

# DATA SHEET A15G

## CIRCULAR ATTENUATOR

### BOLTED CONNECTION

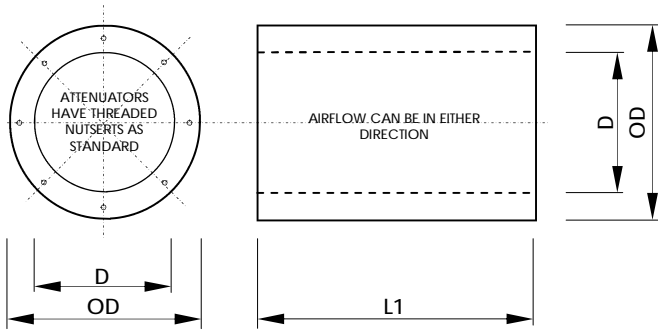
#### MODEL PL (WITHOUT POD)

#### MODEL PLP (WITH POD)



THIS IS NOT A STAND ALONE DOCUMENT AND UNLESS REFERRED TO IN A DATED EQUIPMENT SCHEDULE IS SUBJECT TO REVISION WITHOUT NOTICE.

### DIMENSIONS



NOMINAL DIAMETER (D)      OUTSIDE DIAMETER (OD)  
 BETWEEN 100 - 499 mm      D + 100 mm.  
 ABOVE 499 mm              D + 200 mm.

LENGTH (L1) IS NOMINAL CASING DIMENSION.

### SPECIFICATION

ATTENUATORS ARE CONSTRUCTED IN ACCORDANCE WITH DW 144 SPECIFICATION FOR MEDIUM PRESSURE (CLASS B) DUCTWORK.

CASES ARE STIFFENED AND HAVE END RINGS FITTED WITH THREADED NUTSERTS AS STANDARD.

SOUND ABSORBENT INFILL IS ENCAPSULATED WITH GLASS CLOTH AND PERFORATED STEEL.

CENTRAL PODS (TYPE PLP) HAVE AERODYNAMIC FAIRINGS AT EACH END.

### NOTES

THIS DATA SHEET IS TO BE READ IN CONJUNCTION WITH THE EQUIPMENT SCHEDULE.

EXCESSIVELY LARGE OR HEAVY ATTENUATORS MAY BE MANUFACTURED IN MATING SECTIONS FOR EASE OF HANDLING.

ATTENUATORS WILL BE SUPPLIED WITHOUT SUPPORT STEELWORK, BRACKETS, FIXINGS, GASKET, MASTIC OR OTHER SUCH ITEMS, UNLESS OTHERWISE STATED.

IT IS THE INSTALLERS RESPONSIBILITY TO SEAL THE ATTENUATOR TO THE CONNECTING DUCT.

INSERTION LOSS, PRESSURE LOSS AND FLOW NOISE DATA ARE DERIVED FROM TESTS CARRIED OUT IN ACCORDANCE WITH ISO 7235 AND MAY VARY DEPENDING ON INSTALLED CONDITIONS.

MANUFACTURING DIMENSIONAL TOLERANCE < 1.0 %.

### WEIGHT

WEIGHTS ARE GIVEN ON THE EQUIPMENT SCHEDULE.

### SUFFIX

THE SUFFIX TO THE ATTENUATOR CODE DEFINES THE MATERIAL OF FABRICATION AND ANY ADDITIONAL FEATURES OR SPECIAL CONSTRUCTIONAL DETAILS.

- B - BOLTED CONNECTION.
- G - PRE-GALVANISED STEEL CONSTRUCTION.
- S - STAINLESS STEEL CONSTRUCTION.
- H1 - HIGH TEMPERATURE APPLICATION (2 HOUR/300°C).
- D - DOUBLE SKIN CASING (OVERALL DIMENSION DOES NOT CHANGE).
- P - HIGH PRESSURE APPLICATION (DW 144, CLASS C).
- C - CHLORINATED RUBBER PAINT TO INSIDE SURFACES.
- M - MELINEX ENCAPSULATED INFILL.
- X - SPECIAL CONSTRUCTION, REFER TO EQUIPMENT SCHEDULE FOR DETAILS.

### FLANGE DRILLING DETAILS

D (mm)	N (N <sup>o</sup> HOLES)	PCD (mm)
100 - 249	4	D + 50
250 - 499	8	D + 50
500 - 999	12	D + 50
1000 - 1249	16	D + 50
1250 AND ABOVE	20	D + 50

ATTENUATORS ARE FITTED WITH END RINGS DRILLED AS SHOWN (OTHER DRILLINGS TO SPECIAL ORDER).

### STANDARD SIZES

DIAMETER(D) - 100, 125, 150, 160, 180, 200, 224, 250, 300, 315, 355, 400, 450 & 500 mm.

LENGTH (L1) - 600, 900, 1200, 1500, 1800, 2100, 2400, 2700 & 3000 mm.

ALL ATTENUATORS ARE MADE TO ORDER.

NON STANDARD SIZES AVAILABLE.