

Attenuator Schedule

Notes

1. All attenuators shall be supplied by Caice or equal and approved.
2. The Contractor shall order the attenuators scheduled below, and shall send finalised drawings and equipment noise levels to the attenuator supplier to check the selections prior to manufacture.
3. The attenuator supplier shall then undertake acoustic calculations to ensure that the attenuators achieve the specified noise criteria, based upon the finalised information.
4. A Technical Submittal comprising acoustic calculations and a finalised schedule of attenuators shall then be issued to the Consultant for final approval.
5. If an alternative attenuator supplier is proposed then the Contractor shall allow for them to undertake witnessed tests to prove their claimed insertion loss performance in a UKAS accredited BS EN ISO 7235: 2009 test facility, for two sample units. This shall be undertaken prior to order.
6. Pressure losses are stated in accordance with ISO 7235, which is based on laminar airflow conditions. The system designer shall make allowance for increased attenuator pressure losses where turbulent airflow conditions exist on the attenuator entry or exit.
7. Unless stated otherwise all attenuators shall be constructed as follows: Galvanised sheet steel casings with 30mm profile flanges that are fully compliant with DW/TM1 at a high pressure rating (+2000/-750Pa). Profile flanges shall be compatible with Doby, Mez & Metu flanging systems. Elements shall be installed in the vertical plane, with side elements provided as standard, and all elements shall have aerodynamic inlet and outlet fairings. Element facings shall be constructed from expanded galvanised steel mesh with fibre glass tissue bonded to the inner face. Mineral wool infill shall be overpacked to minimise voids due to settlement. Attenuator ends shall be protectively wrapped, and all attenuators shall be delivered to site on pallets and individually labelled.

Ref.	Description	Type and Model Code	Dimensions (mm)			Insertion Loss (dB)								Vol (m³/s)	PL (Pa)	Qty	Features
			W	H	L	63	125	250	500	1k	2k	4k	8k				
ATT 1	AS-1 MUB 062 SUPPLY	Rectangular SG01H/3C/L/S	775	750	2100	9	12	25	49	53	35	21	13	2.80	52	1	Horizontal elements.
ATT 2	AS-1 MUB 062 SUPPLY	Rectangular SG01H/3C/L/S	775	750	2100	9	12	25	49	53	35	21	13	2.80	52	1	Horizontal elements.
ATT 3	AS-2 MUB T100 EXTRACT	Rectangular SG01V/3C/L/SM	855	855	1800	6	8	17	31	25	15	9	7	3.50	31	1	Melinex wrapped infill.
ATT 4	AS-2 MUB T100 EXTRACT	Rectangular SG01V/3C/L/SM	855	855	1800	6	8	17	31	25	15	9	7	3.50	31	1	Melinex wrapped infill.