

Flexible insulated duct SONODEC

SONO



Description

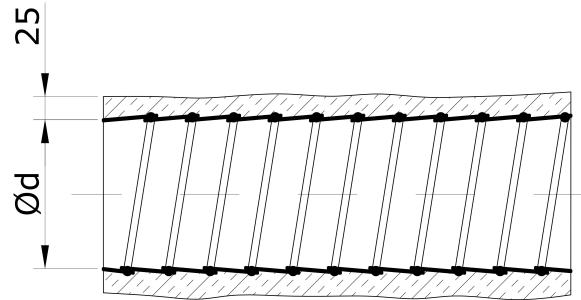
The circular flexible insulated duct is used for installation of supply and exhaust ventilation systems in buildings where it is not possible to use solid ducts. The duct can also be used in bath and kitchen extraction systems. The flexible insulated duct is used to connect metal ducts to distribution diffuser boxes, air dampers or domestic ventilation units. The flexible duct is made of three layers of aluminium foil and polyester fabric, reinforced with wire. Exterior covered with PVC foil with aluminium foil. Inside duct there is a 25 mm of mineral wool which reduces noise and improves thermal properties. Aluminium foil inside duct is perforated, for better noise reduction. The total thickness of the outside materials is about 80 microns. Flexible duct tightness class C according to LST EN 1506. The duct can be used at temperatures from -30 to +140 °C. Flammability class B2 according to DIN4102. The recommended bending radius of the round flexible duct is 0.75 outside diameter.

Ordering code

Product _____ SONO125
 Size _____

Sample: SONO125 – flexible insulated duct, diameter 125 mm.

Dimensions



Ød _{nom} [mm]	Ød _{outside} [mm]	Maximum allowable pressure [Pa]	Free area A [($\pi d^2/4$) m ²]	Mass [10 meters kg]
100	150	+2500 -1000	0,008	5,20
125	175	+2500 -1000	0,013	6,20
160	210	+2500 -1000	0,020	8,05
200	250	+2500 -1000	0,032	10,4
250	300	+2500 -1000	0,051	13,4
315	365	+2500 -1000	0,079	16,0

Technical data

		Insertion loss, dB for centre frequency							
Ød ₁ [mm]	L [m]	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz
100	1	7	9	19	32	37	31	21	16
	2	14	19	33	50	51	49	36	23
	3	18	25	39	52	52	53	40	28
125	1	6	12	20	21	25	29	17	13
	2	13	17	31	44	45	46	26	18
	3	16	23	46	44	47	51	34	22
160	1	12	17	22	22	27	19	14	10
	2	18	31	39	34	38	31	20	15
	3	19	29	43	41	46	39	27	19
200	1	5	7	15	17	20	16	13	9
	2	13	20	34	32	35	30	22	16
	3	11	18	40	38	41	39	30	20
250	1	11	16	17	18	16	13	10	7
	2	18	26	31	30	33	25	18	14
	3	17	32	36	34	37	34	27	19
315	1	7	11	12	13	14	11	7	6
	2	18	28	25	22	27	22	15	10
	3	17	27	32	30	34	28	19	14

Technical data

