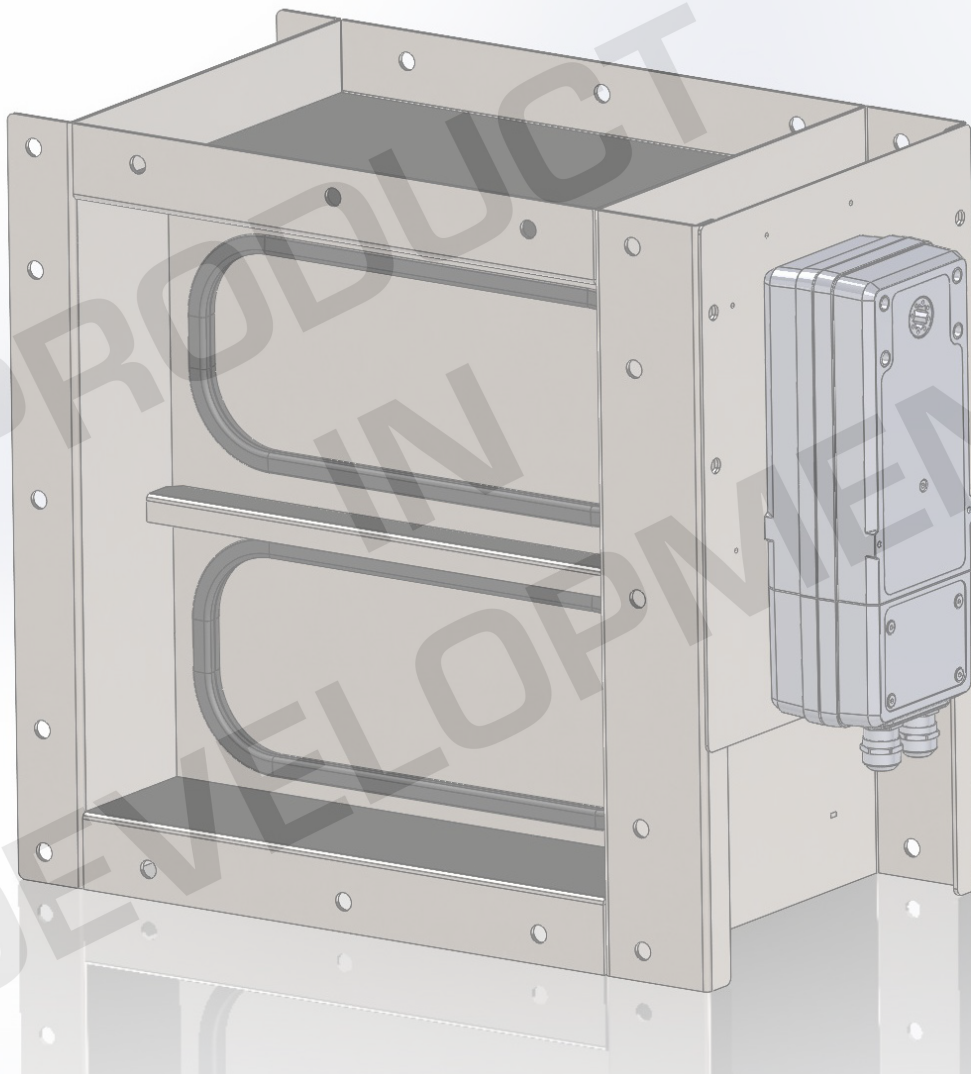


Class 4 Fire Damper

Wozair's newest damper off the ranks!

The exciting new Class 4 Damper design is suited to many different uses and applications requiring low leakage.

Class 4 Leakage is supplied throughout the damper range.



Class 4 Damper

Manufactured using modern CNC laser cutting and folding processes, and the use of flexible EPDM seals on each blade provides Class 4 Leakage throughout the damper size range (direction: air-on only)

Technical Information

Minimum Size

200 W x 200 H x 300 D mm

Maximum Size

1000 W x 1000 H x 300 D mm

Leakage

Closed blade leakage to Class 4 @ 3000 Pa. (direction: air-on only).

E.g. 800 W x 800 H x 300 D tested at 3000 Pa. measured at 2.5 (l/s/m²) - Class 4 maximum is 10.65 (l/s/m²)

Testing to higher pressures is pending.

Materials of Construction

Construction

Fully welded damper in accordance with Wozair's Welding Procedure Specifications (WPS)

Casing and Flanges:

Materials

Stainless Steel 304L/316L (1.4307/1.4404)

Thickness

3mm

Fully Welded

Flanges:

Flange drilling detail to ISO 15138 standard
Custom flanges as option

Blades:

Materials

Stainless Steel 304L/316L (1.4307/1.4404)

Thickness

3 mm single skin

Blades bolted to stub shafts

Shafts:

Ø19.0 mm (3/4") stub shaft in Stainless Steel 316L

Bearings:

Nuclear impregnated sintered bronze - oilite.

Linkage:

Stainless Steel 316L (1.4404)

5.0 mm thick link bars arranged to provide parallel blade motion

Blade Gasket:

Foam rubber EPDM; clamping seal profile EPDM 65 ± 5 Shore A black

Control Options

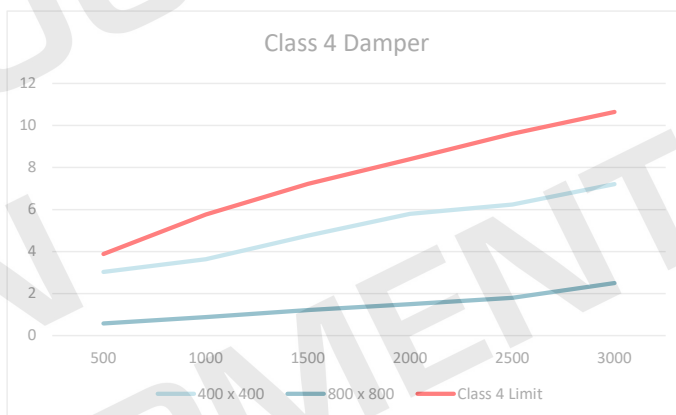
Wozair dampers can be operated manually, with electric or pneumatic actuators. The pneumatic and electric controls will be selected based on your exacting requirements.

Performance Data

Pressure test with blades closed with air onto the blades (pushing them shut). This was tested from 500-3000 Pa – all passed.

Blade Leakage test was conducted for an 800 W x 800 H x 300 D damper as well as a 400 W x 400 H x 300 D damper. Please see the results below.

Static (Plenum) Pressure is measured in Pa and Damper Leakage is measured in (l/s/m²). Testing to a higher pressure level is pending.



Product Image

