

# Specifications

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### **Flexible duct - SFR, no. 5:**

Manufacturer: AEROTECHNIK E. Siegart

Type: SFR, no. 5

Flexible ducts is a two-ply duct, made from taped aluminum strip, compressed to a length of about 1.250 mm, extendable up to about 5000 mm (Aero-Alustretch-Rohr), temperature use up to 200 °C, not combustible according to DIN 4102 class A1.

### **Aero-Aluflex attenuator - TSD, no. 13:**

Manufacturer: AEROTECHNIK E. Siegart

Type: TSD, no. 13

Flexible attenuator for reducing the flow noise in the round ducts as well as for reducing of the noise transmissions through air ducts between adjacent rooms. External and internal perforated duct made from two-ply aluminum strip. Insulation layer made from glass fiber with glass fleece with RAL quality mark harmless to health according to EU-Regulation 97/69, temperature resistant in contentious use up to 90 °C, in short-term use up to 120°C. Mineral wool with glass fleece, abrasion resistant (up to 20 m/s) as trickle protection and not combustible according to DIN 4102 class A1.

Options:

- Insulation layer: 25, 50, 75 or 100 mm
- With lip sealing (TSD, no. 913)

### **Aero attenuator - TSD, no. 15:**

Manufacturer: AEROTECHNIK E. Siegart

Type: TSD, no. 15

Rigid attenuator for reducing the flow noise in the round ducts as well as for reducing of the noise transmissions through air ducts between adjacent rooms. External duct made from galvanized laser-welded flat duct, internal duct made from Aero-Aluflex duct, mechanically perforated. Insulation layer made from glass fiber with RAL quality mark harmless to health according to EU-Regulation 97/69, temperature resistant in contentious use up to 90 °C, in short-term use up to 120°C. Glass fiber wit glass fleece, abrasion resistant (up to 20 m/s) as trickle protection and not combustible according to DIN 4102 class A1.

Options:

- Insulation layer: 25, 50, 75 or 100 mm
- With lip sealing (TSD, no. 915)

### **Aero-attenuator - TSD, no. 16:**

Manufacturer: AEROTECHNIK E. Siegart

Type: TSD, no. 16

Rigid attenuator for reducing the flow noise in the round ducts as well as for reducing of noise transmissions through air ducts between adjacent rooms. External duct made from rigid galvanized flat duct, internal duct made from galvanized perforated plate. Insulation layer made from glass fiber with RAL quality mark harmless to health according to EU-Regulation 97/69, temperature resistant in contentious use up to 90 °C, in short-term use up to 120°C. Glass fiber with glass fleece, abrasion resistant (up to 20 m/s) as trickle protection and not combustible according to DIN 4102 class A1.

Options:

- Insulation layer: 25, 50, 75 or 100 mm
- With lip sealing (TSD, no. 915)

### **Shut-off damper - AKH, no. 220:**

Manufacturer: AEROTECHNIK E. Siegart

Type: AKH, no. 220

Circular shut-off damper for shutting off the air ducts in a compact form with a housing made from galvanized steel – laser-welded, without overlapping; stop disc with age-resistant silicone gasket. Push-fit ends with lip sealing made from EPDM, shaft feedthrough of the stop disc is located maintenance-free and airtight, in flow direction airtight

according to DIN EN 1751 class 4 up to a pressure of 1000 Pa for diameters 80 to 400, the push-fit ends with lip sealing airtight according to DIN EN 12237 class D, leakage of housing according to DIN EN 1751 class C.

Manual adjustment device

Range of temperature: -15°C to +100°C

Options:

- With mounted bracket for electronic or pneumatic actuator. (AKM, no. 220)
- ATEX execution according to Regulation 2014/34/EU
- Stainless steel Inox 304 or 316.

### **Throttle valve - DKH, no. 228:**

Manufacturer: AEROTECHNIK E. Siegart

Type: DKH, no. 228-1

Circular throttle valve for regulating the volume flow in the air duct, in a compact form with the housing and the blade made from galvanized steel, housing laser-welded without overlapping; shaft feedthrough of the throttle disc located maintenance-free and airtight, airtightness of the push-fit ends with lip sealing according to DIN EN 12237 class D.

Manual adjustment.

Range of temperature: -15°C to +100°C

Valid for air velocity up to 12 m/s

Nominal diameters: 80 – 630 mm

Options:

- Push-fit ends with lip sealing made from EPDM (DK, no. 9228)
- With mounted bracket for electronic or pneumatic actuator. (DKM, no. 228-2)
- Blade with perforated plate
- Stainless steel INOX 304 or 316

### **Multi-leaf damper, standard, blades 100 mm - JS, no. 250:**

Manufacturer: AEROTECHNIK E. Siegart

Type: JS, no. 250

Rectangular multi-leaf damper for regulating the air flows, frames and blades in galvanized steel, blade width 100 mm wide designed as torsion-proof hollow profiles, blade coupling system consisting of one-side arranged internal aluminum gears, bearing axle in galvanized steel, bearing made from polyamide maintenance-free and airtight.

Specification of a product:

Stable and torsion-proof welded frames, good cleanability, without intruding mounting parts in the air flow, blade positioning clearly recognizable by frontal axle notch

Silicone-free

Leakage of the housing according to EN 1751 class C

Dimensioning (w x h): 75 – 1300 x 100 – 1200 mm

Serial production of all the dimensions (both width and height) in millimeter steps.

Options:

Infinitely manual adjustment by means of levers or bracket for an actuator

A round shaft Ø 12 mm or a keyed connection (a square) can be chosen

Blades coupling with external linkage, optionally moving in the opposite or the same direction.

Frame profiles and flange drillings on demand

Blade bearings for different ranges of temperature or use made from PTFE, brass or ball bearings

ATEX execution according to Regulation 2014/34/EU ( II 2GD c II B TX)

Powder-coated, color according to RAL standards

Hygiene dampers according to Regulation VDI 6022

Blades and frames in aluminum or stainless steel (INOX 304 or 316)

### **Multi-leaf damper, standard, blade 165 mm - JS, no. 251:**

Manufacturer: AEROTECHNIK E. Siegart

Type: JS, no. 251

Rectangular multi-leaf damper for regulating the air flows, frames and blades in galvanized steel, blade width 165 mm wide designed as torsion-proof hollow profiles, blade coupling system consisting of one-side arranged internal aluminum gears, bearing axle in galvanized steel, bearing made from polyamide maintenance-free and airtight.

Specification of a product:

Stable and torsion-proof welded frames, good cleanability, without intruding mounting parts in the air flow, blade positioning clearly recognizable by frontal axle notch.

Silicone-free

Leakage of the housing according to EN 1751 class C

Dimensioning (w x h): 75 – 2000 x 165 – 2000 mm

Serial production of all the dimensions (both width and height) in millimeter steps.

Options:

Infinitely manual adjustment by means of levers or bracket for an actuator

A round shaft Ø 12 mm or a keyed connection (a square) on demand

Blades coupling with external linkage, optionally moving in the opposite or the same direction.

Frame profiles and flange drillings on demand

Blade bearings for different ranges of temperature or use, made from PTFE, brass or ball bearings

ATEX execution according to Regulation 2014/34/EU ( II 2GD c II B TX... )

Powder-coated, color according to RAL standards

Hygiene dampers according to Regulation VDI 6022

Blades and frames in aluminum or stainless steel (INOX 304 or 316)

### **Multi-leaf damper airtight according to DIN EN 1751 class 4, blade 100 mm - JL, no. 254:**

Manufacturer: AEROTECHNIK E. Siegart

Type: JL, no. 254

Rectangular multi-leaf damper for regulating the air flows and shutting the air ducts, airtight according to DIN EN 1751 class 4, frames and blades in galvanized steel, blade width 100 mm wide designed as torsion-proof hollow profiles, blades with lip sealing made from EPDM, blade ends with sealing in EPDM on both ends, airtight stop on the upper and lower frame, blade coupling system consisting of one-side arranged internal aluminum gears, bearing axle in galvanized steel, bearing made from polyamide maintenance-free and airtight.

Specification of a product:

Stable and torsion-proof welded frames, good cleanability, without intruding mounting parts in the air flow, blade positioning clearly recognizable by frontal axle notch.

Silicone-free

Leakage of the housing according to EN 1751 class C

Dimensioning (w x h): 75 – 1200 x 100 – 1200 mm

Serial production of all the dimensions (both width and height) in millimeter steps.

Options:

Infinitely manual adjustment by means of levers or bracket for an actuator

A round shaft Ø 12 mm or a keyed connection (a square) can be chosen

Blades coupling with external linkage, optionally moving in the opposite or the same direction.

Frame profiles and flange drillings on demand

Blade bearings for different ranges of temperature or use made from PTFE, brass or ball bearings

ATEX execution according to Regulation 2014/34/EU ( II 2GD c II B TX )

Powder-coated, color according to RAL standards

Hygiene dampers according to Regulation VDI 6022

Blades and frames in aluminum or stainless steel (INOX 304 or 316)

### **Multi-leaf damper airtight according to DIN EN 1751 class 4, blade 165 mm - JL, no. 255:**

Manufacturer: AEROTECHNIK E. Siegart

Type: JL, no. 255

Rectangular multi-leaf damper for regulating the air flows and shutting the air ducts, airtight according to DIN EN 1751 class 4, frames and blades in galvanized steel, blade width 165 mm wide designed as torsion-proof hollow profiles, blades with lip sealing made from EPDM, blade ends with sealing in EPDM on both ends, airtight stop on the

upper and lower frame, blade coupling system consisting of one-side arranged internal aluminum gears, bearing axle in galvanized steel, bearing made from polyamide maintenance-free and airtight.

Specification of a product:

Stable and torsion-proof welded frames, good cleanability, without intruding mounting parts in the air flow, Blade positioning clearly recognizable by frontal axle notch.

Silicone-free

Leakage of the housing according to EN 1751 class C

Dimensioning (w x h): 75 – 1600 x 165 – 2000 mm

Serial production of all the dimensions (both width and height) in millimeter steps.

Options:

Infinitely manual adjustment by means of levers or bracket for an actuator

A round shaft Ø 12 mm or a keyed connection (a square) can be chosen

Blades coupling with external linkage, optionally moving in the opposite or the same direction.

Frame profiles and flange drillings on demand

Blade bearings for different ranges of temperature or use made from PTFE, brass or ball bearings

ATEX execution according to Regulation 2014/34/EU ( II 2GD c II B TX)

Powder-coated, color according to RAL standards

Hygiene dampers according to Regulation VDI 6022

Blades and frames in aluminum or stainless steel (INOX 304 or 316)

### **Multi-leaf damper, standard according to DIN EN 1751 class 2, blade 100 mm - JS, no. 256:**

Manufacturer: AEROTECHNIK E. Siegart

Type: JS, no. 256

Rectangular multi-leaf damper for regulating the air flows and shutting the air ducts, airtight according to DIN EN 1751 class 2, frames and blades in galvanized steel, blade width 100 mm wide designed as torsion-proof hollow profiles, blades with lip sealing made from EPDM, blade ends with sealing in EPDM on one end, airtight stop on the upper and lower frame, blade coupling system consisting of one-side arranged internal aluminum gears, bearing axle in galvanized steel, bearing made from polyamide maintenance-free and airtight.

Specification of a product:

Stable and torsion-proof welded frames, good cleanability, without intruding mounting parts in the air flow, blade positioning clearly recognizable by frontal axle notch.

Silicone-free

Leakage of the housing according to EN 1751 class C

Dimensioning (w x h): 75 – 1200 x 100 – 1200 mm

Serial production of all the dimensions (both width and height) in millimeter steps.

Options:

Infinitely manual adjustment by means of levers or bracket for an actuator

A round shaft Ø 12 mm or a keyed connection (a square) can be chosen

Blades coupling with external linkage, optionally moving in the opposite or the same direction.

Frame profiles and flange drillings on demand

Blade bearings for different ranges of temperature or use made from PTFE, brass or ball bearings

ATEX execution according to Regulation 2014/34/EU ( II 2GD c II B TX)

Powder-coated, color according to RAL standards

Hygiene dampers according to Regulation VDI 6022

Blades and frames in aluminum or stainless steel (INOX 304 or 316)

### **Multi-leaf damper, standard according to DIN EN 1751 class 2, blade 165 mm - JS, no. 257:**

Manufacturer: AEROTECHNIK E. Siegart

Type: JS, no. 257

Rectangular multi-leaf damper for regulating the air flows and shutting the air ducts, airtight according to DIN EN 1751 class 2, frames and blades in galvanized steel, blade width 165 mm wide designed as torsion-proof hollow

profiles, blades with lip sealing made from EPDM, blade ends with sealing in EPDM on one end, airtight stop on the upper and lower frame, blade coupling system consisting of one-side arranged internal aluminum gears, bearing axle in galvanized steel, bearing made from polyamide maintenance-free and airtight.

Specification of a product:

Stable and torsion-proof welded frames, good cleanability, without intruding mounting parts in the air flow, Blade positioning clearly recognizable by frontal axle notch.

Silicone-free

Leakage of the housing according to EN 1751 class C

Dimensioning (w x h): 75 – 1600 x 165 – 2000 mm

Serial production of all the dimensions (both width and height) in millimeter steps.

Options:

Infinitely manual adjustment by means of levers or bracket for an actuator

A round shaft Ø 12 mm or a keyed connection (a square) can be chosen

Blades coupling with external linkage, optionally moving in the opposite or the same direction.

Frame profiles and flange drillings on demand

Blade bearings for different ranges of temperature or use made from PTFE, brass or ball bearings

ATEX execution according to Regulation 2014/34/EU ( II 2GD c II B TX...)

Powder-coated, color according to RAL standards

Hygiene dampers according to Regulation VDI 6022

Blades and frames in aluminum or stainless steel (INOX 304 or 316)

### **Weather resistant louver - WG, no. 260:**

Manufacturer: AEROTECHNIK E. Siegart

Type: WG, no. 260

Rectangular weather resistant louver providing protection against rain and the ingress of leaves and birds into the ventilation system, with frames and aerodynamically shaped, fixed, horizontal blades (blade division 55 mm/72 % free cross section) made from extruded aluminum profile, with smooth tray and a constant drip nose which covers the overall width, blade execution for low pressure loss. Including permanently mounted protective grille made of galvanized corrugated wire (mesh size about 16 x 16 mm).

Options:

- Blade division 27,5 mm (50 % free cross section) , WG, no. 261

### **Volume flow controller constant, circular, for low flow rates - VRK-N, no. 232:**

Manufacturer: AEROTECHNIK E. Siegart

Type: VRK-N , no. 232

The circular constant volume flow controller for regulating the constant volume flow in the ventilation systems, self-regulating, mechanical, in a compact form with push-fit ends and lip sealing made from EPDM. Air flow factory preset and tested for function, manually adjustable by the customer via a scale, high accuracy, smooth running control plate in airtight position, up to maximum pressure difference of 500 Pa, air flow 3:1; operating temperature range –30°C to +100°C, non-ageing, maintenance-free and irrespective of position.

Laser-welded housing made of galvanized steel, without overlapping; control plate and vibration damper made of aluminum, internal friction bearings made of PTFE.

Airtightness of the push-fit ends according to DIN EN 12237 class D, leakage of housing according to DIN EN 1751 class C.

6 nominal diameters from 80 – 250 mm

Volume flow range: 25 – 800 m<sup>3</sup>/h

Options:

Insulation layer 25 or 50 mm and sheet metal coating

PUR coating according to RAL

Electronic or pneumatic actuator

ATEX execution according to Regulation 2014/34/EU

Stainless steel INOX 304 or 316.

### **Volume flow controller constant, circular - VRK, no. 233:**

Manufacturer: AEROTECHNIK E. Siegart

Type: VRK-N , no. 233

The circular constant volume flow controller for regulating the constant volume flow in ventilation systems, self-regulating, mechanical, in a compact form with push-fit ends with lip sealing made from EPDM. Air flow factory preset and tested for function, manually adjustable by the customer via a scale, high accuracy, smooth running control plate in airtight position, pressure difference range from 50 Pa to 1000 Pa, air flow 3:1; operating temperature range -30°C to +100°C, non-ageing, maintenance-free and irrespective of position.

Laser-welded housing made of galvanized steel, without overlapping; control plate and vibration damper made of aluminum, internal friction bearings made of PTFE.

Airtightness of the push-fit ends according to DIN EN 12237 class D, leakage of housing according to DIN EN 1751 class C.

13 nominal diameters from 80 – 400 mm

Volume flow range: 40 – 5.000 m<sup>3</sup>/h

Options:

Insulation layer 25 or 50 mm and sheet metal coating

PUR coating according to RAL

Electronic or pneumatic actuator

ATEX execution according to Regulation 2014/34/EU

Stainless steel INOX 304 or 316.

### **Volume flow controller constant, rectangular - VRRK, no. 500:**

Manufacturer: AEROTECHNIK E. Siegart

Type: VRRK, no. 500

Rectangular, constant volume flow controller for regulating the constant volume flow in ventilation systems, mechanical, self-regulating, flange C30, flow rate factory-preset and tested for function, manual setting of the flow rate by the customer via a scale, high accuracy of the volume flow, smooth-running and air-tightly installed control plate, range of static pressure difference 50 Pa to 100 Pa, range of volume flow 3:1; range of temperature -30°C to +100°C, non-ageing, maintenance-free and irrespective of position.

Housing made from galvanized steel, control plate and vibration damper made from aluminum, internal bearings made from PTFE, leakage of housing according to DIN EN 1751 class C.

Air flow velocity: 2,8 to 10 m/s depending on the dimension

Volume flow range: 200 to 13.000 m<sup>3</sup>/h depending on dimension

In the range of width 150 -600 mm x height 150x300 mm available any dimensions.

Options:

Insulation layer 30 mm and sheet metal coating

PUR coating according to RAL

Electronic or pneumatic actuator

ATEX execution according to Regulation 2014/34/EU

Stainless steel INOX 304 or 316.

### **Electronically regulating volume flow controller, circular, with measuring nozzle - VRME, no. 300:**

Manufacturer: AEROTECHNIK E. Siegart

Type: VRME, no. 300

Circular electronically regulating volume flow controller for adjusting the variable volume flow in the ventilation system, in a compact form with housing and a measuring nozzle in galvanized steel, housing laser-welded without overlapping, with integrated measuring nozzle and mounted actuator and controller; control plate with non-ageing silicone sealing, push-fit ends with lip sealing made from EPDM, shaft feedthrough of control plate is located in a maintenance-free and airtight screwing, in flow direction airtight according to DIN EN 1751 class 4 for pressure up to 1000 Pa, positioning clearly recognizable by frontal axle notch, push-fit ends airtight according to DIN 12237 class D, leakage of a housing according to DIN EN 1751 class C. Flow rate factory preset and/or programmed and tested for function.

18 nominal diameters 100 mm to 630 mm

Range of temperature: 0°C to +50° C

Volume flow range: 38 – 8.400 m<sup>3</sup>/h depending on the manufacturer of a controller

Differential pressure: 50 to 1.000 Pa

Air velocity: about 1,5 to 10 m/s up to NW 400, starting from NW 400 about 1,5 to 7,5 m/s

Add-on components:

Electronic actuator Belimo LMV-D3-MP (5Nm) up to NW 450 / NMV-D3-MP (10Nm) starting from NW 500

Supply voltage 24 V AC/DC, 50/60 Hz

Dynamic pressure sensor

Command signal 2V-10V

Adjustable volume flow „Vmin“, „Vmax“ or „Closed“

Possible adjustment of the preset volume flow by the customer.

VAV universal controller (dynamic or static)

VAV regulatory system for sensitive working areas with high-speed damper actuator

Standard compact controller with static differential pressure measurement

Compact controller Pharma with static differential pressure measurement and high-speed damper actuator

Pneumatic volume flow controller

Explosion-protected EX electronic or pneumatic volume flow controller with ATEX-certification for use in hazardous areas of zone 1.

Options:

Insulation layer 25 or 50 mm and galvanized steel sheet

PUR-coating according to RAL

ATEX execution according to Regulation 2014/34/EU

Stainless steel INOX 304 or 316.

### **Volume flow controller, circular, with measuring sticks - VRSE, no. 600:**

Manufacturer: AEROTECHNIK E. Siegart

Type: VRSE, no. 600

Circular electronic volume flow controller for regulating of variable volume flows in the ventilation system, with a compact form with a housing made from galvanized steel, laser-welded without overlapping, with measuring sticks made from aluminum and mounted actuator and controller; control plate with non-ageing silicone sealing, spigot ends with lip sealing made from EPDM, shaft feedthrough of the control plate located in maintenance-free and airtight screwing, in flow direction airtight according to DIN EN 1751 class 4 for pressure up to 100 Pa, volume flow range 12:1,4; airtightness of spigot connection according to DIN 12237 class D, leakage of a housing according to DIN EN 1751 class C. Flow rate factory preset and/or programmed and tested for function.

15 nominal diameters 80 – 400 mm

Range of temperature: 0°C to +50° C

Volume flow range: 25 – 5.400 m<sup>3</sup>/h depending on the manufacturer of a controller

Differential pressure range: 20 to 1.000 Pa

Air velocity: about 1,4 to 12 m/s

Add-on components:

Electronic compact controller Belimo LMV-D3-MP (5Nm) up to NW 450



Supply voltage 24 V AC/DC, 50/60 Hz  
Dynamic pressure sensor  
Command signal 2V-10V  
Adjustable volume flow „Vmin“, „Vmax“ or „Closed“  
Possible adjustment of the preset volume flow by the customer.

VAV universal controller (dynamic or static)

VAV regulatory system for sensitive working areas with high-speed damper actuator

Standard compact controller with static differential pressure measurement

Compact controller Pharma with static differential pressure measurement and high-speed damper actuator

Pneumatic volume flow controller

Explosion-protected EX electronic or pneumatic volume flow controller with ATEX-certification for use in hazardous areas of zone 1.

Options:

Insulation layer 25 or 50 mm and galvanized steel sheet

PUR-coating according to RAL

ATEX execution according to Regulation 2014/34/EU

Stainless steel INOX 316.

## **Electronically regulating volume flow controller, rectangular - VRRME, no. 400-1 standard:**

Manufacturer: AEROTECHNIK E. Siegart

Type: VRRME, no. 400-1

Rectangular electronically regulating volume flow controller for regulating of variable volume flow in the ventilation system, with flange C30-profile (C30), with integrated measuring nozzle and mounted actuator and controller; with standard multi-leaf damper, airtight according to EN 1751 class 1, corrosion protected, with non-ageing sealing made of EPDM. Blade coupling system consisting of one-side arranged internal aluminum gears. Housing, measuring nozzles and hollow blades made from galvanized steel sheet. Leakage of housing according to EN 1751 class C. Flow rate factory preset and/or programmed and tested for function.

Production of dimensions 100-1.200 wide x 100-1.000 high in millimeter steps.

Range of temperature: 0°C to +50° C

Volume flow range: 38 – 31.500 m<sup>3</sup>/h depending on a manufacturer of a controller

Differential pressure range: 50 to 1.000 Pa

Air velocity: about 1,5 to 10 m/s depending on the measuring nozzles used.

Add-on components:

Electronic compact controller Belimo LMV-D3-MP (5Nm) / NMV-D3-MP (10Nm) depending on torque moment of the multi-leaf damper

Supply voltage 24 V AC/DC, 50/60 Hz

Dynamic pressure sensor

Command signal 2V-10V

Adjustable volume flow „Vmin“, „Vmax“

Possible adjustment of the preset volume flow by the customer.

VAV universal controller (dynamic or static)

VAV universal controller (dynamic or static)

VAV regulatory system for sensitive working areas with high-speed damper actuator

Standard compact controller with static differential pressure measurement

Compact controller Pharma with static differential pressure measurement and high-speed damper actuator

Pneumatic volume flow controller

Explosion-protected EX electronic or pneumatic volume flow controller with ATEX-certification for use in hazardous areas of zone 1.

Options:

Blades coupling with external linkage, optionally moving in the opposite or the same direction.

Insulation layer 30 mm and galvanized steel sheet

PUR-coating according to RAL

ATEX execution according to Regulation 2014/34/EU

Stainless steel INOX 304 or 316.

## **Electronically regulating volume flow controller, rectangular - VRRME, no. 400-2 airtight:**

Manufacturer: AEROTECHNIK E. Siegart

Type: VRRME, no. 400-2

Rectangular electronically regulating volume flow controller for regulating of variable volume flow in the ventilation system, with flange C30-profile (C30), with integrated measuring nozzle and mounted actuator and controller; with airtight multi-leaf damper, airtight according to EN 1751 class 4, corrosion protected, with non-ageing sealing made of EPDM. Blade coupling system consisting of one-side arranged internal aluminum gears. Housing, measuring nozzles and hollow blades made from galvanized steel sheet. Leakage of housing according to EN 1751 class C. Flow rate factory preset and/or programmed and tested for function.

Production of dimensions 100-1.200 wide x 100-1.000 high in millimeter steps.

Range of temperature: 0°C to +50° C

Volume flow range: 38 – 31.500 m<sup>3</sup>/h depending on a manufacturer of a controller

Differential pressure range: 50 to 1.000 Pa

Air velocity: about 1,5 to 10 m/s depending on the measuring nozzles used.

Add-on components:

Electronic compact controller Belimo LMV-D3-MP (5Nm) / NMV-D3-MP (10Nm) / SMV-D3-MP (20Nm) depending on torque moment of the multi-leaf damper

Supply voltage 24 V AC/DC, 50/60 Hz

Dynamic pressure sensor

Command signal 2V-10V

Adjustable volume flow „Vmin“, „Vmax“, “Closed”.

Possible adjustment of the preset volume flow by the customer.

VAV universal controller (dynamic or static)

VAV regulatory system for sensitive working areas with high-speed damper actuator

Standard compact controller with static differential pressure measurement

Compact controller Pharma with static differential pressure measurement and high-speed damper actuator

Pneumatic volume flow controller

Explosion-protected EX electronic or pneumatic volume flow controller with ATEX-certification for use in hazardous areas of zone 1.

Options:

Blades coupling with external linkage, optionally moving in the opposite or the same direction.

Insulation layer 30 mm and galvanized steel sheet

PUR-coating according to RAL

ATEX execution according to Regulation 2014/34/EU

Stainless steel INOX 304 or 316.