

Environmentally friendly

due to working by the use of nature's own materials: expands + retracts by heating + cooling of wax, which consists of plant oils
(= harmless to humans even if licked, as opposed to electricity failures)

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Ventilation of Greenhouses:

Why choose quality

The bad quality functions for a shorter time than the good one - **but what is worse** is the fact that when the ventilation stops functioning without warning, you are probably not present, and then you risk losing the work of the WHOLE year because the plants are damaged irreparably. And in this way the value of the damage becomes much greater than the value of the bad window opener.

Why choose Orbesen

Orbesen Teknik has produced automatic window openers for more than 30 years, and, on account of the dependable quality and long service life of the products, Orbesen Teknik has been the largest producer in the world of this product type for many years.

Our openers are designed so that the hydraulic cylinder (= the thermostat) remains inside the greenhouse when the window is opened. This is different from our competitors' openers where their cylinder moves out of the greenhouse and in this way measures the temperature OUTSIDE – and not the temperature inside next to your plants as we do. When measuring the lower temperature outside, the temperature inside the greenhouse becomes much too high.

All our Orbesen Openers have a max. opening of 45 cm (18"), and this is essentially more than other producers. As the size of the opening is proportional to the ventilation quantity, it is extremely important during warm periods when you need as much ventilation as possible.

Why choose automatic

The right temperature - not too high and not too low - in the greenhouse is important to create optimal conditions for the plants. Cold as well as heat damage may set back growth to a very great extent.

On a day with ongoing changes between sunshine and overcast weather, the greenhouse temperature varies a lot and very quickly, and the window should therefore open and close frequently. An automatic opener performs this job much better than you can do yourself. If you have to do it yourself, it may often not take place until the temperature HAS become too high or too low. The automatic opener monitors the temperature ALL the time. Sometimes it is a bit open, at other times wide open, and later on maybe completely closed.

Why choose non-electric

Environmental considerations are important for the future of our children and grandchildren. Hydraulic cylinders reacting directly in response to heat/cold require no supply of external energy (i.e. electricity) from CO2-impacting power stations.

Our black cylinder – which is both motor and thermostat in one unit – is filled with a plant oil/wax mixture, which melts and expands when it becomes warmer. This expansion pushes a piston rod out of the cylinder, and in this way the window is opened. When the temperature falls, the wax retracts, and the weight of the window together with the force of the opener's closing springs closes the window again.



Ventomax

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