVAC applications. The compact design of these actuators make them suitable for installations in confined spaces, such as fan-coil applications.

The VA-706x actuators are designed for field mounting onto VG4000, VG5000 and V5000 terminal unit valves.

Features

- 24 VAC/DC
- Proportional Control
- Configurable to Direct and Reverse Action
- Threaded mounting nut (M28 x 1.5 for VG5000 or M30 x 1.5 for V5000)
- Factory mounted cable 2 m



Dimensions in mm

Models	A Ø	B	C Ø
VA-7060-21	32	10	M28 x 1,5
VA-7067-21	34	11	M30 x 1,5

Ordering Codes	Supply Voltage (50/60Hz)	Action Control	Force	Stroke	Factory Setting	Protection Class	Power Consumption	
							Continuous	Start-up
VA-7060-21	24 VAC or 24 VDC	Proportional	125 N	4.5 mm	Direct Acting stem extend when energized	IP 44	3 W	6 W (230 mA) max
VA-7067-21								

Linear Actuators

for Terminal Unit Valves

VA-7450

Floating and Proportional Controls

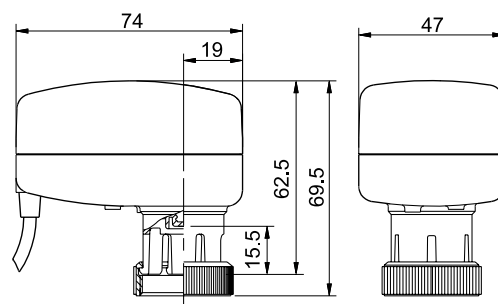
The VA-7450 Series provides floating or proportional control.

Their compact design makes them suitable for installation in confined spaces, such as fan coil applications.

They are designed for field mounting onto VG4000 and VG5000 Terminal Unit Valves.

Features

- 24 VAC supply voltage
- Floating and proportional control
- Threaded mounting nut (M28 x 1.5 for VG4000 and VG5000)
- Factory mounted cable 1.5 m
- Self calibrating
- Configurable to direct and reverse action
- Configurable antisticking cycle
- Configurable split ranging



Dimensions in mm

Ordering Codes	Supply Voltage (50/60Hz)	Action Control	Nominal Force	Stroke	Full Stroke Time	Protection Class	Power Consumption
VA-7450-1001	24 VAC	Floating	120 N	3 mm (max 5 mm)	45 sec	IP 40	2.7 VA
VA-7452-1001		Proportional *					
VA-7452-9001		Proportional **					

Notes

Models with longer cable or different mounting nut, are available on request

* Fixed factory setting: 0-10 VDC input direct acting antisticking disabled

** Fully configurable: input signal (0-10 V, 5-10 V, 0-5 V) action (direct or reverse acting) antisticking (disable or enable)

Linear Actuators for Terminal Unit Valves

VA-747x

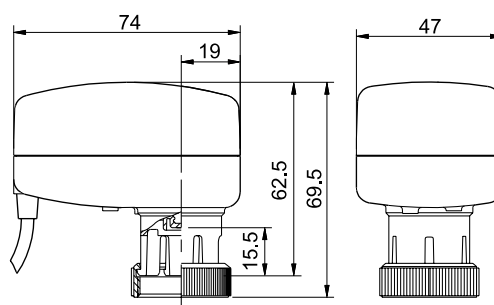
Floating and Proportional Controls

The VA-747x Series provides incremental or proportional control in terminal unit valve applications. Their compact design makes them suitable for installation in confined spaces, such as fan coil applications.

They are designed for field mounting onto VG6000 and V5000 terminal unit valves.

Features

- 24 VAC supply voltage
- Floating and proportional control
- Threaded mounting nut M30 x 1.5 for VG6000 and V5000
- Factory mounted cable 1.5 m
- Self calibrating
- Configurable to direct and reverse action
- Configurable antisticking cycle
- Configurable split ranging



Dimensions in mm

Ordering Codes	Supply Voltage (50/60Hz)	Action Control	Nominal Force	Stroke	Full Stroke Time	Protection Class	Power Consumption
VA-7470-1001	24 VAC	Floating	120 N	3 mm (max 5 mm)	45 sec	IP 40	2.7 VA
VA-7472-1001		Proportional *					
VA-7472-9001		Proportional **					

Notes

Models with longer cable or different mounting nut, are available on request

* Fixed factory setting: 0-10 VDC input direct acting antisticking disabled

** Fully configurable: input signal (0-10 V, 5-10 V, 0-5 V) action (direct or reverse acting) antisticking (disable or enable)

Linear Actuators for Plant Valves

FA-2000

Floating and Proportional Control

The FA-2000 series electric actuators are available for 3-point control or with electronic positioner for 0...10 V or 0...20 mA control. It provides a fully variable valve aperture, a power failure spring return safety mechanism and an electrically operated manual override.

Three models of the FA-2000 are available.

The FA-22 ("failsafe" position down = stem fully extended) and FA-25 ("failsafe" position up = stem fully retracted):

this model pair has a 25 mm stroke and a minimum of 2400 N thrust.

The FA-23 ("failsafe" position down) and FA-26 ("failsafe" position up):

this model pair has a 42 mm stroke and a minimum thrust of 2200 N.

The FA-24 ("failsafe" position down) and FA-27 ("failsafe" position up):

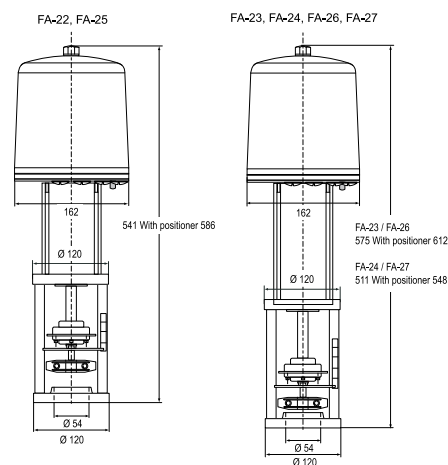
this model pair has a stroke of 13 mm and 2000 N minimum thrust.

The actuator can be combined with VG8000 (H, N, V) series in accordance with the maximum close-off pressure ratings specified.

The FA-2000, when delivered as a single unit, is pre-set to facilitate installation with minimum adjustment; it is also available with a variety of options such as auxiliary switches and feedback potentiometers

Features

- Power failure mechanism (Spring Return)
- Visible calibration ring on stem coupling
- Positioner with adjustable starting point, span and direct/reverse action
- Electrically operated manual override
- Quick-fit coupling clamp



Dimensions in mm

Ordering Codes *	Supply Voltage (50 Hz)	Action Control	Spring Return Function	Nominal Thrust	Nominal Stroke	Protection Class	Power Consumption	Emergency Shut of speed	
FA-22xx-7511	230 VAC	Floating and Proportional	Stem fully extended	2.4 kN	25 mm	IP 54	5 VA	≤ 89	
FA-22xx-7516	24 VAC		Stem fully retracted				6.1 VA	≤ 81	
FA-25xx-7511	230 VAC						Stem fully extended		5 VA
FA-25xx-7516	24 VAC								6.1 VA
FA-23xx-7411	230 VAC			Stem fully retracted	5 VA				≤ 201
FA-23xx-7416	24 VAC		Stem fully extended		6.1 VA				
FA-26xx-7411	230 VAC				Stem fully retracted		5 VA		
FA-26xx-7416	24 VAC						6.1 VA		
FA-24xx-7111	230 VAC			Stem fully extended			5 VA	≤ 51	
FA-24xx-7116	24 VAC		Stem fully retracted				6.1 VA		
FA-27xx-7111	230 VAC				2 kN		13 mm		5 VA
FA-27xx-7116	24 VAC								6.1 VA

Note

- * xx =
- | | |
|---|---|
| 00 None | 04 135 Ω feedback potentiometer |
| 01 2 Auxiliary switches | 40 Built-in electronic positioner 0...10 V / 0(4)...20 mA (not for 230 V models) |
| 02 2 KΩ feedback potentiometer | 41 Built-in electronic positioner 0...10 V / 0(4)...20 mA (not for 230 V models) and 2 auxiliary switches |
| 03 2 KΩ feedback potentiometer and 2 auxiliary switches | |

Linear Actuators for Plant Valves

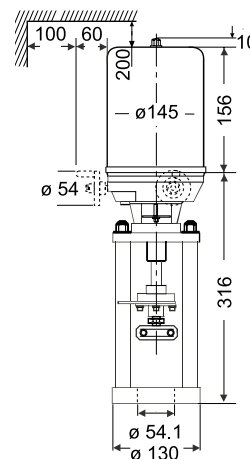
FA-3000

Floating and Proportional Control

The FA-3300 heavy duty series provides floating or proportional control and can be mounted with VG8000 flanged valves.

Features

- 24 VAC and 230 VAC power supply
- Floating and Proportional control
- Manual override
- Special clamp coupler
- Uses synchronous motor with calibrated pressure limit switches



Dimensions in mm

Ordering Codes	Supply Voltage (50/60Hz)	Action Control	Force	Stroke	Full Stroke Time	Protection Class	Power Consumption	Accessories Factory mounted								
FA-3300-7416	24 VAC	Floating	6000 N	42 mm (max 45)	150 s	IP 65	37 VA	none								
FA-3303-7416								2 aux switches and 2 K Ω pot								
FA-3304-7416		Proportional					42 VA	135 Ω pot								
FA-3341-7416								2 aux switches								
FA-3300-7411	230 VAC	Floating					6000 N	42 mm (max 45)	150 s	IP 65	37 VA	none				
FA-3303-7411												2 aux switches and 2 K Ω pot				
FA-3304-7411		Proportional									42 VA	135 Ω pot				
FA-3341-7411												2 aux switches				

Linear Actuators for Plant Valves

MP8000

Pneumatic Valve Actuators

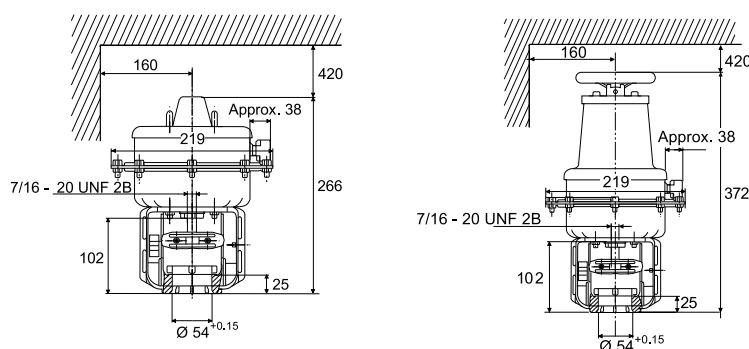
The MP8000 series pneumatic valve-actuators are designed to accurately position valve plugs in larger chilled water, hot water and steam applications in response to a pneumatic signal from a controller. A pneumatic positioner is also available for use in applications where sequential operation is desired or more positioning power and accuracy are required. They can be ordered as a factory fitted and ready-to-install valve/actuator combination or separately for local installation.

This robust actuator can be combined with VG8000 series flanged valves in accordance with the maximum close-off pressure ratings specified.



Features

- Pneumatic positioner
- Quick-fit coupler system
- Action reversible in-situ
- Optional hand wheel for factory or in-situ installation
- Optional auxiliary switches and feedback potentiometer available



Dimensions in mm

Ordering Codes	Positioner and hand wheel
MP822C50-20	None
MP822C60-20	DA positioner
MP822C70-20	DA positioner and hand wheel
MP822C80-20	Hand wheel
MP832C50-20	None
MP832C60-20	DA positioner
MP832C70-20	DA positioner and hand wheel
MP832C80-20	Hand wheel

Linear Actuators for Plant Valves

PA-2000

Pneumatic Valve Actuators

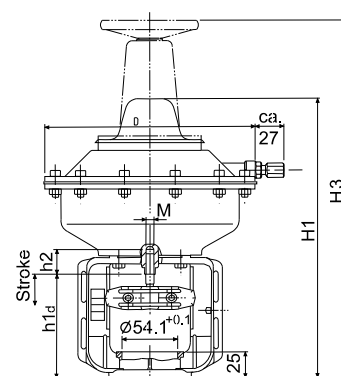
The PA-2000 Pneumatic Valve Actuators Series is available for ON/OFF Control.

The actuator can be combined with VG8000 and VG8300 series in accordance with the maximum close-off pressure ratings specified.

The fail safe position of the PA-2000 can be changed in-situ with a conversion kit.

Features

- Manual override
- Reversible action in-situ
- Accessories available



Dimensions in mm

Ordering Codes*	Handwheel	Spring Range	Diaphragm Area	Stroke
PA-20x0-32y2	---	20 - 50 kPa	150 cm ²	13 mm
PA-21x0-32y7	•	70 - 100 kPa		
PA-20x0-33y2	---	20 - 50 kPa	300 cm ²	25 mm
PA-21x0-33y7	•	70 - 100 kPa		
PA-20x0-36y2	---	20 - 50 kPa	600 cm ²	42 mm
PA-21x0-36y7	•	70 - 100 kPa		25 mm
PA-20x0-37y2	---	20 - 50 kPa		
PA-21x0-37y7	•	70 - 100 kPa		

Notes

- * = **x:** 0 = Without Positioner
3 = With Positioner (PR10)
- y:** 1 = DA Actuator stem extends
2 = RA Actuator stem retracts

Linear Actuators for Plant Valves

RA-3000

Floating and Proportional Control

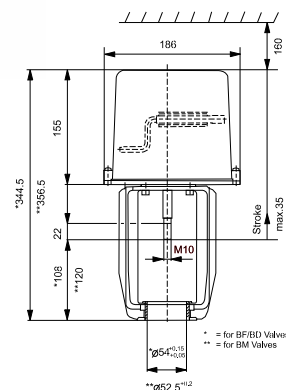
The RA-3000 series synchronous motor-driven reversible actuators are available for 3-point (floating) or with electric positioner for 0...10 V control.

They feature factory calibrated pressure switches to provide specified close-off ratings. These actuators are available in three sizes with 1600 N, 1800 N and with 3000 N nominal force and can be used with JC flanged valves according to maximum close-off pressure ratings specified.

Factory fitted options, such as 2kOhm feedback potentiometer, auxiliary switches and hand crank are available.

Features

- Uses synchronous motor with pressure switches
- Special clamp coupler quick-fit systems
- Models for 3-point and proportional 0...10 VDC control
- Positioner with adjustable starting point, span, and direct/reverse action
- Active 0...10 VDC position feedback on proportional models
- Optional auxiliary switches and feedback potentiometer available
- Optional hand crank



Dimensions in mm

	RA-3xxx-712x	RA-3xxx-722x	RA-3xxx-732x
H1	58 mm	66 mm	66 mm

Ordering Codes*	Hand Crank**	Actuator Force	Supply Voltage	Nominal Stroke	Protection Class
RA-30xx-7126	---	1600 N	24 V, 50/60 Hz	13 mm	IP 54
RA-31xx-7126	●		230 V, 50/60 Hz		
RA-30xx-7127	---				
RA-31xx-7127	●				
RA-30xx-7226	---	1800 N	24 V, 50/60 Hz	25 mm	
RA-31xx-7226	●		230 V, 50/60 Hz		
RA-30xx-7227	---				
RA-31xx-7227	●				
RA-30xx-7325	---	3000 N	24 V, 60 Hz	42 mm	
RA-31xx-7325	●				
RA-30xx-7326	---		24 V, 50 Hz		
RA-31xx-7326	●		230 V, 50 Hz		
RA-30xx-7327	---		230 V, 60 Hz		
RA-31xx-7327	●				
RA-30xx-7328	---				
RA-31xx-7328	●				

Notes

- * : xx = 100 None
 03 2 auxiliary switches and 2 KΩ feedback potentiometer
 41 Built-in positioner 0...10 VDC and 2 auxiliary switches (only 24 VAC models)

Linear Actuators for Plant Valves

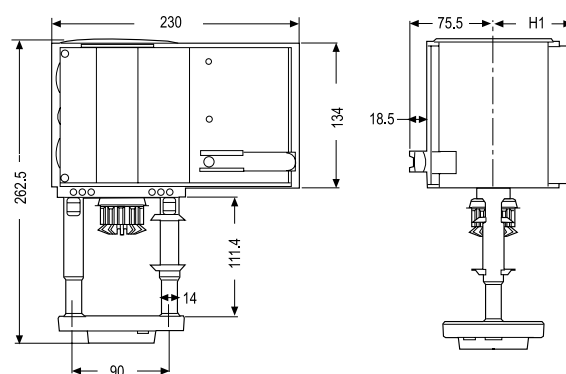
VA1000

Floating and Proportional Controls

The VA1000 valve-actuators are used to control valves in HVAC systems. They are of modular construction so that the required type of control signal is achieved simply by fitting a module with the required function in-situ. It can be mounted onto VG8000, VG8300 and VG9000 series valves.

Features

- 24 VAC and 230 VAC power supply
- Floating and Proportional control
- Manual override
- Automatic stem coupling
- Actuator fixed to valve with one ring nut
- Self adjusting, automatic stroke adjustment, calibrated pressure control at the end positions
- 2 aux. switches, feedback potentiometer and split range unit available
- IP66
- Selectable characteristic curve
- Selectable running time



Dimensions in mm

	VA1125-GGA-1	VA1220-GGA-1 & VA1420-GGA-1
H1	60 mm	73 mm

Ordering Codes	24V Actuators	Power Consumption	Protection Class	Nominal Stroke
VA1125-GGA-1	2500N; Non-spring return	20.5 VA	IP 66	49 mm
VA1220-GGA-1	2000N; Spring return retracts	17 VA		
VA1420-GGA-1	2000N; Spring return extends	17 VA		

Accessories modules for in-situ installation

VA1000-M230N	AC 230V module
VA1000-M100N	AC 100V module
VA1000-P2	2 K Ω feedback potentiometer
VA1000-S2	2 SPDT aux. switches
VA1000-SRU	Split range unit module for proportional actuators only
VA1000-EP	Extension kit for applications with temperatures greater than 140°C up to 200°C
111 6348 011	Cable adaptor M20x1.5
111 6349 011	Cable adaptor M16x1.5

Linear Actuators

for Plant Valves

VA-7150

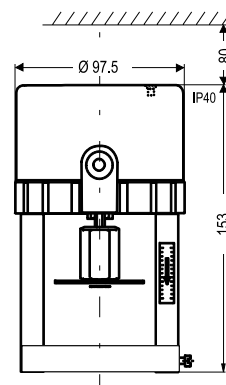
Floating and Proportional Controls

The VA-7150 series synchronous motor driven actuator provides floating or proportional control of valves with up to 19 mm stroke in heating, ventilation and air conditioning applications.

This compact, non-spring return actuator has 500 N nominal thrust and responds to a variety of input signals. The VA-7150 series can be easily installed on site or ordered pre-fitted to VG7000, VGS800 and VG9000 flanged valve series in accordance with the specified maximum close-off pressure ratings.

Features

- 500 N force output in a compact unit
- Magnetic clutch
- Unique Yoke Design
- Coupler for simple actuator attachment to flanged valves
- Positioner with adjustable starting point and span, reverse and direct action modes
- "Signal fail" safe position



Dimensions in mm

Ordering Codes	Supply Voltage (50/60 Hz)	Action Control	Protection Class	Coupler Type
VA-7150-1001	24 VAC	Floating	IP 40	Threaded
VA-7150-1003	230 VAC			
VA-7150-8201	24 VAC			Slotted
VA-7150-8203	230 VAC			
VA-7152-1001	24 VAC	Proportional 0...10 V		Threaded
VA-7152-1003	230 VAC			
VA-7152-8201	24 VAC			Slotted
VA-7152-8203	230 VAC			

Linear Actuators for Plant Valves

VA-7200

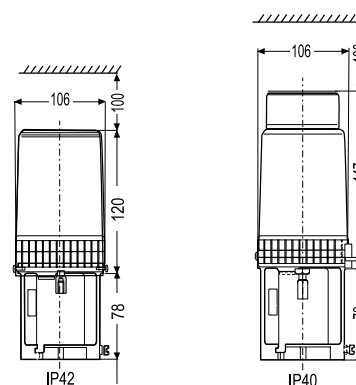
Floating and Proportional Controls

The VA-720x Series synchronous motor driven actuator provides floating or proportional control of valves, with up to 19 mm stroke in heating, ventilation and air conditioning applications. This compact, non-spring return actuator has a 1000N nominal force and responds to a variety of input signals.

The VA-7200 Series can be easily field mounted or ordered factory coupled to VG7000, VG8000, VG9000 and VGS800 Series valves in accordance with the specified maximum close-off pressure ratings.

Features

- 1000N Force Output compact unit
- Magnetic clutch
- Signal fail "safe position"



Dimensions in mm

Ordering Codes	Supply Voltage (50/60 Hz)	Control	Motor Rating	Protection Class
For VG7000 Series Valves				
VA-7200-1001	24 VAC	Floating	5 W	IP 42
VA-7202-1001		Proportional 0...10 VDC / 0(4)...20 mA		
For VG8000 / VG9000 / VGS8000				
VA-7200-8201	24 VAC	Floating	5 W	IP 42
VA-7202-8201		Proportional 0...10 VDC / 0(4)...20 mA		

Linear Actuators

for Plant Valves

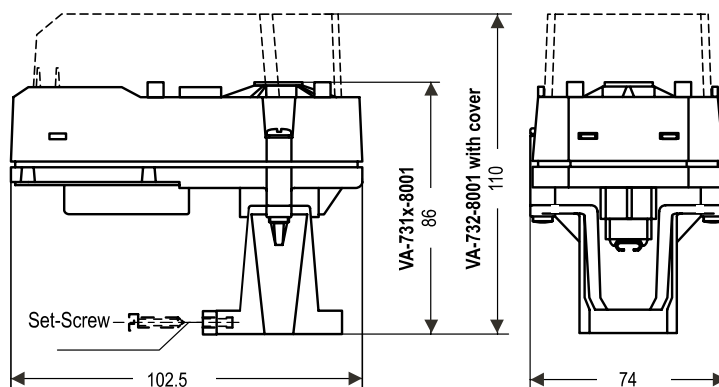
VA-7310

Floating and Proportional Controls

The VA-7310 Series provides floating or proportional control and can be mounted onto VG7000 globe control valves with slotted stem (VG7xxxxS).

Features

- 24 VAC supply voltage
- Floating and proportional control
- Manual override using a standard 5 mm allen key
- Configurable to Direct and Reverse action



Dimensions in mm

Ordering Codes	Supply Voltage (50Hz)	Control	Force	Stroke	Full Stroke Time	Protection Class	Power Consumption
VA-7310-8001	24 VAC	Floating	150 N $\pm$ 20%	8 mm (max. 10 mm)	60 sec	IP 40	2 VA
VA-7312-8001		Proportional					

Linear Actuators for Plant Valves

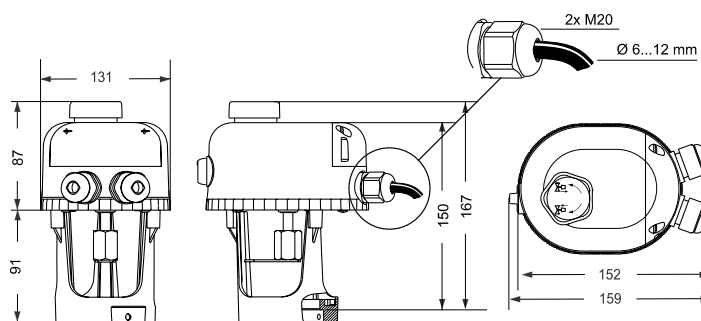
VA-7700

Floating and Proportional Controls

The VA-7700 series provides floating and proportional control and can be mounted onto VG7000, VGS800 and VG9000 valves.

Features

- 24 VAC and 230 VAC power supply
- Floating and proportional control
- Manual override
- LED operating status display
- Self calibrating
- IP54 enclosive protection



Dimensions in mm

Mounting onto VG7000 Series Valves

Ordering Codes	Supply Voltage (50/60Hz)	Action Control	Force	Stroke	Full Stroke Time	Protection Class	Power Consumption
VA-7700-1001	24 VAC	Floating	500 N	20 mm	190 s	IP 54	2.4 VA
VA-7700-1003	230 VAC						
VA-7740-1001	24 VAC						
VA-7740-1003	230 VAC						
VA-7706-1001	24 VAC	Proportional	500 N	20 mm	190 s	IP 54	4.4 VA
VA-7746-1001							

Mounting onto VGS8000 and VG9000 Series Valves

Ordering Codes	Supply Voltage (50/60Hz)	Action Control	Force	Stroke	Full Stroke Time	Protection Class	Power Consumption
VA-7700-8201	24 VAC	Floating	500 N	20 mm	190 s	IP 54	2.4 VA
VA-7700-8203	230 VAC						
VA-7740-8201	24 VAC						
VA-7740-8203	230 VAC						
VA-7706-8201	24 VAC	Proportional	500 N	20 mm	190 s	IP 54	4.4 VA
VA-7746-8201							

Linear Actuators

for Plant Valves

VA7800

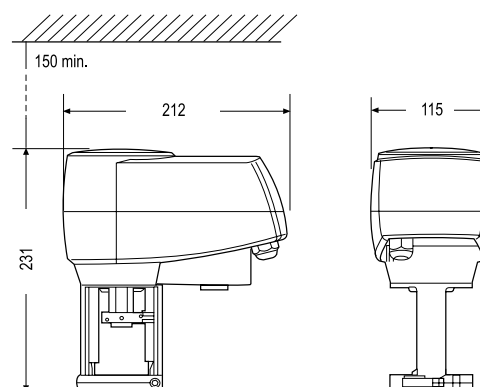
Floating and Proportional Controls

The VA78x0 spring return and non-spring return actuator with 1000 N thrust for valves in heating, ventilation and air conditioning applications is available for floating (3-point) control or proportional control. All models have manual override as standard and provide stroke capabilities of 7 mm to 25 mm. Proportional models are self-calibrating.

The actuator is intended for use with Johnson Controls VG7000 and VGS800 threaded valves as well as VG9000, VG8000 and VG8300 flanged valves. All valves should be fitted in accordance with the maximum close-off pressure ratings specified. Valve-actuators can be ordered as separate units or as a factory fitted valve / actuator combinations.

Features

- Proportional actuators are self calibrating
- All models can also be used as floating and ON/OFF actuators
- Force controlled motor shut-off
- Manual override as standard
- IP54 enclosure protection
- Delivered with fitted 1.5 m cable and wire terminals
- Status LED
- Models with optional aux. switches or 2 k Ω feedback potentiometer
- Control-Signal failure – stem to pre-determined position
- Stroke position indicator
- Spring return functions (VA7820 and VA7830 models)



Dimensions in mm

VA7800

Floating and Proportional Controls

Mounting onto VG7000 Series Valves

Ordering Codes	Supply Voltage (50/60Hz)	Action Control	Force	Stroke	Full Stroke Time	Protection Class	Power Consumption	Spring Return Action	Accessories Factory mounted			
VA-7810-ADA-11	230 VAC	ON/OFF or Floating	1000 N	25 mm	150 s	IP 54	8 VA	---	---			
VA-7810-ADC-11							2 aux switches					
VA-7810-AGA-11	---											
VA-7810-AGC-11	2 aux switches											
VA-7810-AGH-11	2 K Ω pot											
VA-7810-GGA-11	---											
VA-7810-GGC-11	2 aux switches											
VA7820-GGA-11	24 VAC	ON/OFF, Floating or Proportional			1000 N		25 mm	150 s (selectable 75 s)	IP 54	6 VA	---	---
VA7820-GGC-11										2 aux switches		
VA7830-GGA-11										---		
VA7830-GGC-11										2 aux switches		

VA7800

Floating and Proportional Controls

Mounting onto VB, BM Series Valves

Ordering Codes	Supply Voltage (50/60Hz)	Action Control	Force	Stroke	Full Stroke Time	Protection Class	Power Consumption	Spring Return Action	Accessories Factory mounted
VA-7810-GGA-11B	230 VAC	ON/OFF or Floating	1000 N	25 mm	150 s	IP 54	8 VA	---	---
VA-7810-GGC-11B									2 aux switches

Mounting onto VGS8000, VG8000 and VG9000 Series Valves

Ordering Codes	Supply Voltage (50/60Hz)	Action Control	Force	Stroke	Full Stroke Time	Protection Class	Power Consumption	Spring Return Action	Accessories Factory mounted	
VA-7810-ADA-12	230 VAC	ON/OFF or Floating	1000 N	25 mm	150 s	IP 54	8 VA	---	---	
VA-7810-ADC-12							2 aux switches			
VA-7810-AGA-12	3 VA						---			
VA-7810-AGC-12							2 aux switches			
VA-7810-AGH-12					2 KΩ pot					
VA-7810-GGA-12		---								
VA-7810-GGC-12	24 VAC	ON/OFF, Floating or Proportional			150 s (selectable 75 s)		6 VA	2 aux switches		
VA7820-GGA-12							11 VA		Actuator stem retracts	---
VA7820-GGC-12										2 aux switches
VA7830-GGA-12									Actuator stem extend	---
VA7830-GGC-12								2 aux switches		