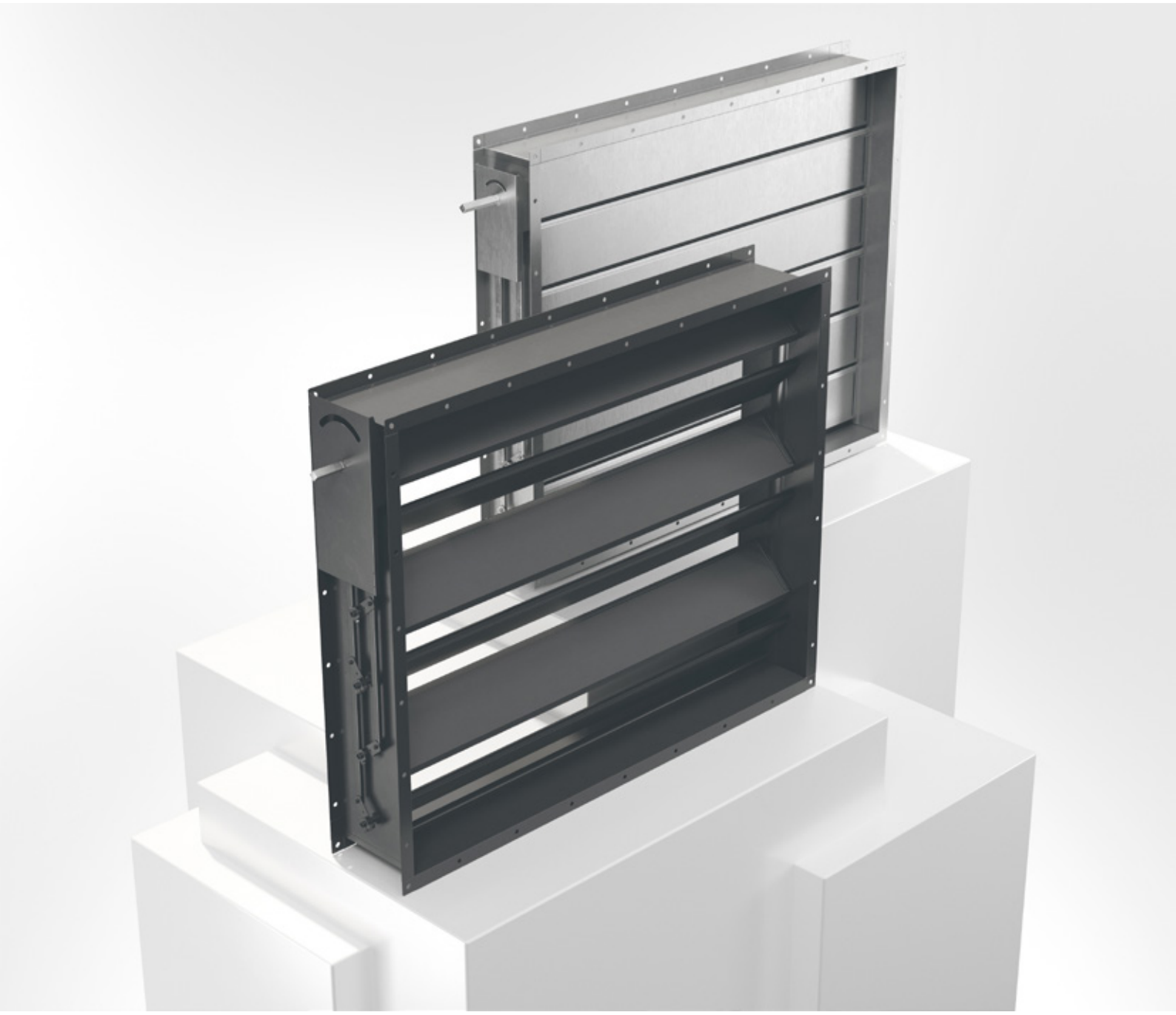
# BRJD

## Louvre damper

DAMPERS &
MEASURING DAMPERS



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www.bevent-rasch.com

BEVENT RASCH

*High pressure damper, manufactured to withstand pressure over 10.000 Pa.*

*Internal actuator. Service of the actuator is conducted via an inspection panel in the side of the damper.*

## Quick facts

- Pressure class D according to customer requirements
- Air tightness classes 1-4
- Sizes 200-200 to 2000-2000
  Larger dampers can be built in modules.
- Available with insulated damper blades
- Galvanized sheet steel or stainless steel
- Flange connection only
- Max temperature 70 alt. 225 (only air tightness class 1)
- Available with protected linkage at isolated air ducts
- Complete with bracket intended for actuator or with fitted lever control or actuator

## Use

Regulation, adjustment or closing of air or gas flows in an industrial process or the like where there are extremely high requirements for pressure rating, corrosion resistance, and heat r esistance etc. The damper is therefore not intended to be used for conventional comfort purposes but can in the most simple versions be used to advantage in air conditioning plants within industry, where there are high requirements for operating reliability and compressive strength. The damper is not standardised in terms of its component parts but is manufactured as far as possible according to customer specifications.

## Sizes

The damper can built in modules, which permits a flexible range of sizes and enables very large damper areas.

## Air tightness classes

The service conditions govern which air tightness the damper is manufactured for.

## Service pressure

Dampers for max. service pressure of 10,000 Pa over closed damper have been manufactured.

## Service temperature

The maximum service temperature is generally limited by the manufacturing material. Consideration must also be taken to the sheering strain which occur during powerful heating, often resulting in the distortion of the complete damper unless measures are taken to prevent this. The size of the damper is also important.

## Design

Since the design of BRJD is based on customer requirements we do not include a special version in this part of the catalogue. However, here are a small selection of versions with explanatory text.

## Material and surface treatment

The damper can be manufactured in the following alternative materials:

| *Housing, blades and spindles* * | *Sliding bearings* | *Ball bearings* |
|---|---|---|
| Sheet steel | Nylon | Steel |
| Galvanised sheet steel | Stainless | Stainless |
| Magnelis | Stainless, acid resistant | |
| Aluzinc | Brass | |
| Stainless, acid resistant sheet steel | | |

* Spindles galvanized or stainless

## Accessories

In addition to the accessories shown on the website, the damper can be adjusted to completely different applications, according to customer requirements.

## Specification

Since damper BRJD is manufactured according to customer specifications it is not possible to establish a product code. However, the check list below shows important parameters to take into consideration when establishing a specification of requirements.

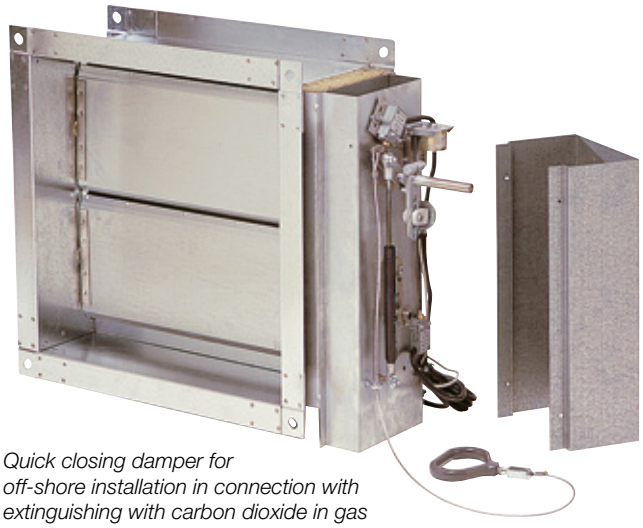
**Dimension:**
Width x Height x Depth, mm

**Air tightness requirements:**
Permissible air leakage flow rate through the damper shell in L/s x m2 surround area.

**Service environment:**
- Max. and min. temperature, °C
- Max. pressure, Pa
- Service pressure, Pa
- Relative humidity, g/kg
- Environmental class as per AMA, M2-M4
- Corrosive substances on outside and inside of damper:
  – type..... conc..... %
  – type..... conc..... %
  – type..... conc..... %
- Explosion zone, 1, 2 or 3 - as per regulations of the National Swedish Inspectorate of Explosives and Flammables.

**Operating:**
- Hand control
- Lever
- Actuator
- Switching time, closing and opening

**Miscellaneous:**
Short description of the damper's service mode, positioning/application in the plant or process, and where appropriate sound requirements or other conditions which may be of importance for the performance of the damper.



*Quick closing damper for off-shore installation in connection with extinguishing with carbon dioxide in gas turbine plant.*

*Damper for explosive classed areas. Each part is separately earthed and connected to central earthing in the chassis.*

*Damper for air intake with heat insulating blades.*

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