

VK 200 – 900



RVK



EVK 200 – 710



### Special characteristics

- Made of non-corrosive, weather proof, long life and ultra-violet stable polymers, colour light grey (VK 160 in white).
- Resists most harmful atmospheres.
- External building cladding stays clean longer as air flow channelled straight through the shutter.
- Easy and quick installation.
- Flat design.
- Attractive appearance.

### Automatic

- Air stream operated louvres in a compact flat design to cover exhaust air openings in walls.
- Automatic operation; opens and closes when the fan is switched on and off.
- Fixed to wall by means of four concealed holes in corners.
- Supplied in individual boxes including mounting materials.
- Maximum air flow velocity = 8 m/s.
- Sizes 630 and 710 have an additional centre mullion to increase overall stability and sizes 800 and 900 have two mullions resulting in several louver panels.

### Manually adjustable

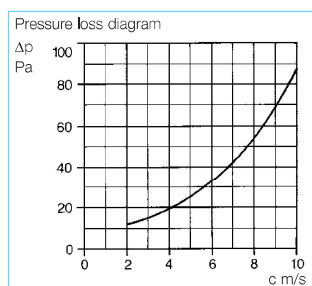
- To cover intake and exhaust air openings in external walls. Compact flat design. Suitable for reversible axial fans (intake and extract) as air flow in either direction is possible.
- Rattle-free and tight insulated, as the louvers are closed by spring force via mullions.
- Manual operation by means of pull cord via guide roller.
- Supplied with pull cord protection, guide roller, fixing hook and mounting materials.
- Frames, louvers with axis and adjusting parts made of UV resistant, impact resistant polymer in light grey.
- Up to nominal size 500 the louver has one centre mullion. For larger sizes (see "custom sizes") the models have an additional centre mullion to increase overall stability and result in several louver panels. Each part has a separate pull cord.

### Electrically adjustable

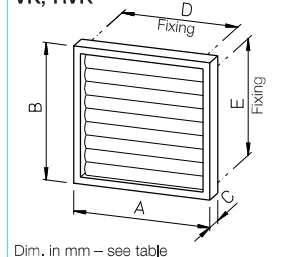
- External shutters to cover intake and exhaust air openings.
- Automatic operation linked with fan controller. It can be wired so that the fan start is delayed until the shutter is fully opened.
- Control of fan and shutter via remote switch to be installed on site. The limit switch in servo motor connects the fan circuit when the shutter is fully opened. Max. current 1 A (ind.). With higher currents or 3 phase fans an auxiliary relay is required (contactor, Ref. no. 99611).
- If the fan is operated by a speed controller the shutter must be controlled via a relay installed on site.
- Ready for installation with a lead (5 x 1,5 mm<sup>2</sup>, approx. 1,5 m long). Connection according to wiring diagram no. 39 and 73.
- Water proof motor housing, protected to IP 55, made of polymer; includes maintenance free gear box motor 230 V~, 50 Hz.
- Made of light grey polymer, rattle free operation and tight closing.

### Pressure loss

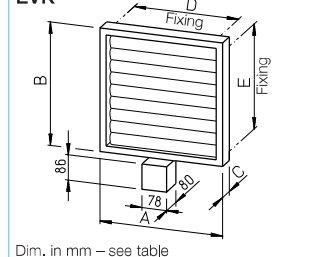
When selecting a fan the pressure drop of all components of the system like ducting and shutters must be considered. The diagram shows the resistance subject to air velocity.



VK, RVK



EVK



### Model ranges

| Automatic Type       | Ref. no. | Manually adjustable Type | Ref. no. | Electric control Type | Ref. no.      | Fits fan nominal size mm | Dimensions |      |      |      |      |
|----------------------|----------|--------------------------|----------|-----------------------|---------------|--------------------------|------------|------|------|------|------|
|                      |          |                          |          |                       |               |                          | A mm       | B mm | C mm | D mm | E mm |
| VK 160 <sup>1)</sup> | 0892     | —                        | —        | <sup>1)</sup>         | <sup>1)</sup> | 150/160                  | 190        | 190  | 25   | 131  | 131  |
| VK 200               | 0758     | RVK 200                  | 0766     | EVK 200               | 0774          | 180/200                  | 240        | 240  | 28   | 193  | 167  |
| VK 250               | 0759     | RVK 250                  | 0767     | EVK 250               | 0775          | 225/250                  | 290        | 290  | 28   | 243  | 217  |
| VK 315               | 0760     | RVK 315                  | 0768     | EVK 315               | 0776          | 280/315                  | 340        | 340  | 28   | 293  | 267  |
| VK 355               | 0761     | RVK 355                  | 0769     | EVK 355               | 0777          | 355                      | 390        | 390  | 28   | 343  | 317  |
| VK 400               | 0762     | RVK 400                  | 0770     | EVK 400               | 0778          | 400                      | 440        | 440  | 28   | 393  | 367  |
| VK 450               | 0763     | RVK 450                  | 0771     | EVK 450               | 0779          | 450                      | 490        | 490  | 30   | 443  | 417  |
| VK 500               | 0764     | RVK 500                  | 0772     | EVK 500               | 0780          | 500                      | 540        | 540  | 30   | 493  | 467  |
| VK 630               | 0836     |                          |          | EVK 630               | 0781          | 560/630                  | 686        | 690  | 40   | 520  | 630  |
| VK 710               | 0838     |                          |          | EVK 710               | 0784          | 710                      | 785        | 785  | 40   | 771  | 685  |
| VK 800               | 0839     |                          |          |                       |               | 800                      | 876        | 885  | 40   | 862  | 785  |
| VK 900               | 0841     |                          |          |                       |               | 900                      | 1026       | 985  | 40   | 1012 | 885  |

Larger sizes are available on request, also see custom models.

<sup>1)</sup> For specification, design and dimensions of smaller shutters see following page.

### Accessories

Adapter F allows installation of these shutters (up to nominal diameter 710) on circular ducting. For selection and specification see page 496.

### VK 100, 125, 160

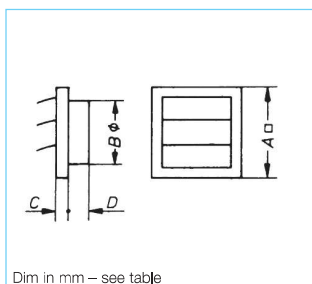


- **Small automatic shutters made of polymer for Ø 100, 125 and 160 mm**  
Airstream operated louvres to cover exhaust air openings.
- Suitable as extract outlet of small fans, cooker hoods, tumble dryers and others.
- Made of UV-resistant and impact resistant polymer.
- Fixing via spigot or masonry plugs. Sealing foam strip included in contents.

#### ■ Model range

| Type       | Ref. no. | Colour | Spigot Ø mm | Qty |
|------------|----------|--------|-------------|-----|
| VK 100     | 0757     | white  | 100         | 1   |
| VK 100 B   | 0765     | brown  | 100         | 1   |
| VK 100 VE* | 0885     | white  | 100         | 24  |
| VK 125     | 0857     | white  | 125         | 1   |
| VK 160     | 0892     | white  | 150/160     | 1   |

\* low-cost bulk pack



Dim in mm – see table

| Type   | A   | Dim. in mm<br>Ø B | C  | D  |
|--------|-----|-------------------|----|----|
| VK 100 | 140 | 98                | 15 | 28 |
| VK 125 | 160 | 120-125           | 20 | 30 |
| VK 160 | 190 | 145               | 25 | 35 |

### EVK 100, 150



- **Small electric shutter**  
To cover intake and exhaust air openings in all types of rooms.
- Attractive design blends into any decor. The view into the duct is obscured even when the shutter is open.
- Maximum air flow velocity approx. 6 m/s.
- Noise free operation with a 60 second opening delay.
- Control via on/off switch, wired in parallel by preference.

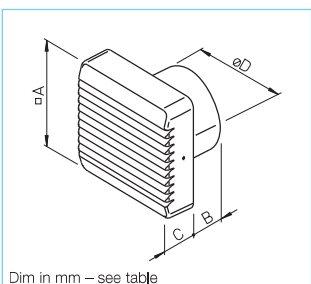
#### ■ Model range

| Type    | Ref. no. | Spigot Ø mm | Weight kg |
|---------|----------|-------------|-----------|
| EVK 100 | 0453     | 100         | 0,26      |
| EVK 150 | 0251     | 150         | 0,44      |

Break-proof polymer, alpine white.  
Wiring diagram no. 479  
Voltage/Frequency 230 V~, 50/60 Hz  
Power consumption approx. 6 W

#### ■ Note

Operating temp. EVK 100, EVK 150: 0 to +40 °C, for all other polymer backdraught shutters: -30 to +60 °C.



Dim in mm – see table

| Type    | □ A | Dim. in mm<br>B | C    | Ø D |
|---------|-----|-----------------|------|-----|
| EVK 100 | 140 | 58              | 38,5 | 97  |
| EVK 150 | 190 | 62              | 43   | 145 |

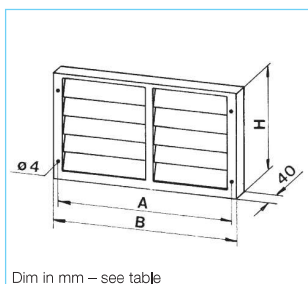
### VK rectangular duct



- **Rectangular shutter**  
In landscape format, to cover exhaust air openings in external walls.
- Dimensions fit Helios rectangular fan range.
- Automatic operation.
- All parts made of high quality, light grey polymer.
- Fixing via dowels.
- Maximum air flow velocity = 10 m/s.

#### ■ Model range

| Type      | Ref. no. | Duct nominal size cm |
|-----------|----------|----------------------|
| VK 30/15  | 0735     | 30 x 15              |
| VK 40/20  | 0874     | 40 x 20              |
| VK 50/25  | 0875     | 50 x 25              |
| VK 50/30  | 0876     | 50 x 30              |
| VK 60/30  | 0877     | 60 x 30              |
| VK 60/35  | 0878     | 60 x 35              |
| VK 70/40  | 0879     | 70 x 40              |
| VK 80/50  | 0880     | 80 x 50              |
| VK 100/50 | 0881     | 100 x 50             |



Dim in mm – see table

| Type      | A    | B    | H   | Weight kg |
|-----------|------|------|-----|-----------|
| VK 30/15  | 381  | 395  | 235 | 1.0       |
| VK 40/20  | 473  | 485  | 285 | 1.3       |
| VK 50/25  | 574  | 585  | 335 | 2.0       |
| VK 50/30  | 574  | 585  | 385 | 2.2       |
| VK 60/30  | 674  | 685  | 385 | 2.4       |
| VK 60/35  | 674  | 685  | 435 | 2.6       |
| VK 70/40  | 774  | 785  | 485 | 3.1       |
| VK 80/50  | 864  | 876  | 585 | 4.4       |
| VK 100/50 | 1162 | 1176 | 585 | 5.5       |

### Custom sizes



- **Custom sizes**  
The shutter ranges – automatic (airstream operated) – manually adjustable – electrical control are available in project specific custom sizes.
- The dimensions can be varied within steps of 50 mm. Any rectangular portrait, landscape or square dimensions are available. The shutters are manufactured to order and are non-exchangeable or returnable. Therefore the dimensions must be defined accurately.
- For more stability, an additional vertical centre mullion is fitted over 40 cm louver length and a horizontal centre mullion over 100 cm louver length. Large shutters are supplied in segments for stability and transport reasons and have to be assembled on frames.
- The maximum air flow velocity for standard models is 10 m/s.
- All parts (frames, shutters and their stocks) made of light grey, high quality, UV resistant polymer.