Attenuator Schedule

21 Thomas Street Huddersfield Care Home

Schedule Date
02/09/2024

Caice Reference
130953/Q00001

Notes

1. All products shall be supplied by Caice or equal and approved, as per their file reference 130953, contact Dawn Southwell on dawn.southwell@caice.co.uk or call 07395 886832.
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.

Product Reference	Product Description	Product Code	Dimensions (mm) Width	Height	Length	Volume (m³/s)	Pressure Loss (Pa)	Quantity	Noise Criteria	Features
AT001	Supply Fan Atmos.	Rectangular LG01H/3C/L/S	700	400	900	0.92	14	1	37dB(A) at 10m	Rectangular attenuator & Horizontal elements
AT002	Supply Fan Room Side	Rectangular LG01H/3C/L/S	700	400	900	0.92	14	1	NR45 at 1.5m	Rectangular attenuator & Horizontal elements
AT003	Extract Fan Atmos.	Rectangular SG01V/3C/L/SM	600	600	750	1.08	29	1	37dB(A) at 10m	Rectangular attenuator
AT004	Extract Fan Room Side	Rectangular SG01V/3C/L/SM	625	600	1050	1.08	45	1	NR45 at 1.5m	Rectangular attenuator

Direct Telephone 01249 449625
Direct E-Mail callum.pritchard@caice.co.uk