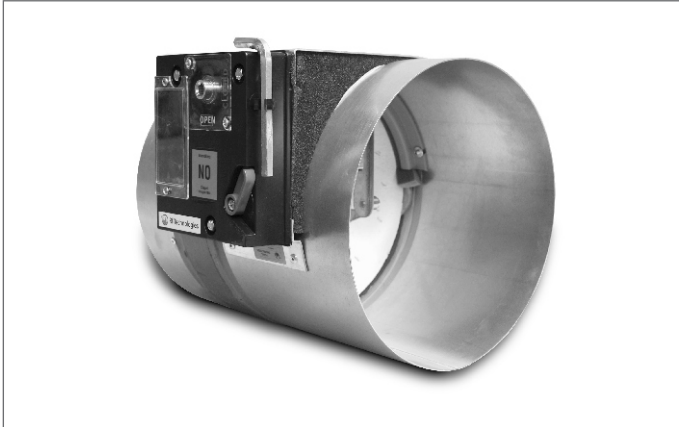




# Dampers and shutters

## VR2



### Description

Smoke evacuation damper normally closed, remote controlled and fire resistant in closed position. The damper opens in case of fire to permit smoke evacuation.

### Standard

Steel tunnel

Damper blade

Operating mechanism with:

- manual command
- manual locking
- blade position indicator
- identification label
- electric connections

Rubber sealing ring

Blade bumper

Intumescent packing

Transmission with locking open/closed

### Fire resistance

2 hours

### Ordering example

Vr2 B F220 RCJ 400

Type

Actuating

Accessories

Dimension

### Dimensions

	200	250	315	355	400	450	500	560	630
VR2									

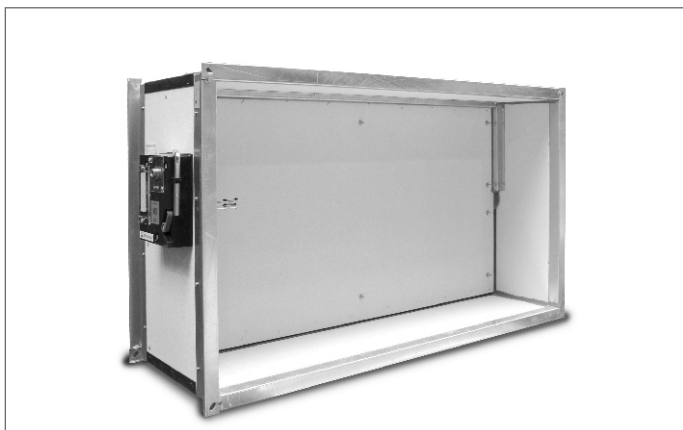
### Accessories

MANF Remote controlled command  
BF/DB Springreturn actuator 24/230 V



# Dampers and shutters

## VU2



### Description

Smoke evacuation damper normally closed, remote controlled and fire resistant in closed position. The damper opens in case of fire to permit smoke evacuation.

### Standard

Connection flange Pg30

Casing from refractory material

Damper blade

Operating mechanism with:

- manual command
- manual locking
- blade position indicator
- identification label
- electric connections

Rubber sealing ring

Blade bumper

Intumescent packing

Transmission with locking open/closed

### Types of flanges

see PG

### Fire resistance

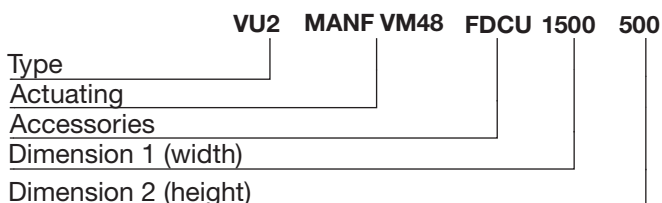
2 hours

### Options

EQ – Equipotential connection

UL – Inspection shutter

### Ordering example



### Accessories

MANF

Remote controlled command

BF / DB

Springreturn actuator 24/230 V

### Dimensions

HB[mm]	200	250	300	350	400	450	500	550	600
200									
250									
300									
350									
400									
450									
500									
550									
600									
650									
700									
750									
800									
850									
900									
950									
1000									

HB[mm]	650	700	750	800	850	900	950	1000	1050
200									
250									
300									
350									
400									
450									
500									
550									
600									
650									
700									
750									
800									
850									
900									
950									
1000									

HB[mm]	1100	1150	1200	1250	1300	1350	1400	1450	1500
200									
250									
300									
350									
400									
450									
500									
550									
600									
650									
700									
750									
800									
850									
900									
950									
1000									



# Dampers and shutters

# Vantage 1V



## Description

The VANTAGE shutters are used for the smoke evacuation in residential buildings in order to guarantee a safe evacuation of people.

## Standard

Locking mechanism

Connection box

Blocking

1 shutter [1V]

Ninge

Front frame

Gaz spring (type ceiling)

## Options

Begin of range switch

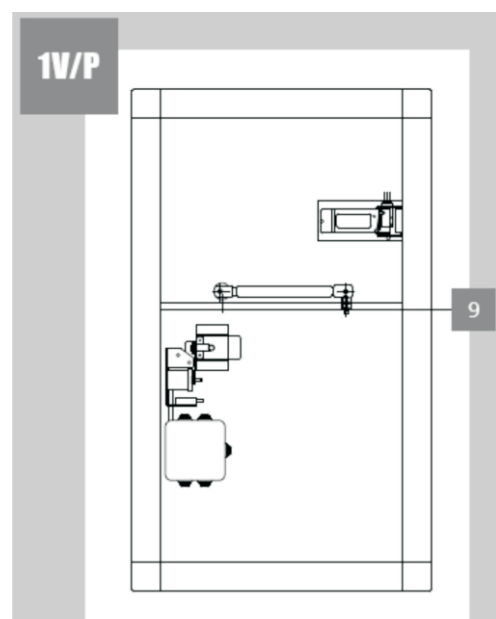
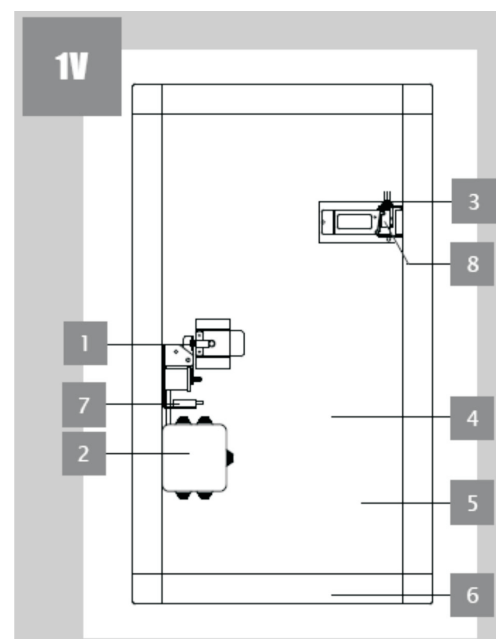
End of range switch

## Ordering example

	<b>VANTAGE</b>	<b>1H</b>	<b>1V</b>	<b>VD24</b>	<b>FDC</b>	<b>700</b>	<b>865</b>
Type							
Fire resistance							
Doors							
Actuating							
Accessories							
Dimension 1 (width)							
Dimension 2 (height)							

## Fire resistance

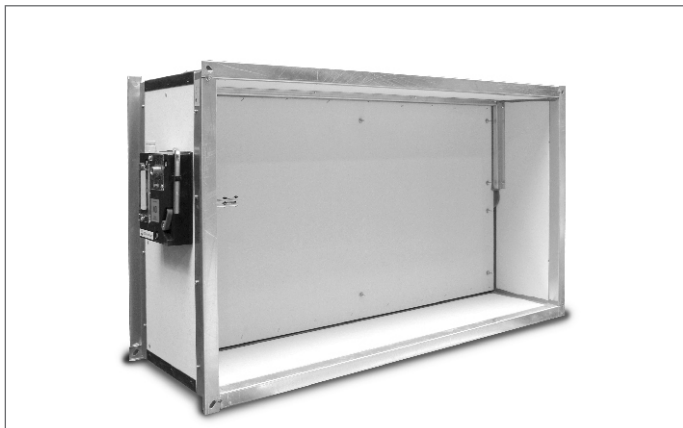
Type	1h	1h30	2h
	finishing frame obligated		
Wall mounting	VANTAGE 1H1V		VANTAGE 2H1V
Wall mounting motorised	VANTAGE 1H/1V/M +M		VANTAGE 2H/1V/M +M
Ceiling mounting	VANTAGE 1H/1V/P	VANTAGE 1H30/1V/P	





# Dampers and shutters

# VANTAGE 2V



## Description

The "VANTAGE"-shutters are used for the smoke evacuation in residential buildings in order to guarantee an easy evacuation of people.

## Standard

Centre support

Locking mechanism

Connection box

Blocking

2 shutters [2V]

Ninge

Front frame

Gaz springs (type ceiling)

## Options

Begin of range switch

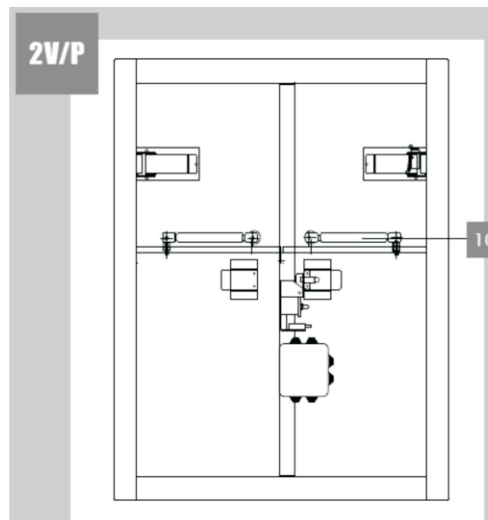
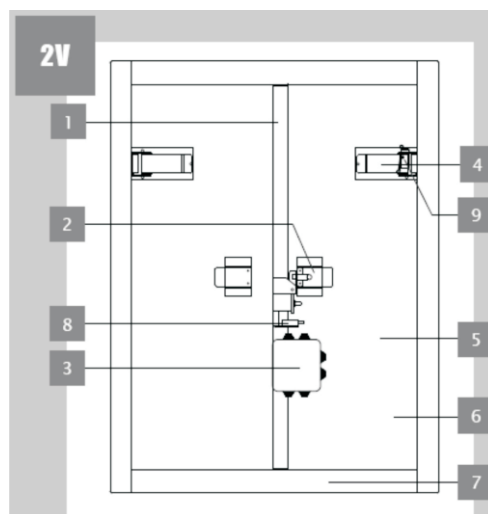
End of range switch

## Ordering example

	<b>VANTAGE</b>	<b>1H</b>	<b>2V</b>	<b>VD24</b>	<b>FDC</b>	<b>700</b>	<b>865</b>
Type							
Fire resistance							
Doors							
Actuating							
Accessories							
Dimension 1 (width)							
Dimension 2 (height)							

## Fire resistance

Type	1h	1h30	2h
Wall mounting	VANTAGE 1H/2V		VANTAGE 2H/2V
Ceiling mounting	VANTAGE 1H/2V/P	VANTAGE 1H30/2V/P	





# Mechanisms

## MANF [+ME]



### Description

The unlocking mechanism MANF unlatches the smoke evacuation damper blade via remote control by sending an electric impulse (VD) or by interruption (VM) of the magnet's power supply. By unlocking, the internal torsion spring unwinds and releases the damper blade into its safety position. To indicate the open or closed position of the fire damper blade. The mechanism is standard provided with an end and begin of range switch FDCU. The rearmation has to be done manually (MANO).

### Type of magnet

VD: natural magnet  
VM: electromagnet

	VM24	VM48	VD24	VD48
Voltage	24 Vdc	48 Vdc	24 Vdc	48 Vdc
Capacity	1.6W interruption of current		3.5 W interruption of current	

The rearmation of the smoke evacuation shutter can be done by a remote controlled electric rearmation motor.

### Unlocking

- Manually: by pressing the yellow button
- Remote control : by an electric impulse (VD) or by interruption (VM) of the magnets power supply

### Rearmation

- Manually : turn 90° with torcq key 13 mm
- A magnet with interruption (VM) needs power supply for rearmation
- By electric rearmation motor

### Options

- Bipolar end and begin of range switch FDCB
- Rearmation motor ME

## DB



### Description

When connected to the power supply the servomotor moves the smoke evacuation damper blade into its stand-by position. When the power is interrupted, the internal armed spring returns the damper blade into its safety position.

	DB 24	DB 220
Voltage	24 Vdc +/- 10% 24 Vac +/- 20%	230 Vac +/- 10%
Consumption holding	4 W	4.5 W
Consumption rearmation	10 W	8 W
Capacity	18 W	13 W



**DB24 | DB220**  
24V | 230V

**Nota**Ex-schischeck



# Mechanisms

## Ex-Schischek



### Description

When connected to the power supply the explosion proof motor moves the smoke evacuation damper blade into its stand-by position. When the power is interrupted the internal armed spring returns the damper blade into its safety position.

For deflagration risk between several risk areas are distinguished:

- Zone 1/21: midling risk of explosion  
>100h/year explosive surroundings
- Zone 2/22 : low risk of explosion  
<10h/year of explosive surroundings

## Vantage mechanisms

### Description

Unlocking via remote control by sending an electric impulse (VD) or by interruption (VM) of the magnet's power supply.

### Type of flanges

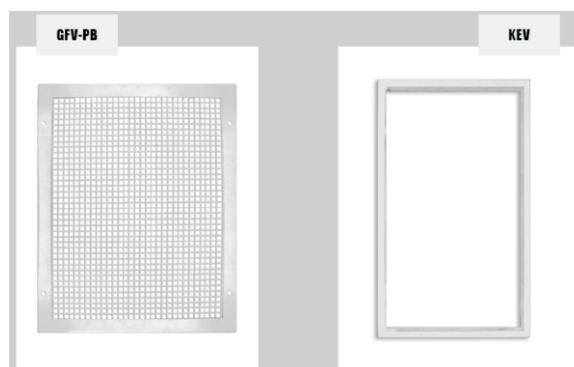
VD: natural magnet

VM: electromagnet

	VM24	VM48	VD24	VD48
Voltage	24 Vdc	48 Vdc	24 Vdc	48 Vdc
Capacity	1.6W interruption of current		3.5 W interruption of current	

### Options

For Vantage 1H/1V	Unipolar end of range switch	FCU
Vantage 1H/1V/M (+ME)	Bipolar end of range switch	FCB
Vantage 1H/1V/P	Unipolar begin of range switch	DCU
Vantage 2H/1V		
Vantage 2H/1V/M (+ME)	Bipolar begin of range switch	DCB
Vantage 1H/2V		
Vantage 1H/2V/P		
Vantage 2H/2V		
For Vantage 1H/1V/M	Motor ME	ME
Vantage 2H/1V/M		



### Accessories

Technical frame	
KEV	Build in frame
Finishing frame	
GFV-PB	steel frame with grill in perforated steel plate with screw fastener



# Dampers and shutters accessories

## RCJ, RCVF



### Description

**RCJ** Round connection with rubber sealing ring.

**RCVF** Round reduction piece for connection on a canal with a diameter smaller than the diameter for the damper.

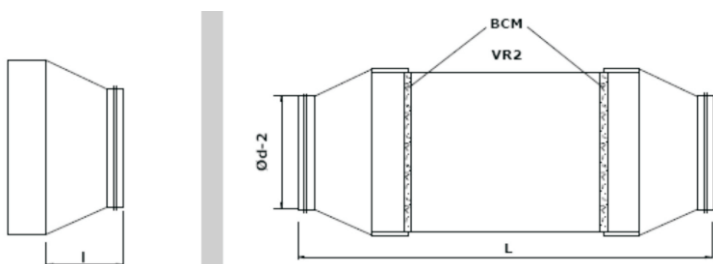
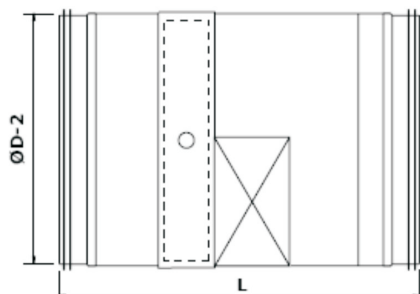
### Dimensions

#### RCJ

ØD	200	250	315	355	400	450	500	560	630
L	447	487	497	487	527	527	517	517	527

#### RCVF

Ød	80	100	125	160	180	225
ØCR2	200	200	200	200	200	250
L	665	545	525	495	595	625
l	145	85	75	60	110	125



## PG



### Types of flanges

For the dampers VU2(L)

### Standard for VU2

Connection with ducts via flanges of 30 mm:

Junction of damper / duct:

- either by sliding profile
- or with bolts

The four edges of the frame are provided with elliptical holes  $\varnothing 8.5 \times 16$  mm

### Variants

Connection with ducts via flanges of 20 mm:

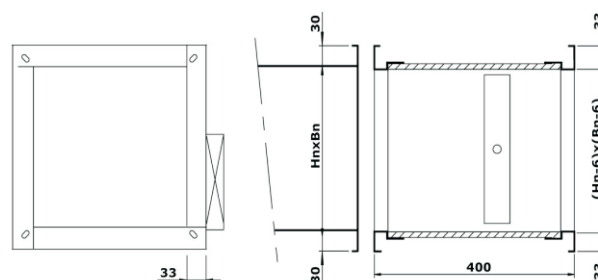
The four edges of the frame are provided with elliptical holes  $\varnothing 6.5 \times 16$  mm

Connection with ducts via flanges of 40 mm:

The four edges of the frame are provided with elliptical holes  $\varnothing 8.5 \times 16$  mm

**PM** Connection with ducts by socket joint. This type of frame is used in case of shortage of space for standard frames

**PP** No connection. This type of frame is used on transfer dampers or on one side of a damper that opens into a room.





# Dampers and shutters accessories

## PG

### Dimensions

HB[mm]	200	250	300	350	400	450	500	550	600
200									
250									
300									
350									
400									
450									
500									
550									
600									
650									
700									
750									
800									
850									
900									
950									
1000									

HB[mm]	650	700	750	800	850	900	950	1000	1050
200									
250									
300									
350									
400									
450									
500									
550									
600									
650									
700									
750									
800									
850									
900									
950									
1000									

HB[mm]	1100	1150	1200	1250	1300	1350	1400	1450	1500
200									
250									
300									
350									
400									
450									
500									
550									
600									
650									
700									
750									
800									
850									
900									
950									
1000									

## Types of flanges

For the dampers VU2L

### Description

- PR Round connection on a rectangular damper
- PRJ Round connection with rubber sealing ring
- PPT Grill - Very well suited as protection grill on the end piece of a duct system or on a transmission damper through a wall or floor.

### Dimensions

PR / PRJ	100	125	160	200	250	315	355	400	450

PR / PRJ	500	560	630	710	800	900	1000

PPT

The same as PG (see left).