

CIRCULAR FLEXIBLE ATTENUATORS

Model References

The comprehensive range of attenuators has been developed to cater for the diverse range of constructional and performance specifications required for our industry

Construction

Circular duct attenuators type CF offer the following construction options:-

- | | |
|----------------------------------|---|
| Protective Inner Facing - | Used to face the acoustic media and improve protection of the acoustic media. |
| Acoustic media - | Controlled density media with a resin bonded tissue to reduce the migration of fibres into the airstream. |
| Casing - | Spiral wound aluminium. |
| Size range - | From 100 mm diameter to 315 mm diameter. |

A secondary codes:-

Flanges

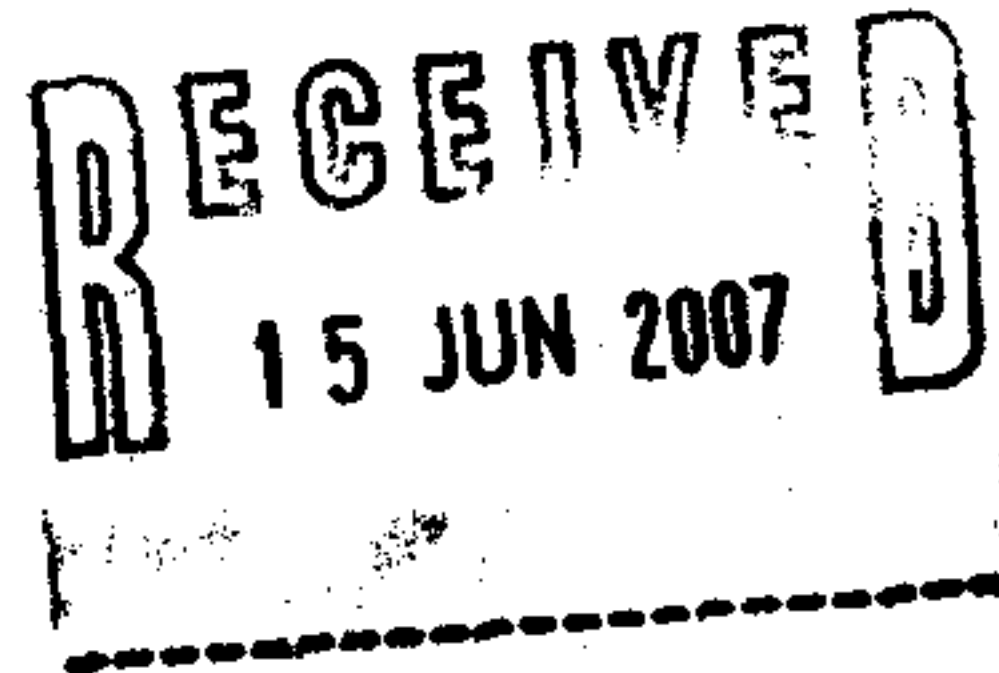
- S** Denotes Spigot flanges.

Pressure

- B** DW142 class B leakage and up to 1000 Pascal's positive pressure or 750 Pascal's negative pressure.

Other

- M** Acoustic media wrapped in melinex. Typically used in systems where grease and/or high moisture levels occur and hospital/clean room applications.
- W** Wrapping of the attenuator ends with polythene to prevent the ingress of rubble on site.



In the interests of continual development and improvement, the company reserves the right to make modifications to these details without notice.

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CIRCULAR DUCT ATTENUATORS

Model References

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Construction

Circular duct attenuators type CD offer the following construction options:-

Perforated sheet steel -	Used to face the acoustic media and improve protection of the acoustic media
Acoustic media -	Controlled density media with a resin bonded tissue to reduce the migration of fibres into the airstream
Casing -	Pre-galvanised Sheet steel with lockformed sealed joints
Size range -	From 100 mm diameter to 2000 mm diameter as standard (larger non-standard sizes are available). Attenuators above 300 mm diameter are available with a central pod to increase the acoustic performance if required

A secondary code dictates if the attenuator incorporates a central pod:-

- P Denotes that a pod is fitted
- U Denotes an unpodded unit

Flanges

- S Denotes Spigot flanges
- D Denotes drilled ends with threaded inserts

Pressure

- B DW142 class B leakage and up to 1000 Pascal's positive pressure or 750 Pascal's negative pressure
- D DW142 class D leakage and up to 2500 Pascal's positive pressure or 750 Pascal's negative pressure

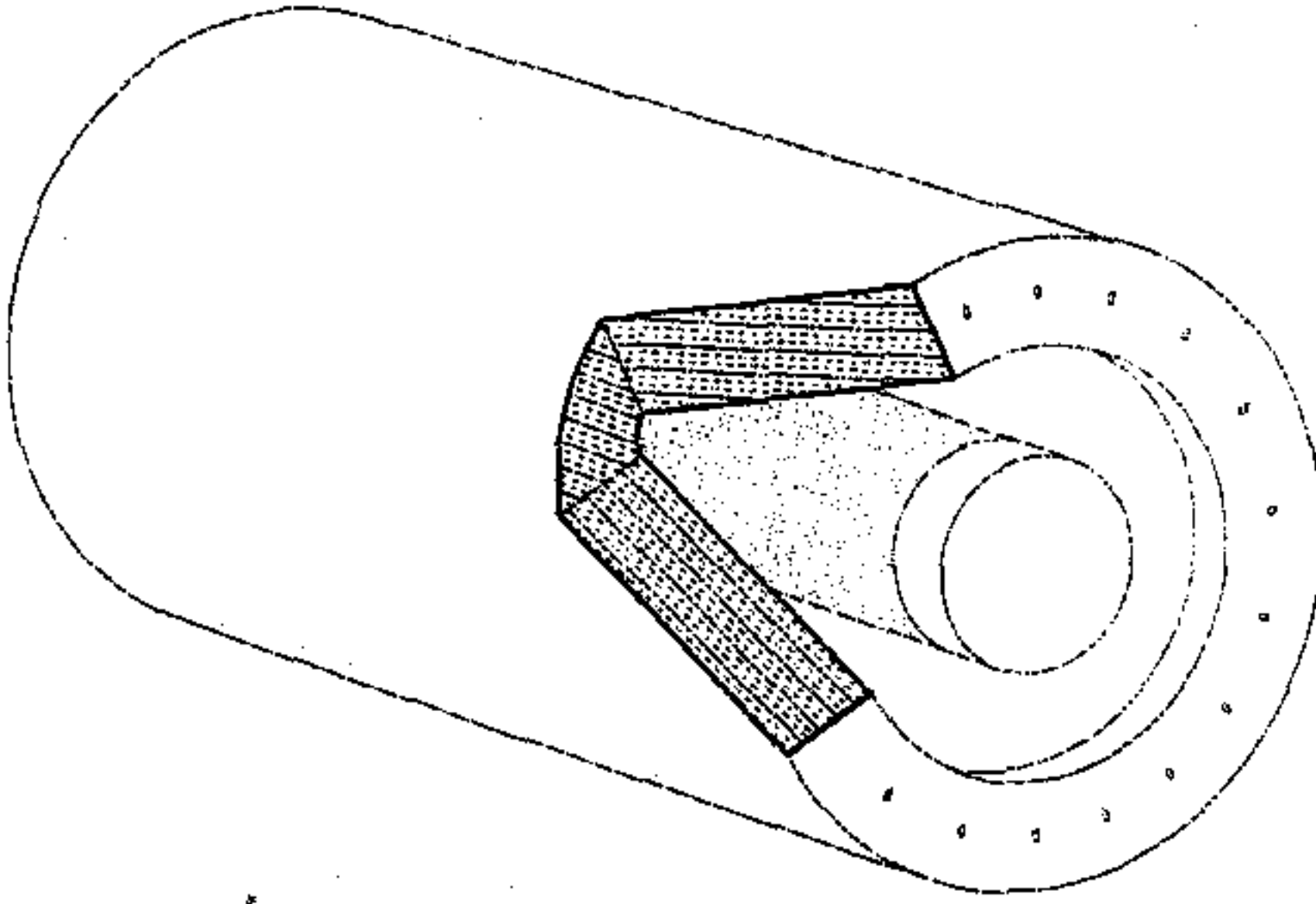
Other

- M Acoustic media wrapped in melinex. Typically used in systems where grease and/or high moisture levels occur and hospital/clean room applications.
- W Wrapping of the attenuator ends with polythene to prevent the ingress of rubble on site.
- X Attenuators with special requirements such as :-
 - Paint finishes
 - Stainless steel construction
 - Heavy gauge steel construction
 - Welded construction
 - Special flange requirements
 - Plastic construction
 - Plenum sections
 - Pressure ratings

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CIRCULAR DUCT ATTENUATORS



Circular attenuator complete with optional pod

Building services circular attenuator units are typically used in ductwork systems where they can be duct mounted or bolted directly on to the fan if size allows.

also supply a range of industrial units that are constructed to a different specification to cater for the requirements of the industrial market.

Depending on the acoustic requirements circular attenuators can incorporate a central "pod" that will increase the unit performance. Units without a pod offer acoustic performance at minimal resistance to airflow.

Typical building services circular attenuators are available with end flanges that incorporate threaded inserts or with spigot connections. The smaller units with spigot connections are often used in crosstalk applications and to attenuate terminal equipment. Circular spigot units are also available with a "flexible" casing to allow for minor misalignments

The range of industrial circular attenuators are constructed using various heavy gauge steel casing of various thickness and different infill materials depending on the gas flow. As with the building services attenuators the industrial units can incorporate a central "pod" if the performance required dictates this.

Cylindrical attenuators are available in sizes ranging from 100mm (internal) diameter onwards for building services attenuators. The coding and construction options are detailed on the attached sheet /1106/A

The industrial range is available in sizes of 100mm diameter upwards. Each unit is designed to suit the special project requirements as advised.

The selection of cylindrical attenuators depends on numerous factors such as the source noise data, the system design, noise criteria required and gas flow. Our engineers will be pleased to assist with the design / selection of cylindrical attenuators and provide schedules of units required.

For more detailed information and technical assistance please contact our Engineering / Sales Department.

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