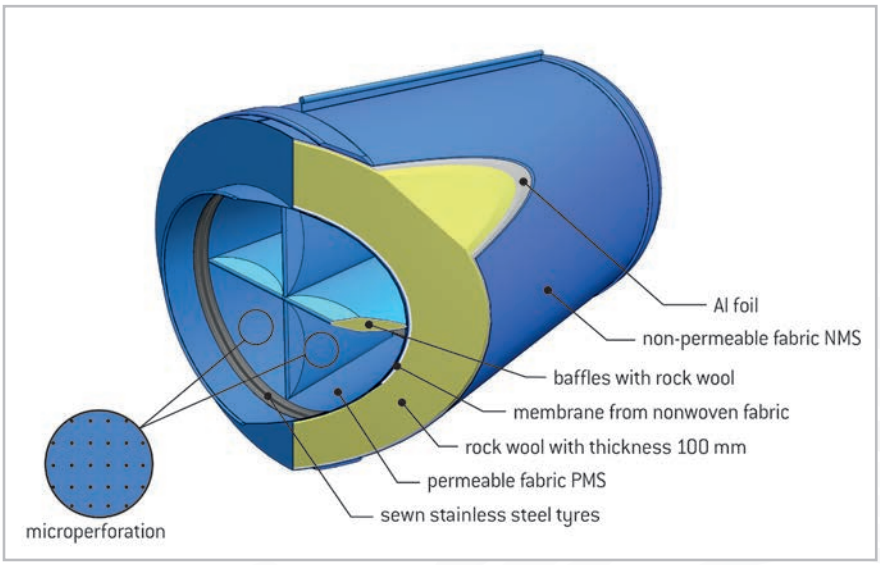
Technical solution – QuieTex

PROBLEM: System Sound

Transmission of fan generated noise into the space.

SOLUTION: QuieTex - Textile Sound Attenuator

Textile Sound Attenuator QuieTex is added into the duct system in order to decrese noise level generated by the fan being trasfered through ducting into the room. The basis of its unique construction is 100 mm thick aluminium enshrouded rock-wool. The inner wall of the silencer is microperforated to achieve higher attenuation while rock wool insulated baffles serve the same purpose. Stability of the construction is ensured by in-sewn, full-circumference stainless steel rings. Membrane from nonwoven prevents glass fiber escapes. QuieTex can be either part of the textile or metal duct system.

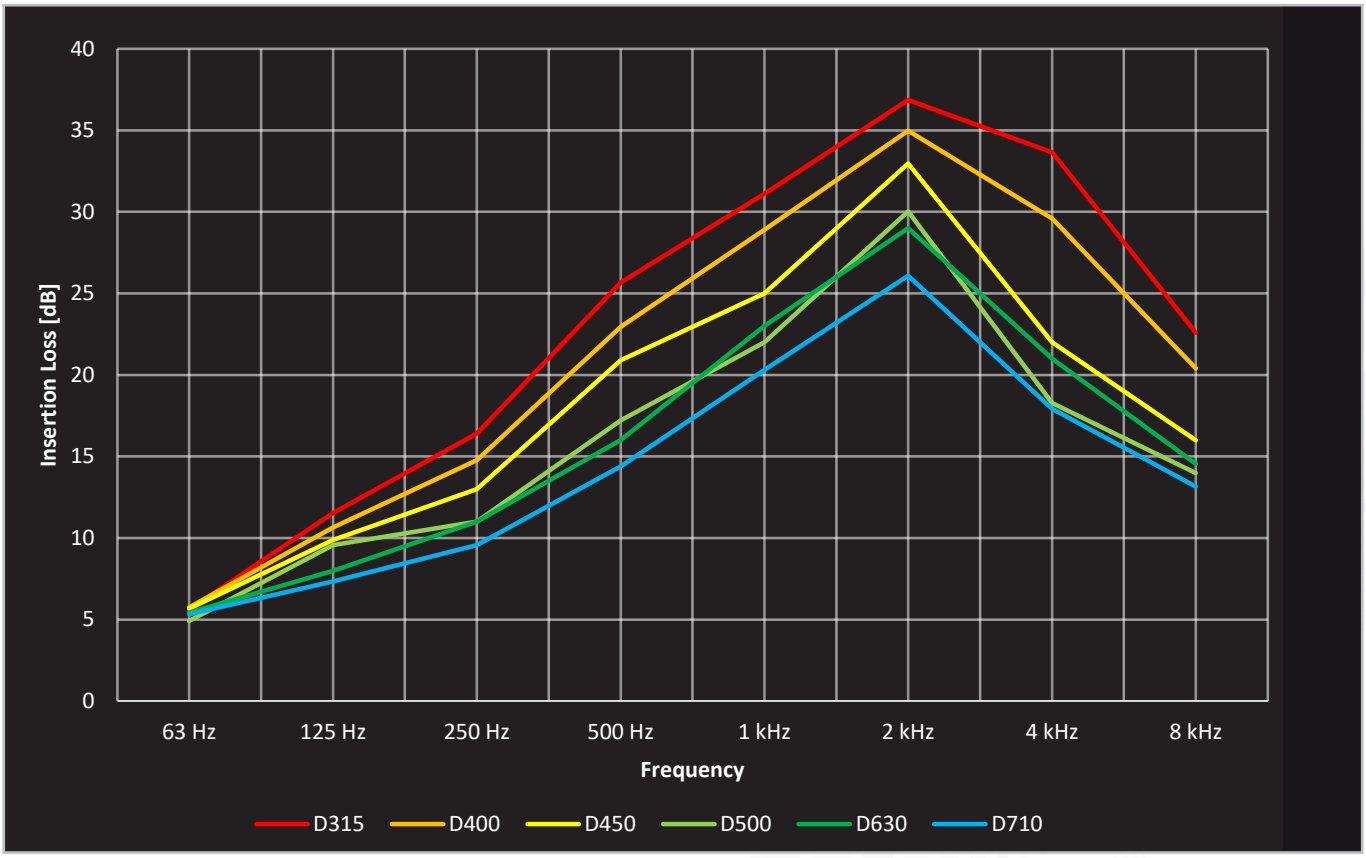


WEIGHT	
Diameter [mm]	**Weight [kg]**
315	7,8
400	9,2
450	10,0
500	11,8
630	14,1
710	15,5

QuieTex®

PERFORMANCE

TEXTILE ATTENUATOR WITH BAFFLES - SOUND ATTENUATION LEVELS [DB]								
Diameter	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1 kHz**	**2 kHz**	**4 kHz**	**8 kHz**
315	6	12	16	26	31	37	34	23
400	6	11	15	23	29	35	30	20
450	6	10	13	21	25	33	22	16
500	5	10	11	17	22	30	18	14
630	5	8	11	16	23	29	21	15
710	5	7	10	14	20	26	18	13



PRESSURE LOSS OF TEXTILE SOUND ATTENUATOR			
Diameter [mm]	**Airflow [m3/h]**	**w [m/s]**	**△P [Pa]**
315	1970	7,0	43,5
500	4950	7,0	35,1
710	10000	7,0	41,9

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