



Technical Data Sheet
**GLAZING
 VISION**

Manual VisionVent

VVM-TDS- v2.9-12.12.2018

Name: GV Standard Manual VisionVent
 Code: 401
 Type: Manually hinged ventilation rooflight
 Description: Manually actuated, thermally broken hinged rooflight (Patent: GB2514119)

Features:

Excellent overall thermal performance with concealed insulation. Kerb fixings are hidden through the use of extruded external clip on cover. Reliable operation through heavy duty telescopic winder.

The Manual Vent Only VisionVent is used to provide ventilation. It is manually actuated by winding the telescopic spindle. Glazing Vision will supply one crank handle with each rooflight as standard, but multiple cranks can be ordered if required. The standard length is 1.5m long.

The Integrated Manual Vent Only VisionVent is essentially identical to the Solo version, but is designed to be inset into Flushglaze framing as part of a multi-section rooflight.

Kerb Dimensions (solo):	Min Kerb Thickness:	100mm*	Min Kerb Height:	150mm
	Min Span:	415mm	Max Span:	2365mm
	Min Width:	415mm	Max Width:	2365mm
	Min Pitch:	3°	Max Pitch:	70°
Kerb Dimensions (integrated):	Min Kerb Thickness:	100mm	Min Kerb Height:	150mm
	Min Span:	450mm	Max Span:	2400mm
	Min Width:	415mm	Max Width:	2365mm
	Min Pitch:	3°	Max Pitch:	70°

*PLEASE NOTE: Maximum kerb width for this product is 125mm. If this dimension is exceeded the screw jack mechanism will potentially foul the internal wall and prevent correct operation of the unit.

Example Glass Specification: Outer: 6mm HST Clear toughened.
 Spacer: 18mm Black warm edge silicone-sealed argon-filled cavity.
 Inner: 8.8mm Clear soft low E laminated.

OTHER GLASS SPECIFICATIONS ARE AVAILABLE



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Standard Colour:	Qualicoat approved RAL 7015 slate grey outer, RAL9010 pure white inner (base interior).
Rooflight Control:	Manually operated.
Power Supply:	NA.
Drive Mechanism:	Screw jack and crank handle.
Thermally Broken:	Yes.
Seals:	Combination of silicone, TPE bubble seals and dual-hardness EPDM gasket.
Security:	Tested to LPS2081 Issue 1:2015. Approved by the Loss Prevention Certification Board (Cert/LPCB ref: 1347a) Approved Secured by Design.
Use of Access:	Vent only.

CAD Drawings:	Drawing Number	Description
	401-ASS-404	Integrated Manual VisionVent
	401-ASS-409	Manual Vent Only

Optional Extras:	Remote Control:	No	Easy Clean Coating:	Yes
	Rain Sensor:	No	Dual Colour:	Yes
	Solenoid Bolt:	No	Special Colour:	Yes
	Thermostat:	No	Battery Backup:	No
	BMS Integration:	No	Downlighter:	No
	Trickle Vents:	No	Multi-Part:	NA
	Wall Abutted:	Yes (bespoke)		

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Technical Data Sheet
**GLAZING
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Chain Actuated VisionVent

VVCHAIN-TDS-v1.7-05.04.2019

Name: GV Standard Chain-actuated VisionVent
Code: 401
Type: Hinged ventilation rooflight
Description: Electric chain-actuated, thermally-broken hinged rooflight (Patent: GB2514119)

Features:

Excellent overall thermal performance with concealed insulation. Kerb fixings are hidden through the use of extruded external clip-on cover. The chain actuation mechanism provides reliability in operation, as well as good security and clear views.

Our chain actuated Visionvent can be controlled by a wall switch and is opened using an integrated chain drive unit housed within the frame.

Kerb Dimensions:	Min Kerb Thickness:	100mm	Min Kerb Height:	150mm
	Min Span:	808mm	Max Span:	2365mm
	Min Width:	1000mm	Max Width:	2200mm
	Min Pitch:	3°	Max Pitch:	70°

Example Glass Specification: Outer: 6mm HST Clear toughened.
Spacer: 20mm Warm edge black silicone-sealed argon-filled cavity.
Inner: 6mm HST Clear soft low E laminated.

OTHER GLASS SPECIFICATIONS ARE AVAILABLE

Standard Colour: Qualicoat approved RAL 7015 slate grey outer, RAL9010 pure white inner (base interior).
Rooflight Control: Wall switch as standard.
Power Supply: Motor driven chain actuated.
Drive Mechanism: Motor-driven scissor linkage mechanism with encoder feedback.
Thermally Broken: Yes.
Seals: Combination of silicone, TPE bubble seals and dual hardness EPDM gasket.
Security: Tested to LPS2081 Issue 1:2015. Approved by the Loss Prevention Certification Board (Cert/ LPCB ref: 1347a) Approved Secured by Design.
Use of Access: Vent only.



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Chain Actuated VisionVent

VVCHAIN-TDS- v1.7-05.04.2019

CAD Drawings:	Drawing Number	Description
	401-ASS-401	VisionVent kerb detail
	401-ASS-411	VisionVent wall abutment detail
	401-ASS-413	Chain actuated vent
	401-ASS-414	Chain actuated vent client wiring diagram
	401-ASS-419	Chain actuated vent with rain sensor client wiring diagram

Optional Extras:	Remote Control:	No	Easy Clean Coating:	Yes
	Rain Sensor:	Yes	Dual Colour:	Yes
	Solenoid Bolt:	No	Special Colour:	Yes
	Thermostat:	Yes	Battery Backup:	Yes
	BMS Integration:	No	Downlighter:	NA
	Trickle Vents:	No	Multi-Part:	NA
	Wall Abutted:	Yes (bespoke)		

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Technical Data Sheet
**GLAZING
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Electric VisionVent

VVE-TDS- v3.1-12.12.2018

Name: GV Standard Electric VisionVent
 Code: 401
 Type: Electrically hinged ventilation rooflight
 Description: Electrically-actuated thermally broken hinged rooflight (Patent: GB2514119)

Features:

Excellent overall thermal performance with concealed insulation. Kerb fixings are hidden through the use of extruded external clip-on cover. Reliable operation through synchronised mechanisms employing encoder feedback. The dual-lift mechanism provides stability in the open position for the larger sizes, as well as good security and unobstructed clear views. Advanced electronics control system offering low opening currents.

There are two variants of electric VisionVent: Solo Electric Vent Only and Integrated Electric Vent Only. The integrated versions are similar to the Solo equivalent but are designed to be inset into Flushglaze framing as part of a multi-section rooflight.

The electric VisionVent is powered by an external 24V power supply as standard. Glazing Vision will provide one power supply for each electric VisionVent purchased. In the event of mains failure the VisionVent will cease to function. A battery-backed supply is available as an optional extra.

The VisionVent mechanisms have an encoder output used by the control electronics to achieve closed loop synchronisation.

Kerb Dimensions (solo):	Min Kerb Thickness:	100mm	Min Kerb Height:	150mm
	Min Span:	808mm	Max Span:	2365mm
	Min Width:	845mm	Max Width:	2400mm
	Min Pitch:	3°	Max Pitch:	70°

Kerb Dimensions (integrated):	Min Kerb Thickness:	100mm	Min Kerb Height:	150mm
	Min Span:	902mm	Max Span:	2402mm
	Min Width:	882mm	Max Width:	2402mm
	Min Pitch:	3°	Max Pitch:	70°

Example Glass Specification: Outer: 6mm HST Clear toughened.
 Spacer: 18mm Black warm edge silicone-sealed argon-filled cavity.
 Inner: 8.8mm Clear soft low E laminated.

OTHER GLASS SPECIFICATIONS ARE AVAILABLE



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Electric VisionVent

VVE-TDS- v3.1-12.12.2018

Standard Colour:	Qualicoat approved RAL 7015 slate grey outer, RAL9010 pure white inner (base interior).
Rooflight Control:	Intelligent wall switch as standard. Optional controls available.
Power Supply:	External 24V 300W mains-powered supply.
Drive Mechanism:	Motor-driven scissor linkage mechanism with encoder feedback.
Thermally Broken:	Yes.
Seals:	Combination of silicone, TPE bubble seals and dual-hardness EPDM gasket.
Security:	Tested to LPS2081 Issue 1:2015. Approved by the Loss Prevention Certification Board (Cert/ LPCB ref: 1347a) Approved Secured by Design.
Use of Access:	Vent only.

CAD Drawings:	Drawing Number	Description
	401-ASS-400	VisionVent General Arrangement
	401-ASS-401	VisionVent Kerb Detail
	401-ASS-402	VisionVent Rain Sensor Positioning
	401-ASS-403	VisionVent Client Wiring Diagram
	401-ASS-405	VisionVent Solo Electric Section
	401-ASS-406	VisionVent Integrated Sections
	401-ASS-407	Section A-A Through Integrated VisionVents
	401-ASS-408	Section B-B Through Integrated VisionVents
	406-ASS-411	VisionVent Wall Abutment Detail

Optional Extras:	Remote Control:	Yes	Easy Clean Coating:	Yes
	Rain Sensor:	Yes	Dual Colour:	Yes
	Solenoid Bolt:	No	Special Colour:	Yes
	Thermostat:	Yes	Downlighter:	No
	BMS Integration:	No	Multi-Part:	NA
	Trickle Vents:	No	Battery Backup:	Yes
	Wall Abutted:	Yes (bespoke)		

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