



Special features

- Corrosion-free and weather-resistant. Long service life, all components made of break-resistant, UV-resistant plastic, light grey (type VK 160 in white).
- Resistant to aggressive air.
- Less dirt on the building wall due to straight flow through blades.
- Easy and quick to install.
- Flat design.
- Attractive design.
- Maximum flow velocity: Supply air = 6 m/s, extract air = 8 m/s.

■ **Automatic**

- Overpressure shutters in flat design for the external closure of extract air openings.
- Automatic function; opens and closes when fan is activated/deactivated.
- Installation on building wall using screws (four concealed fastenings in the corners).
- Delivered in individual shipping box.
- Nominal sizes 630 and 710 are provided with a centre bar and nominal sizes 800 and 900 are provided with two intermediate bars to increase stability. Accordingly, this results in multiple blade sections.

■ **Manually adjustable**

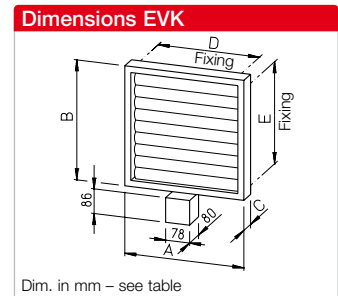
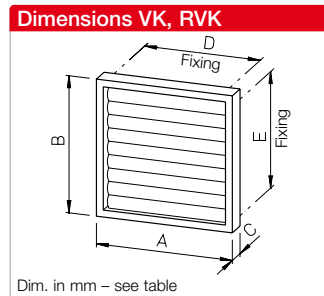
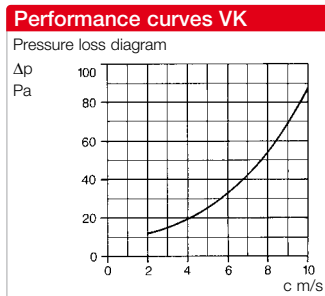
- For the closure of extract and supply air openings in external walls. Flat design. Suitable for reversible axial fans (supply and extract air) as throughflow possible in both directions.
- Rattle-free and tight closing as blades over centre bar are closed by spring force.
- Manual operation using drawcord via pulley.
- Delivery incl. cord protection tube, pulley and holdback hooks.
- Frame, blades with axles and adjustment slider made of UV-resistant, break-resistant plastic in light grey.
- The shutter has one blade section up to NS 500. In case of larger dimensions (see "Custom sizes"), there are multiple blade sections to increase stability. Each section must be operated with a separate drawcord.

■ **Electrically adjustable**

- External wall shutters for covering extract and supply air openings.
- Automatic function coupled with the fan control. Wired in such a way that the fan only starts up when the shutter is fully open.
- Fan and shutter controlled by on-site changeover switch. End switch in servomotor enables the fan circuit when fully open. Max. load 1 A (incl.). Auxiliary contactor required for higher load or three-phase current fans (contactor, Ref. no. 99611).
- In case of operation with speed controller, shutter control is required via an on-site relay.
- Delivered ready-for-connection with external cable (4 x 1.0 mm², approx. 1.5 m long). Connection according to wiring diagram no. 39 and 73.
- Waterproof interlocking casing in protection category IP45 made of plastic; including maintenance-free drive motor 230 V~, 50 Hz.
- Made of light grey plastic, rattle-free and tight closing.

■ **Pressure losses**

System resistances which are caused by individual components, such as e.g. shutters, must be taken into account for the fan design. The adjacent diagram shows the resistance depending on the flow velocity.



■ **Product range**

Automatic Type	Ref. no.	Manually adjustable Type	Ref. no.	Electrically controlled Type	Ref. no.	Compatible with fan NS mm	Dimensions				
							A mm	B mm	C mm	D mm	E mm
VK 160 ¹⁾	00892	—	—	1)	1)	150/160	190	190	25	131	131
VK 200	00758	RVK 200	00766	EVK 200	00774	180/200	240	240	28	193	167
VK 250	00759	RVK 250	00767	EVK 250	00775	225/250	290	290	28	243	217
VK 315	00760	RVK 315	00768	EVK 315	00776	280/315	340	340	28	293	267
VK 355	00761	RVK 355	00769	EVK 355	00777	355	390	390	28	343	317
VK 400	00762	RVK 400	00770	EVK 400	00778	400	440	440	28	393	367
VK 450	00763	RVK 450	00771	EVK 450	00779	450	490	490	30	443	417
VK 500	00764	RVK 500	00772	EVK 500	00780	500	540	540	30	493	467
VK 630	00836			EVK 630	00781	560/630	686	690	40	520	630
				EVK 630	00781	560/630	685	690	40	671	590
VK 710	00838			EVK 710	00784	710	785	785	40	771	685
				EVK 710	00784	710	785	790	40	771	690
VK 800	00839					800	876	885	40	862	785
VK 900	00841					900	1026	985	40	1012	885

■ **Accessories**

Fitting F allows the installation of this shutter (up to NS 710) on round ducts. Selection and description see page 570.

Larger dimensions upon request, see also custom sizes.

1) Description, design and dimensions of smaller shutters see following page.