



**NEXT DAY
DESPATCH**



**UK
IMPORTER**

**100 SERIES
COMPATIBLE**

**IP30
RATED**

**IP32
OPTION**

**SYNCHRO
OPTION**

**RADIO
OPTION**



Chain



24v or 230v



Up to 300N / 30Kg



300mm

**DO NOT USE FOR
SMOKE VENTILATION**



If you do require smoke control
products or advice – please call us



ABOUT THIS ACTUATOR

The UCS Vega uses a double link, central exit, articulated stainless steel chain enclosed in a diecast aluminum casing. It has mounting bracket options to suit most window types and is painted in black, white or silver/grey – bespoke colour options also available. The low profile design and high power to size ratio make this an ideal choice for concealed / built-in installations.

PRODUCT HIGHLIGHTS

- ✓ High performance to size ratio
- ✓ Small profile allows concealment in curtain walls
- ✓ Manual closing position regulation not required
- ✓ Building Management System input
- ✓ F-Signal (feedback), Synchro, Integrated Radio and IP32 Rated options available on request
- ✓ Electronic stop in case of overload
- ✓ CE marked device

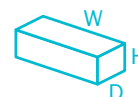
SUITABLE FOR...



COLOUR OPTIONS

- Black
- White
- Grey
- Bespoke colours on request

ACTUATOR DIMENSIONS



WIDTH: 450mm
HEIGHT: 32mm
DEPTH: 45mm

[TECHNICAL DATA >>>](#)

[PRODUCT CODES >>>](#)



TECHNICAL DATA

	VEGA 24v	VEGA 230v
Voltage Supply	24v	230v
Power	17 watts	36 watts
Thrust Force	300N / 30Kg	250N / 25Kg
Traction Force	300N / 30Kg	250N / 25Kg
Stroke Adjustment	300mm	300mm
Minimum Window Height (actuator to hinge)	900mm – Windows less than 900mm require a pivoting bracket	
Absorbed Current	0.6 amps	0.3 amps
Operating Temperature	-10°C to +60°C	-10°C to +60°C
Time Rating	50%	50%
Limit Stop	Electronic	Electronic
Safety Stop	Electronic	Electronic
Signal	Open/Close	Open/Close
Wiring	2 core + earth	4 core + earth
Speed	~ 9mm/s	~ 9mm/s
Protection Class	IP30 standard – IP32 available on request (24v only)	
Synchronisation Option	Yes	No
Parallel Connection Option	Yes (by polarity inversion)	Yes
Cable Length (standard)	1.5m	1.5m

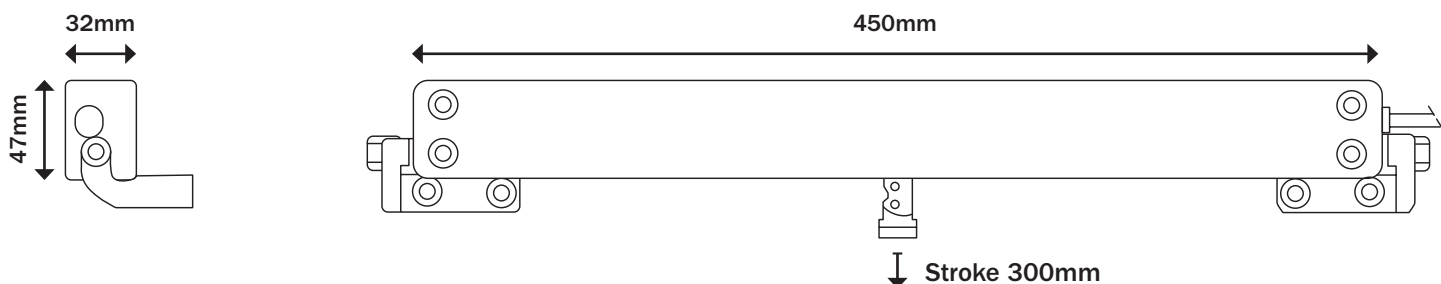
WHAT'S IN THE BOX?

- ✓ UCS Vega Actuator
- ✓ Upper Bracket Connecting Pack
- ✓ Installation and User Guide
- ✓ Safety Plate

UCS VEGA: Alternative Options Available on request

RF VEGA 230v	Integrated radio receiver and supplied with radio remote control. The transmitter simultaneously controls all actuators within its field of action. Actuators and remote controls with different radio codes also available. 230v only.
SYNCHRO VEGA 24v	Equipped with an integrated speed synchronization control board for the installation of more than one actuator on the same vent, avoiding any external control panel: max 4 Synchro Vega 24v only.
F-SIGNAL VEGA 24v	Provides opening and closing feedback signal (free potential, maintained contact), activated by the current limit. 24v only.

DIMENSIONS



PRODUCT CODES >>>

BRACKET AND ACCESSORY CODES

Installation without brackets is possible for windows with pivoting hinges only if the window height is at least 900mm



Upper Bracket (included)
Mill AXUC-VEG-BUPP-0001



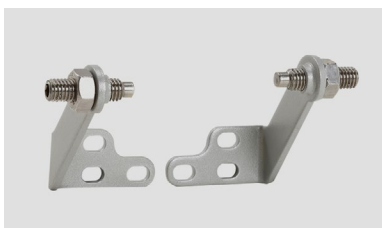
Pivoting Bracket Kit
Grey AXUC-VEG-BPIV-GR01



Long Bracket Kit
Available on request



Inward Opening Bracket
Available on request



Long Slim brackets
Available on request



Short Slim Brackets
Available on request

ACTUATOR CODES

UCS VEGA Actuator 24v

Black	ACUC-VEG-024V-BL01
White	ACUC-VEG-024V-WH01
Grey	ACUC-VEG-024V-SI01

UCS VEGA Actuator 230v

Black	ACUC-VEG-230V-BL01
White	ACUC-VEG-230V-WH01
Grey	ACUC-VEG-230V-SI01

UCS VEGA Synchro (24v only)

Grey	ACUC-VEG-024V-GR02
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UCS VEGA RF Radio (230v only)

Includes Remote Control
Available on request

UCS VEGA RF Rain (230v only)

Includes Remote Control
Available on request

UCS VEGA F-Signal (24v only)

Available on request

UCS VEGA IP32 (24v only)

Available on request

230v

RELATED PRODUCTS AND SERVICES

24v



VENTEC 100
SERIES CONTROL



VENTEC DS
SWITCH



230V TF SERIES
CONTROL



PROJECT
COMMISSIONING



INSTALLATION
& MAINTENANCE



24V TF SERIES
CONTROL



WEATHER
STATION

WINDOW OPERATION FORCE CALCULATION

TOP, BOTTOM OR PIVOT HUNG WINDOWS

The formula for calculating the load the actuator has to move for top hung, bottom hung and pivot windows is the following:

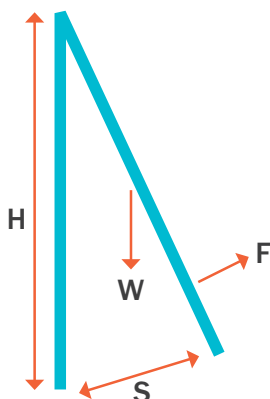
$$F = \frac{W}{2} \times \frac{S}{H} \times 10$$

F = Force required (N)

W = Weight of the window (Kg)

S = Opening stroke (mm)

H = Height of the window (mm)



EXAMPLE: 60Kg Weight / 1000mm Height / stroke 500mm

$$F = 60/2 \times 500/1000 \times 10$$

$$F = 30 \times 0.5 \times 10$$

$$F = 150 \text{ newtons}$$

IMPORTANT: For installation on a pivoting window the given height is to be considered H/2.

IMPORTANT: The indicated loads do not include the force exerted by wind or other extreme weather conditions. If the actuator is to be installed in areas that may be subject to these conditions, contact our technical department to discuss your requirements.

The actuator rotation angle is usually half the height of the opening angle of the window. Check that there are no obstacles to the rotation of the actuator in order to prevent damage to it.

For actuators with non pivoting brackets, the height of the window must not be below a certain height (see individual product details) in order to prevent excessive chain bending. Please contact our sales support team for more details.

If the window width is greater than 1.5m we suggest using an actuator with two thrust points.



IMPORTANT: If the window frame is accessible, or installed at a height of less than 2.5m from the ground, an emergency stop system must be fitted to prevent the crushing or entrapment of clothing or body parts inserted between the moving and fixed elements of the window frame.

DOMES AND SKYLIGHTS

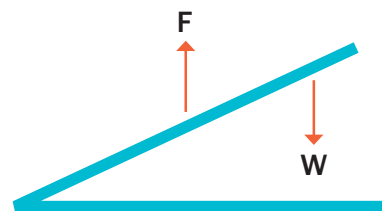
IMPORTANT: When calculating the required force for domes and skylights, Snow Load must be added to the weight of the window leaf (W).

The formula for calculating the load the actuator has to move for domes and skylights is the following:

$$F = \frac{W}{2} \times 10$$

F = Force required (N)

W = Weight of the window (Kg)



EXAMPLE: 110Kg Weight / 1000mm Height / 500mm Stroke

$$F = 110/2 \times 10$$

$$F = 55 \times 10$$

$$F = 550 \text{ newtons}$$

SKYLIGHTS: The opening can be hung on one side or have a central axis of rotation. In the latter case, you have to consider the distance between the axis of rotation and the point of application of the actuator as the frame height. A velux type of opening on a horizontal roof or roof sloping up to 30° horizontally weighs 50% on the hinges and 50% on the actuator. In the case of centre rotation, the weight is practically nothing and is determined only by the windows frictions.

If the window width is greater than 1.5m we suggest using an actuator with two thrust points.