ATEX DAMPER

EX-approved according to
the ATEX Directive 2014/34/EU

DAMPERS &
MEASURING DAMPERS

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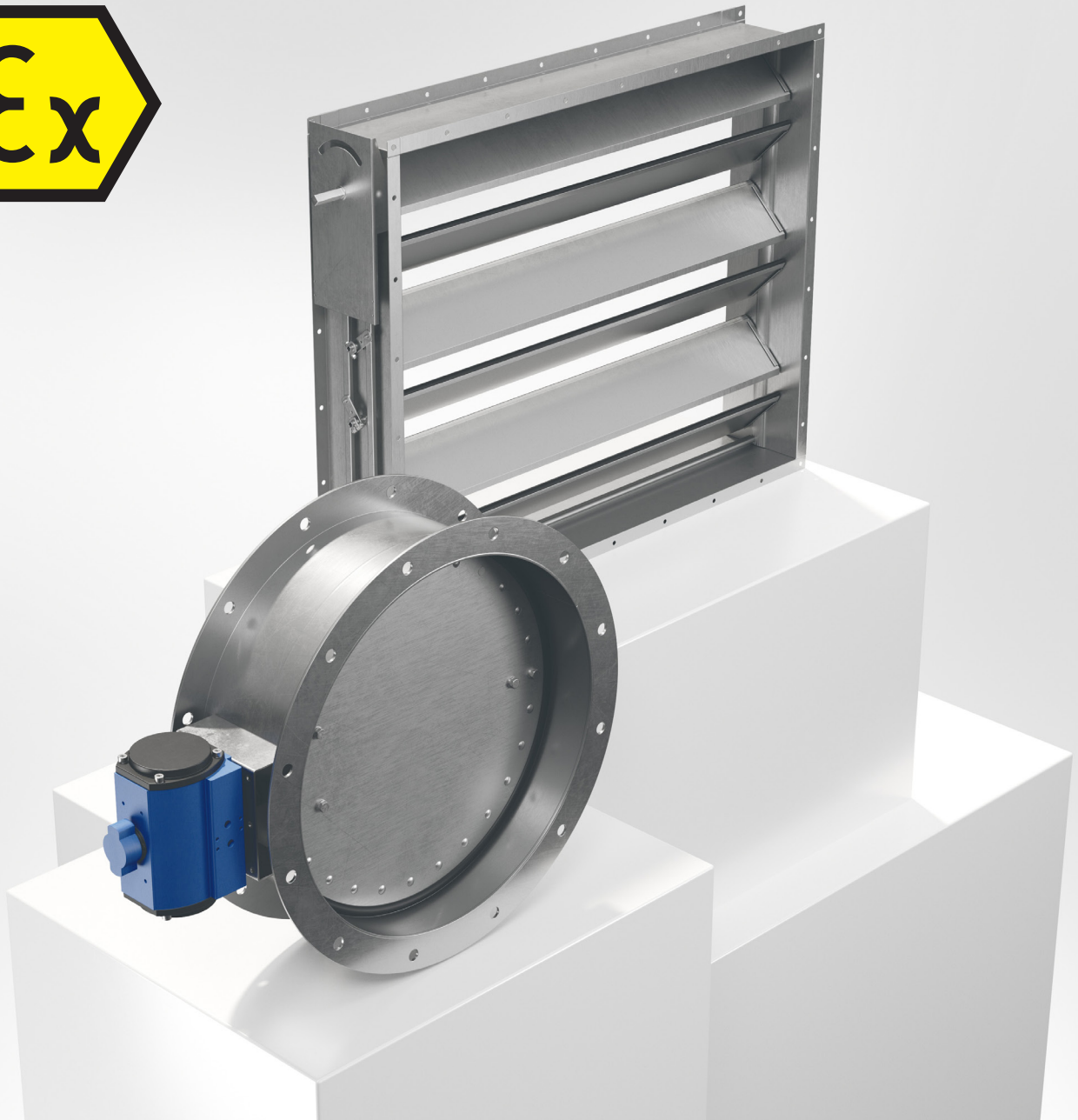
BEVENT RASCH

Dampers EX-approved according to the ATEX Directive 2014/34/EU

Bevent Rasch can now offer a complete range of EX-approved dampers in accordance with the ATEX Directive 2014/34/EU. The ATEX classification of Bevent Rasch's dampers provides a high level of security for you both during the design phase and throughout operation.

Through voluntary certification of the dampers by SP (the Swedish National Testing and Research Institute) in Borås, all involved parties can be assured that they are approved for use within the specified areas.
Zone 1, 2 (Gas, Mist, Vapour) & Zone 21, 22 (Dust)
II 2GD IIC T6 -20°C ≤ Tamb ≤ 70°C

Like the rest of the damper range, Bevent Rasch's EX-dampers are intended for regulation, balancing, or shut-off of air or gas flow in an industrial process where ATEX-approved components are required.

The dampers can be supplied in circular design from Ø 100 up to Ø 630 mm, in pressure classes B–D and tightness classes 1–4. In rectangular design, they are available from 150 × 150 mm up to the size required for your application, in pressure classes B & C and tightness classes 1–4.

The dampers can be manufactured in a range of different materials to suit your specific needs.

Motors in ATEX design

For actuation of dampers in EX-classified areas, we can offer a range of different options, both electric and pneumatic.

This is made possible through cooperation with damper actuator manufacturers with extensive experience in the field.

All products are tested and certified in accordance with applicable laws and standards – ATEX 2014/34/EU for Ex zones 1, 2, 21 and 22 with respect to gases, mists, vapours, and dust.

These motors can be supplied either fully mounted on our ATEX-approved dampers or as separate components.

EXTB, -TC & -TD
Circular throttle dampers, EX-approved according to the ATEX Directive 2014/34/EU.

Application
The EX-dampers are intended for regulation, balancing, or shut-off of air or gas flow in an industrial process where ATEX-approved components are required.

Zone 1, 2 (Gas, Mist, Vapour)
Zone 21, 22 (Dust)
II 2GD IIC T6 -20°C ≤ Tamb ≤ 70°C

Size
Ø 100-630 mm

Operating pressure

Pressure class B, max 2.5 kPa differential pressure across a closed damper.

Pressure class C, max 5 kPa differential pressure across a closed damper.

Pressure class D, max 10 kPa differential pressure across a closed damper.

Tightness class
According to VVS-AMA 98
Class 1
Class 2
Class 3
Class 4

Material
The dampers can be manufactured in different materials to suit your needs, for example, galvanised, aluzinc, Stainless AISI 3041 – EN 1.4301, Stainless AISI 316L – EN 1.4404, etc.

Specification
Specification codes for EXTB, EXTC and EXTD
Use the same specification codes as for the products BRTB, BRTC and BRTD.
Regarding dimensional drawings, etc., refer to the products BRTB, BRTC and BRTD.

EXJB & -JC
Rectangular louvre dampers, EX-approved according to the ATEX Directive 2014/34/EU.

Application
The EX-dampers are intended for regulation, balancing, or shut-off of air or gas flow in an industrial process where ATEX-approved components are required.

Zone 1, 2 (Gas, Mist, Vapour)
Zone 21, 22 (Dust)
II 2GD IIC T6 -20°C ≤ Tamb ≤ 70°C

Size
From 150 × 150 mm up to 2000 × 2000 mm.

For sizes above this, the dampers are built in modules, allowing them to fit virtually any application.

Operating pressure
Pressure class B, max 2.5 kPa differential pressure across a closed damper.

Pressure class C, max 5 kPa differential pressure across a closed damper.

Tightness class
According to VVS-AMA 98
Class 1
Class 2
Class 3
Class 4

Material
The dampers can be manufactured in a range of different materials to suit your requirements, e.g. galvanised steel, Aluzinc, SS2333, SS2343, etc.

Specification
Specification codes for EXJB and EXJC, use the same specification codes as for the products BRJB and BRJC.
Regarding dimensional drawings, etc., refer to the products BRJB and BRJC.