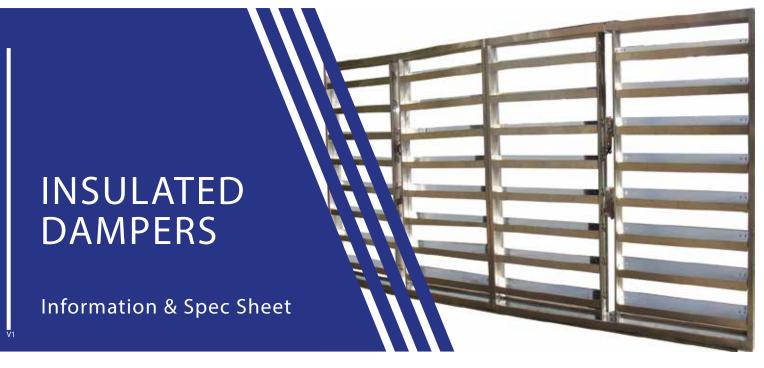
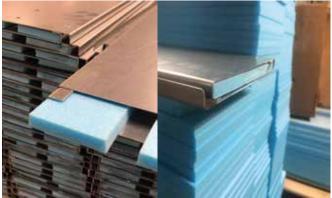


sales@engineeredairtreatment.co.uk





DESIGN

Insulated Dampers are designed to control airflows through building and generator housing. They can protect Containers from Ingress of Water, Dust and assist with protection from the Cold.

The robust Frames of 2mm means they are suitable for heavy Duty assemblies as well as lighter HVAC installations. Our Damper designs have been tried and tested for over 35 years.



All Engineered Air Treatment
Damper designs have been tried
and tested for over 35 years.

FEATURES

- Manufactured from tried & tested designs
- Flexible Flange arrangements and depth requirements
- Dampers Mechanism is easily accessible for Maintenance
- Dampers in Dry environment have very little maintenance requirements
- 2 Year warranty from date of despatch, actuators have 5 years warranty
- Excellent Customer Service from Engineers that have manufactured the dampers they sell. Our Sales staff have over 30 years' experience.
- Low Leakage to Minimise Grafts

All materials used are class 'A' Fully traceable as part of ISO 9001





STANDARD LAYOUT

MATERIALS Pre-Galvanised M.S. to BS EN 10346 2015 DX51D

CASING 2mm Fully Welded and Cleaned for Smoother finish Coated in silver enamel

OD8 (C3 Class top coat)

 $1 mm~^\prime Z^\prime$ Type Double Skinned, Lined with 10 mm~ thick Styrofoam $0.323 m^2~k/w$ parallel opening standard C/W Seals **BLADES**

SHIMS Yes, ST/ST

SPINDLES BZP

HARDWARE BZP

BUSHES Nylon Bushes

MESH 1/2" x 16g Mesh Fingerguard ideal for keeping fingers and pests out

INTEGRITY 98% Closed

FINISH Welds Repaired and Coated in Silver enamel QD8 (C3 Class top coat)

OPTIONS FOR MATERIALS

MATERIALS Zintec, Aluminium, marine grade Aluminium, 304, 316 Stainless Steel

CASING 2mm, 3mm to 6mm

1.5mm 'Z' Type Double Skinned, parallel opening standard, Seals **BLADES**

SPINDLES 304 or 316 Stainless Steel

HARDWARE A2 and A4

BUSHES Nylon Bushes, Phosphor Bronze, SFL Bearings, St/st Teflon lined

MESH 1" Sq, 3mm and we can fit security bars

STYROFORM 25mm Thick: 0.806 m² k/w

ADDITIONAL DAMPER INFORMATION

Engineered Air Treatment Ltd. Pride themselves on solving Damper issues and due to the many options available we would recommend contacting our sales team who would also assist where possible.



Standard -30°C to +60°C.



Approx **35Kg's per m**². We can supply lifting eyes if required.



Please see graph overleaf



Minimum 250sq, Maximum 2000sq. The dampers made up in sections.

PRESSURE DROP

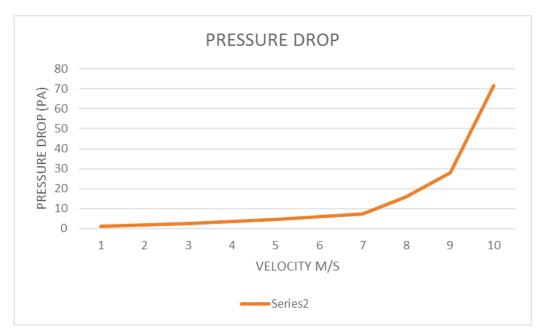
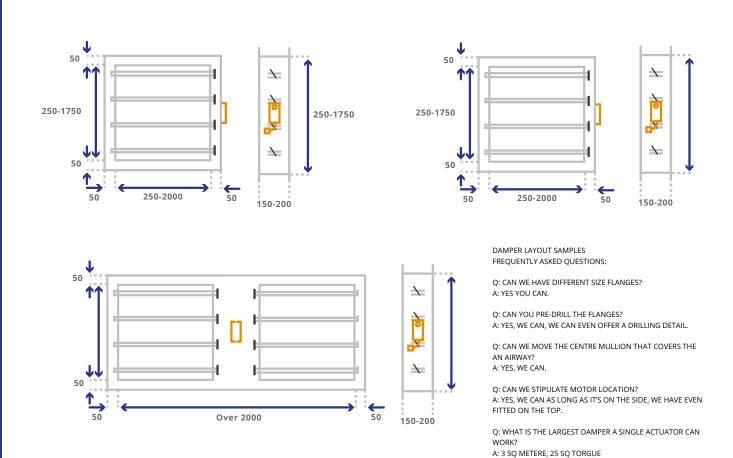


Chart based on Standard Blades and at Air at 15°C

EXAMPLE LAYOUT

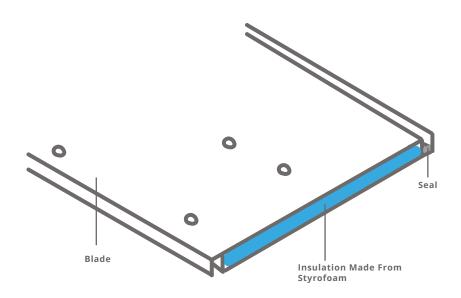


U-VALUES

The U-Value represents the value of the thickness of Styrofoam we fit within the blade amd not the total damper. Further Testing would be required.

ADDITIONAL DAMPER INFORMATION

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OPTIONAL EXTRAS

External Micro switches

Viewing windows

Lifting Eyes.

Relief Flaps Situated on the Blades to release internal pressure.

Mesh Bird Guard and Insect Mesh

Covers over the Actuators and Mechanisms

External visual indicators

Powdercoated Finish

Modulating with Spring return Options on the Actuators

Actuators can be situated in the Airstream if needed

Flanges can be drilled to Suit and be 40mm to 100mm

Fan Plenum boxes can also be supplied to the rear of the Dampers



Engineered Air Treatment are proud of our quality record which allows us to have complete confidence in the products we offer. We adhere to our ISO9001 accreditation and install these values into our valuable employees. This confidence allows us to offer a 2 year warranty with all our products.

We also have complete traceability and files over 20 years old to look back on. We are a can do company.

CE Marking for Standard Motorised Dampers

The CE marking shall be the only marking which attests the conformity of the product with the applicable requirements of the relevant Community harmonisation legislation providing for its affixing"

There is also currently no relevant Community Harmonisation Legislation for a standard damper to adhere to and so CE marking to an official European standard is not possible.

CE Marking is required if dampers are Classed as fire rated safety products or according the building regulation 2016 a supporting the structure of the building, that is unless it comes into the Bespoke construction Section of the legislation and then due care and diligence needs to be illustrated.

This is our own interpretation of the current legislation and would react accordingly if required by law.

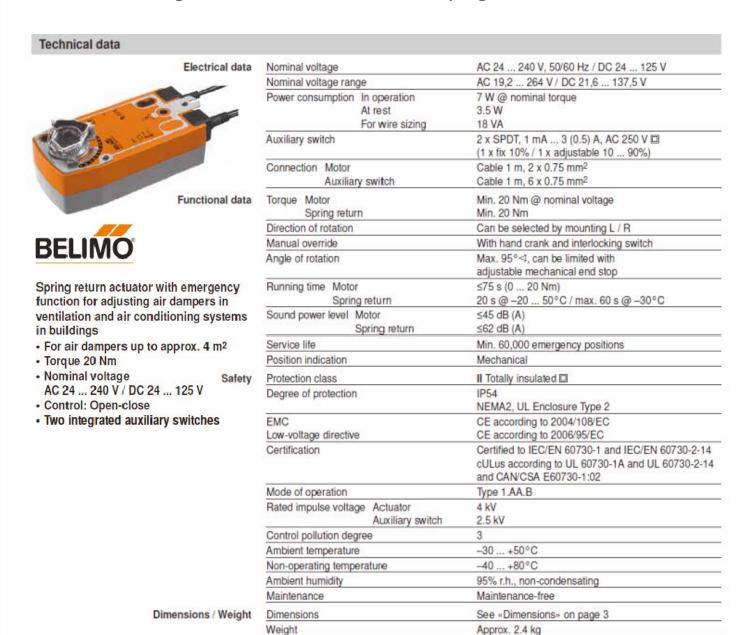
Engineered Air Treatment Ltd are a ISO9001: 2015 certified company, and can offer full material certification and traceability. We can also issue Certificate of Conformity, stating that we have supplied as ordered. We also supply EC Declaration of Incorporation with our products.

ACTUATORS

Standard arrangement is Belimo Dual Voltage Motor Close/Spring open Various Arrange of Actuators can be fitted to the Dampers, Complete Belimo Range, Schischek. Rotork, Pneumatic, hydraulics, Gas Trip close with manual Reset.

Fast Acting Actuators Available

Shischek: In Max Range: Motor is 3/15/30/60 Seconds and Spring is 3 or 10 Sec

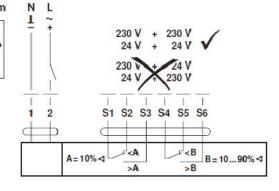


Electrical installation

Wiring diagram

Notes

- Caution: Power supply voltage possible!
- Parallel connection of other actuators possible.
 Note the performance data.



Cable colours: 1 = blue 2 = brown

S1 = violet S2 = red S3 = white

S4 = orange

S6 = grey