

DATA SHEET A16G

CIRCULAR ATTENUATOR

FIRE DUCT APPLICATION

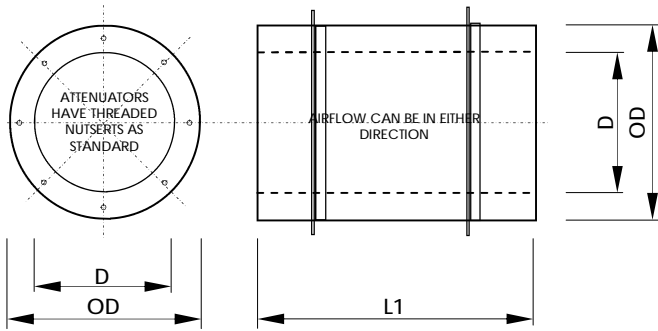
MODEL PL (WITHOUT POD)

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.

STIFFENERS SHOWN ARE FOR ILLUSTRATION ONLY. SEE TABLE BELOW FOR ACTUAL.

SPECIFICATION

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

CASING

1.0 mm THICK (MIN)
LAP JOINTS (IF APPLICABLE) TO HAVE STEEL FIXINGS @ 60 CENTRES (MAX)

CONNECTIONS

STEEL CAPTIVE NUTS AS PER FLANGE DRILLING DETAILS SHOWN

STIFFENING

UP TO 500 DIAMETER (D)	NONE REQUIRED
501 - 762 DIAMETER (D)	40 x 40 x 4 RSA @ 1500 CENTRES
ABOVE 762 DIAMETER (D)	40 x 40 x 4 RSA @ 1000 CENTRES

STIFFENERS TO BE FIXED BY STEEL RIVET OR WELD @ 150 CENTRES (MAX)

LINING / POD

TO BE OF STANDARD CONSTRUCTION BUT FITTED TO CASING WITH STEEL FIXINGS.

NOTES:

UNTREATED STEEL, LINISHING MARKS AND WELDS TO BE PAINTED INSIDE AND OUT WITH ZINC PHOSPHATE (GREY)

SEALANT TO BE INTUMESCENT

ALL STEEL RIVETS ONLY.

LABLES ON INSIDE ONLY

THIS CONSTRUCTION IS NOT FIRE CERTIFIED.

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.

SUFFIX

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

H2 - FIRE DUCT APPLICATION.

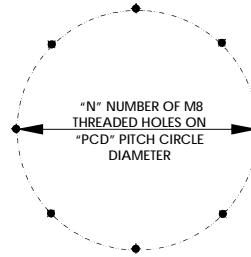
G - PRE-GALVANISED STEEL CONSTRUCTION.

P - HIGH PRESSURE APPLICATION (DW 144, CLASS C).

M - MELINEX ENCAPSULATED INFILL.

X - SPECIAL CONSTRUCTION, REFER TO EQUIPMENT SCHEDULE FOR DETAILS.

FLANGE DRILLING DETAILS



D (mm)	N (Nº 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

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 PROVIDE THE FLANGE SEAL 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.

IMPORTANT

ATTENUATORS ARE INTENDED FOR POST MANUFACTURE TREATMENT BY A THIRD PARTY FIRE DUCT SPECIALIST.

THE PURCHASER HAS ABSOLUTE RESPONSIBILITY FOR EITHER PROVIDING THE FIRE DUCT SPECIALIST'S MANUFACTURING SPECIFICATIONS OR OTHERWISE PROVIDING UNQUALIFIED APPROVAL OF THIS DATA SHEET.

IN ANY EVENT, ALLWAY ACOUSTICS LTD GIVE NO WARRANTY THAT ATTENUATORS MEET ANY FIRE CERTIFICATION. SUCH WARRANTIES MUST BE PROVIDED BY THE FIRE DUCT SPECIALIST.

UNTREATED ATTENUATORS DO NOT HAVE FIRE CERTIFICATION.