

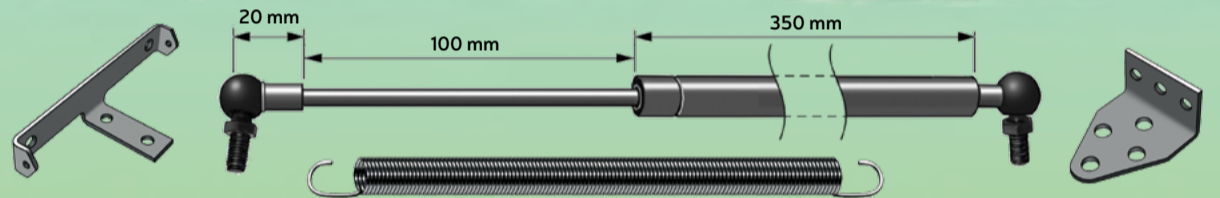
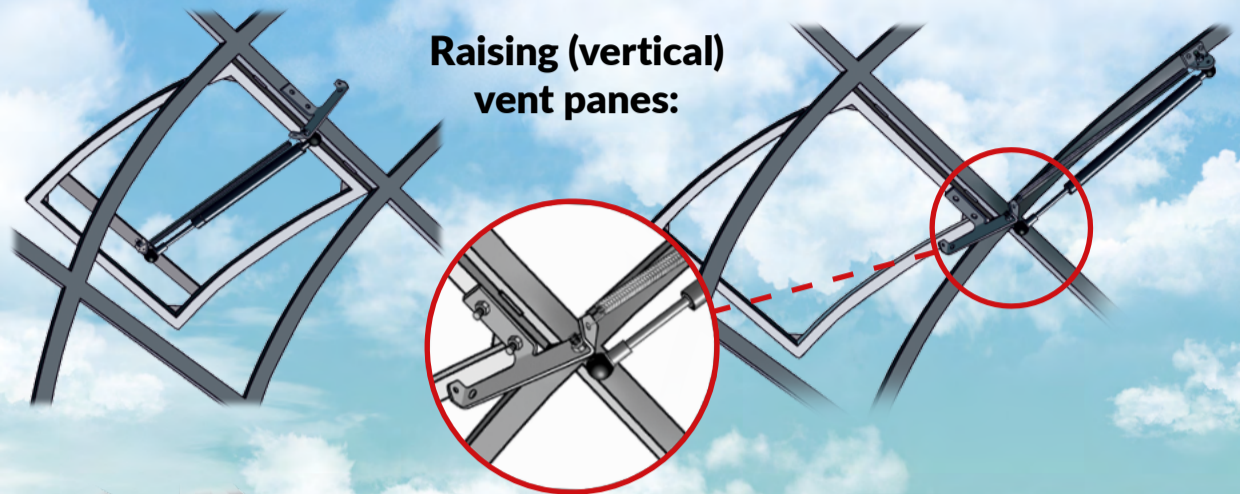
# The automatic greenhouse vent opener



# «Comfort AERO-100»

The automatic greenhouse vent opener «Comfort AERO-100» compares very favorably with the existing analogous devices in its technical features and easiness of installation and use, reliability, long useful life and price-quality trade-off.

VARIANTS OF INSTALLATION TO ALL KINDS OF DOORS, OF RAISING AND TURNING VENT PANES AND TRANSOMS



## SPECIFIC FEATURES OF THE «COMFORT-AERO-100» GREENHOUSE VENT ACTUATOR

It takes into account the requirements of traditionally cultivated plants (tomatoes and cucumbers) and works in preset temperature modes.

The high reliability is provided for by:

- the steel greenhouse vent actuator's body;
- thick retractable rod;
- steel hinges (ball pivots);
- mechanical pullback spring;
- steel universal reinforced supports.

The automatic ventilator is sensible to the temperature changes and permits to work in the unfavorable meteorological conditions. Its useful life is very long – up to 10 years.

The installation's easiness and reliability are provided for by the greenhouse vent actuator's structure and the reliable universal supports which allow fixing the product to all kinds of doors, turning and raising vent panes and transoms.

Short reaction time at the temperature changes is provided for by the new formula of the gel which fills the greenhouse vent actuator's cylinder. The black color of the cylinder's body provides for a high heat transfer from the environment into the gel inside the cylinder and back again. This combination of features provides for a swift and smooth rod's motion.

**It allows to open the greenhouse doors forcibly (manually) at low temperatures.**

## PRINCIPAL TECHNICAL FEATURES

The name of the feature	Value
Exertion of the retractable rod	100+20 кг
The greenhouse vent actuator's retractable rod: <ul style="list-style-type: none"> <li>• diameter</li> <li>• the working movement's length</li> </ul>	<ul style="list-style-type: none"> <li>• 10 mm</li> <li>• From 0 to 100 mm subject to the load and the manner of installation</li> </ul>
Short-time wind load	<p><b>At the doors:</b> S = 1.5 sq. m – up to 24 meters per second, a storm</p> <p><b>At the vent panes:</b> S = 0.5 sq. m – up to 30 meters per second, a strong storm</p>
The time of the rod's retraction when the cylinder's temperature changes from 20 to 35°C	Up to 40 minutes
The time the rod takes to pull in when the cylinder's temperature changes from 35 to 16°C	
The length of the extending (visible) part of the rod at different cylinder's temperatures: <ul style="list-style-type: none"> <li>• less than 20°C</li> <li>• from 20 to 23°C</li> <li>• from 24 to 30°C</li> <li>• 31°C and higher</li> </ul>	<ul style="list-style-type: none"> <li>• 0-10 mm</li> <li>• 20-40 mm</li> <li>• 40-80 mm</li> <li>• 81-100 mm subject to the load and the manner of installation</li> </ul>

