



SONODEC CLASSIC

ACOUSTICALLY AND THERMAL INSULATED DUCTING

The **SONODEC CLASSIC** consists of a perforated aluminum laminate inner duct thermally and acoustically insulated with glass wool and is provided with a polyester/metalized polyester laminated outer jacket. A polyester barrier between the duct and the glass wool prevents the diffusion of glass wool particles.

APPLICATION

- Air-conditioning systems
- Air supply systems
- Preventing condensation in air ventilation systems
- Decreasing of machine noises

SPECIFICATIONS

Article code: CLDS{Ø}
 Temperature range: -30 °C to 140 °C
 Operating pressure: up to +2500 Pa
 Operating air velocity: max. 20 m/s
 Min. bending radius: 1 x Ø + 25mm
 Standard diameter range: 82 – 508 mm
 Standard length: 10 mtr

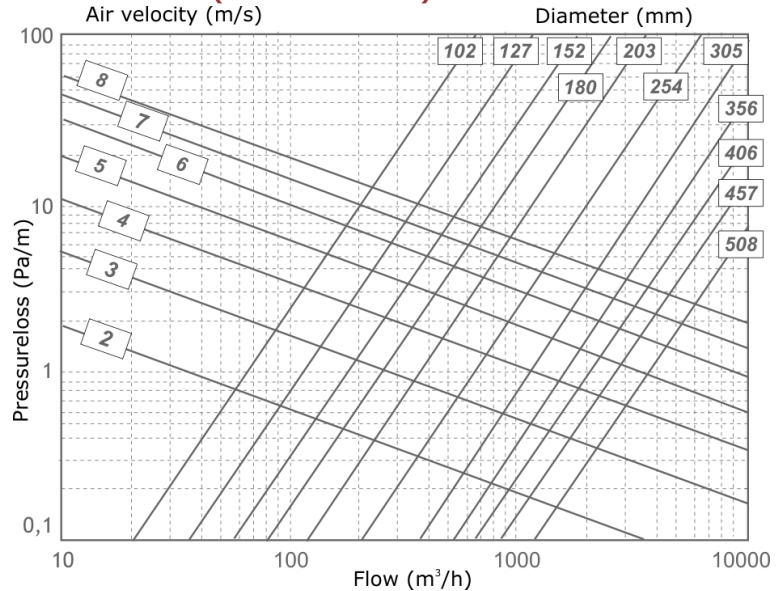
CONSTRUCTION

Inner duct: alu/poly laminate
 Barrier: polyester film
 Glass wool blanket: 25mm, 16kg/m³
 Outer jacket: alu/poly laminate
 R-value glass wool: 0.65 m² K/W
 (ASTM C177-76)
 Appearance: aluminium

CLASSIFICATIONS

EU (EN 13501-1): B-s1,d0
 NL(NEN 6065/6066) 1
 FR (NF): M1

PRESSURE LOSS (STRAIGHT DUCT)



The **SONODEC CLASSIC** fulfills all the requirements and are classified as specified within EN 13180: *Ventilation for buildings – Ductwork - Dimensions and mechanical requirements for flexible ducts.*

The **SONODEC CLASSIC** is also available, on request, with a 50 mm glass wool layer, the article number is: CLDS50{Ø}
 R-value glass wool: 1.3 (50 mm) m² K/W (ASTM C177-76).

LIABILITY:

The information contained in this brochure was current on the publication date. DEC INTERNATIONAL reserves the right to make changes in details at any time without prior notice. In order to avoid misunderstandings, any interested party is advised to contact DEC INTERNATIONAL checking for any changes in materials and/or information after this brochure was published.

PLEASE NOTICE:

The consultant is responsible for the actual installation and mounting of the product. The mentioned values with respect to temperatures are not appropriate to be used to determine the physical properties. These properties are also dependent on humidity and the temperature of the air inside and outside of the H.V.A.C. system.

TRADEMARKS:

SONODEC, the DEC logo and DEC International are trademarks, or registered trademarks of Dutch Environment Corporation BV in the Netherlands and/or other countries.

RESTRICTIONS:

The SONODEC ducts are not suitable for discharging combustion products from open fireplaces and oil-fired boilers. Neither are the SONODEC ducts suitable for transporting air with a high concentration of acid and base.



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SOUND ATTENUATION

SONODEC CLASSIC		(Test report nr. AB323-1 Peutz bv - The Netherlands)					
D _i (mm)	L (mtr)	Attenuation, dB - Mid-frequency, Hz					
		125	250	500	1000	2000	4000
82	1	16	26	33	38	28	17
	2	21	37	48	53	46	29
	3	29	45	49	54	57	38
102	1	9	19	32	37	31	21
	2	19	33	52	53	49	36
	3	25	39	50	52	54	40
127	1	12	20	21	25	29	17
	2	17	31	44	45	46	26
	3	23	46	44	47	51	34
160	1	17	22	22	27	19	14
	2	31	39	34	38	31	20
	3	29	43	41	46	39	27
203	1	7	15	17	20	16	13
	2	20	34	32	35	30	22
	3	18	40	38	41	39	30
254	1	16	16	16	16	13	10
	2	26	31	28	33	25	18
	3	32	36	32	37	34	27
315	1	11	12	12	14	11	7
	2	28	25	22	27	22	15
	3	27	32	28	34	28	19
457	1	12	10	8	8	6	8
	2	20	17	15	16	13	12
	3	25	22	21	25	19	16
508	1	8	8	8	9	6	7
	2	20	17	16	17	11	11
	3	24	22	20	25	15	14

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