

Actuators







# Type overview

Туре	Stroke
WGVL	2" [50 mm]

## Technical data

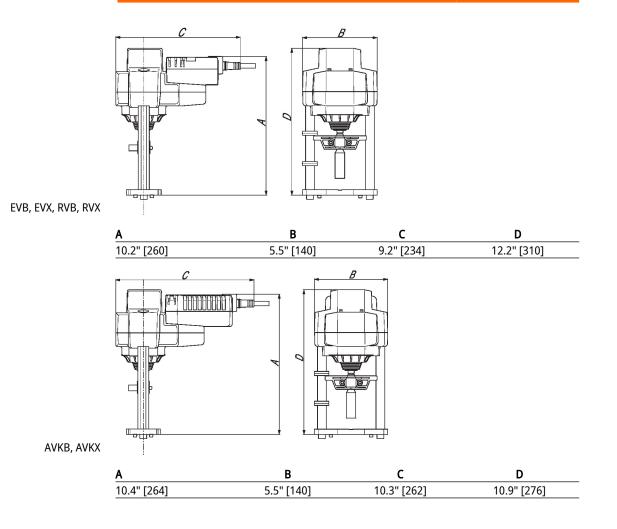
	Functional data	Fluid	chilled or hot water and steam	
		Fluid Temp Range (water)	Please Refer to Manufacturer's Valve	
			Specifications	
Materials		Mounting Position	360°	
		Applicable valve size	26" [50150]	
		Hardware	SS and Nickel plated steel	
		Housing material	Die cast aluminium and plastic casing	
		Stem	316 stainless steel	
		Stem adapter	steel	
		Frame, plate, base	aluminum, steel (fits Warren Type 20,22,23,30, and 32) and Belimo G6/G7	
		Collar	steel	
		Coupling	GF Nylon supplied	
Suitable actuators	Non-Spring	EVB(X)		
			RVB(X)	
		Electrical fail-safe	AVKB(X)	
		For close-off pressure reference Select Pro or retrofit technical documentation.		
Product features				
r rouuci reatures				
Defau	lt/Configuration		e will be factory installed along with an AVK or EV, RV series ll the necessary hardware to facilitate mounting to the	

## Dimensions

Туре	Weight
WGVL	5.7 lb [2.6 kg]

Warren valve.







On/Off, Floating Point, Non-Spring Return, Linear, 24 V

**Technical data sheet** 

## **RVX24-3**





## **Technical data**

Electrical data	Nominal voltage	AC/DC 24 V
	Nominal voltage frequency	50/60 Hz
	Nominal voltage range	AC 19.228.8 V / DC 21.628.8 V
	Power consumption in operation	6 W
	Power consumption in rest position	1.5 W
	Transformer sizing	11 VA
	Electrical Connection	18 GA plenum cable, 1 m, with 1/2" conduit connector, degree of protection NEMA 2 / IP54
	Overload Protection	electronic throughout full stroke
	Electrical Protection	actuators are double insulated
Functional data	Actuating force motor	4500 N [1010 lbf]
	Position feedback U note	No Feedback
	Direction of motion motor	selectable with switch
	Manual override	5 mm hex crank (3/16" Allen), supplied
	Stroke	2" [50 mm]
	Running Time (Motor)	90 s /
	Running time motor variable	90150 s
	Noise level, motor	65 dB(A)
	Position indication	Mechanical, with pointer
Safety data	Power source UL	Class 2 Supply
	Degree of protection IEC/EN	IP54
	Degree of protection NEMA/UL	NEMA 2
	Enclosure	UL Enclosure Type 2
	Agency Listing	cULus acc. to UL60730-1A/-2-14, CAN/CSA E60730-1:02, CE acc. to 2014/30/EU and 2014/35/EU
	Quality Standard	ISO 9001
	Ambient humidity	Max. 95% RH, non-condensing
	Ambient temperature	-22122°F [-3050°C]
	Storage temperature	-40176°F [-4080°C]
	Servicing	maintenance-free
Weight	Weight	9.02 lb [4.1 kg]
Materials	Housing material	Die cast aluminium and plastic casing

**Footnotes** † Use flexible metal conduit. Push the listed conduit fitting device over the actuator's cable to butt against the enclosure. Screw in conduit connector. Jacket the actuators input wiring with listed flexible conduit. Properly terminate the conduit in a suitable junction box. Rated impulse Voltage 800V. Type of action 1. Control pollution degree 3.



	Electrical accessories	Description	Туре
		Battery backup system, for non-spring return models	NSV24 US
		Battery, 12 V, 1.2 Ah (two required)	NSV-BAT
linetallatio	-		

## **Electrical installation**

#### X INSTALLATION NOTES

Actuators may be connected in parallel. Power consumption and input impedance must be observed.

Actuators may also be powered by DC 24 V.

A

Control signal may be pulsed from either the Hot (Source) or Common (Sink) 24 V line.

For triac sink the common connection from the actuator must be connected to the hot connection of the controller. Contact closures A & B also can be triacs. A & B should both be closed for the triac source and open for triac sink.

Actuators with plenum cable do not have numbers; use color codes instead.

Meets cULus requirements without the need of an electrical ground connection.



#### Warning! Live electrical components!

During installation, testing, servicing and troubleshooting of this product, it may be necessary to work with live electrical components. Have a qualified licensed electrician or other individual who has been properly trained in handling live electrical components perform these tasks. Failure to follow all electrical safety precautions when exposed to live electrical components could result in death or serious injury.

