



SMARTDEC® ISO

Flexible vert Isolé Anti-microbien

Smartdec® ISO est un nouveau flexible écologique sans aucun PVC !

Sans COV et avec ses caractéristiques hygiéniques, il est particulièrement conseillé dans toutes les applications en habitat résidentiel, aussi bien en neuf qu'en rénovation. Smartdec® ISO est principalement composé d'un conduit intérieur Non-tissé Polypropylène supporté par une spire métallique à pas rapprochés. Ce conduit intérieur comporte le traitement **DECProtect® Anti-bactérien & Anti-Fongicide** afin de garantir la qualité de l'air intérieur :

- ✓ **DECProtect™** résistance microbienne selon ISO 846 Class A + C (Class 0);
- ✓ Perte de charge; voir tableau ci-dessous
- ✓ Conformité aéraulique selon EN13180
- ✓ Atténuation acoustique selon ISO 7235
- ✓ Étanchéité D/ATC 2 jusqu'à +1000Pa
- ✓ Le conduit polypropylène offre une excellente résistance aux acides non-oxydants / graisses / solvants organiques
- ✓ Imperméable

APPLICATIONS:

- Ventilation résidentielle;
- Réseaux selon EN 13180;
- Recommandé en RE2020;
- Rénovation/amélioration installation VMC

AVANTAGES:

- ✓ Pas de PVC
- ✓ 0 Emissions
- ✓ Revêtement anti-microbien
- ✓ Nettoyable
- ✓ Très bonne résistance mécanique
- ✓ Durable
- ✓ Diamètres standards
- ✓ 100% recyclable

Spécifications

Code article:

Couleur:

Diamètres:

Température d'utilisation:

Pression de service:

V max air:

Rayon de courbure:

Classe d'étanchéité:

ISO 22196 antimicrobien:

ISO 16869 antifongicide:

Conditionnement:

Montage:

Longueur standard:

SMADI [Ø]

Conduit intérieur vert, Pare vapeur PE argenté

82 à 315mm

-30°C à 60°C

Jusqu'à 1000Pa

max. 4m/s

R=0.54 X Ø+25mm

ATC 2 Class D jusqu'à 1000Pa

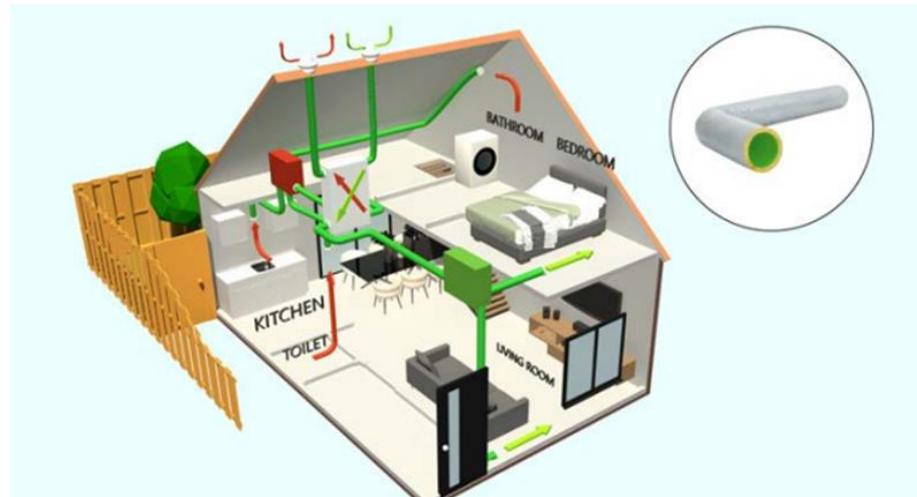
Efficacité 99,9%

Efficacité 99,9%

Carton individuel

Voir instructions

10 Mètres



Reach/RoHs : Conforme

Directive 2011/65/EU RoHS

Phthalates according to 1907/2006/EC REACH

Test result: Pass - The test items meets the requirements of the test specification



LIABILITY:

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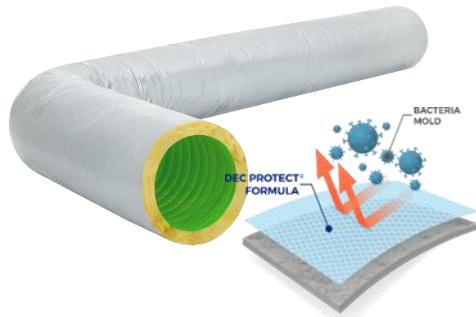
The consultant is responsible for the actual installation and mounting of the product. The mentioned values with respect to temperatures are not appropriate to be used to determine the physical properties. These properties are also dependent on humidity and the temperature of the air inside and outside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

TRADEMARKS:

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RESTRICTIONS:

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



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Isolant:

Laine de verre : 25 mm jaune
Coef. R-: 0.65 m² K/W
Pare vapeur : Polyéthylène 80μ

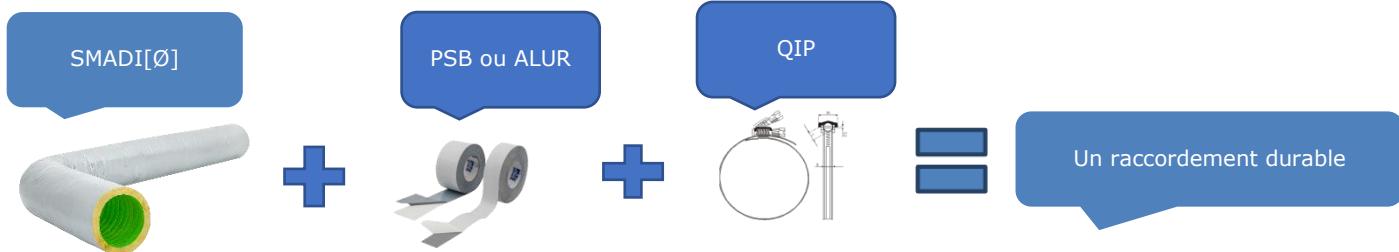


Smartdec® ISO est fabriqué selon la norme européenne EN 13180:
Accessoires de ventilation – Conduits flexibles – Respect des exigences mécaniques et géométriques.

Smartdec® ISO est aussi disponible, sur demande, avec Laine de Verre Ep.2x25 mm, le code article est **SMADI50[Ø]**

Le pare vapeur est recyclable et fabriqué en Polyéthylène 80μ

Instructions de montage :



Les conditions de montage préconisées :

- ✓ **Smartdec® ISO** choix suivant le diamètre, le flux et la perte de charge possible;
- ✓ **Smartdec® ISO** longueur droite ; si supérieure à 2 mètres, mise en place d'un collier de suspension [**SBRØ**];
- ✓ Raccordement étanche [**PSB ou ALUR**] + [**QIPØ**]
- ✓ Pour une performance maximale, le conduit intérieur **Smartdec®ISO** doit être toujours complètement étiré.

Produits complémentaires:

- Bouches de soufflage/reprise [**RONDOØ**];
- Autres composants DEC ventilation; nous contacter et/ou www.decinternational.com

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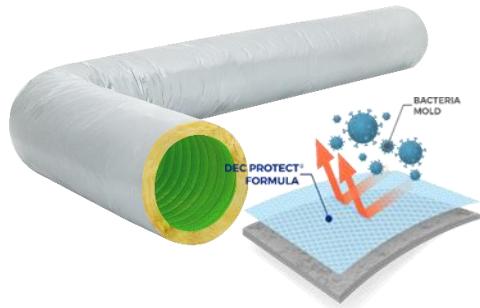
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Tableau Perte de charge Longueur droite

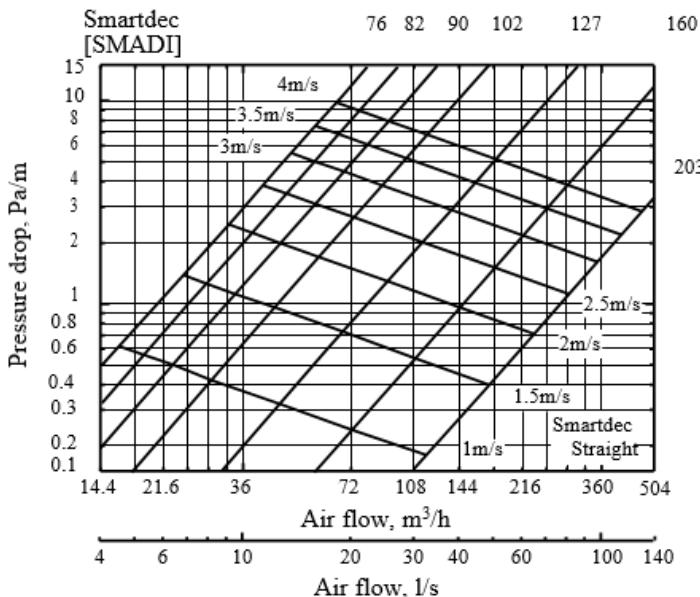


Tableau Perte de charge avec angle 45°

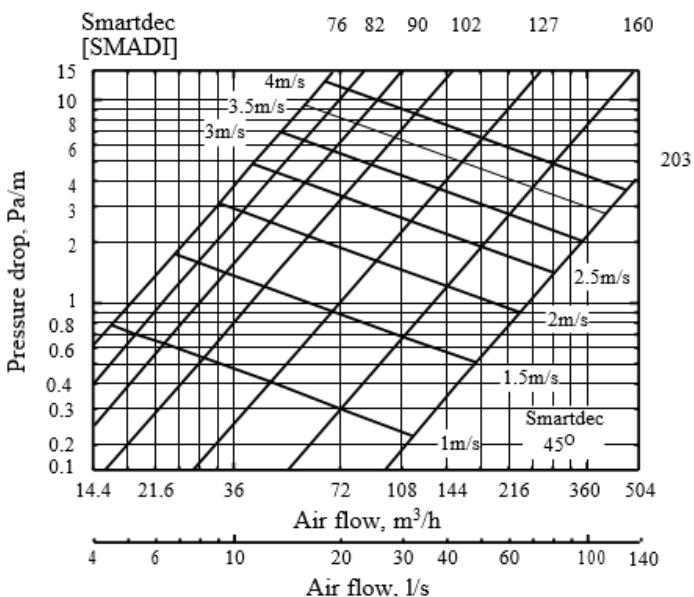


Tableau Perte de charge avec angle 60°

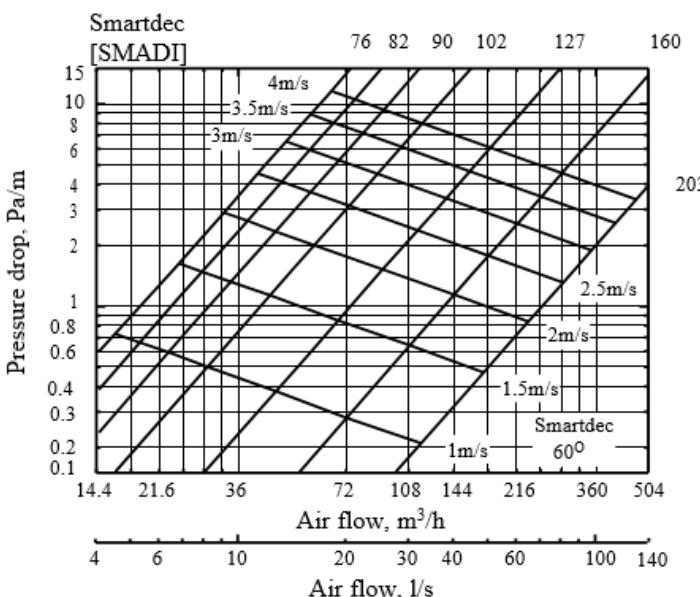
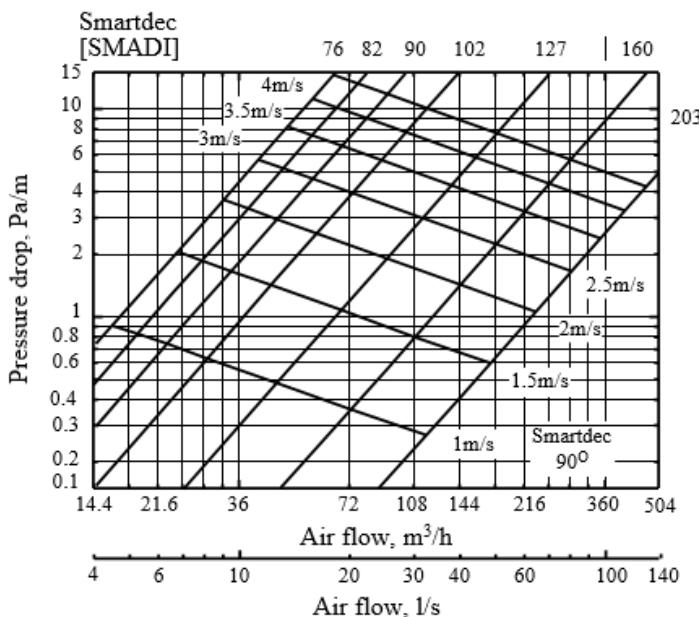


Tableau Perte de charge avec angle 90°



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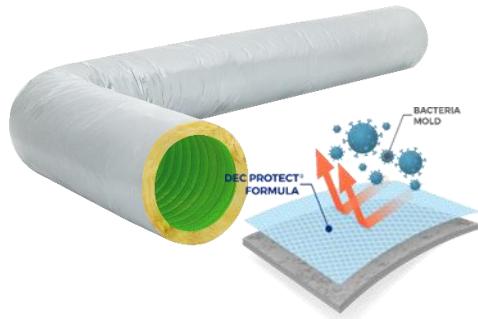
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Absorption acoustique: ISO 7235

Insertion loss : Absorption intérieure (flux)

Transmission loss : Atténuation aérienne

SMARTDEC ISO - (Innercore Green + barrier + 25 mm glass wool + Outside jacket Silver Grey)

Ø (mm)	L (mm)	Insertion loss D_I (dB)							
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
80	5000	4.7	1.3	2.1	2.8	5.4	13.7	38.9	21.3
100	5000	3.8	1.4	2.2	3.8	8.5	20.5	41.0	23.4
125	5000	9.4	2.1	1.5	3.4	7.7	15.7	39.5	18.8
160	5000	5.6	5.2	3.9	3.6	8.2	19.2	39.4	23.7
180	5000	0.7	1.1	2.4	2.2	6.5	22.5	37.7	15.0
200	5000	0.4	0.9	1.7	3.0	5.7	17.2	28.4	13.8

SMARTDEC ISO - (Innercore Green + barrier + 25 mm glass wool + Outside jacket Silver Grey)

Ø (mm)	L (mm)	Transmission loss D_T (dB)							
		63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
80	5000	42.2	33.5	28.4	20.6	20.4	18.8	17.0	19.4
100	5000	31.9	27.5	22.8	19.7	18.3	19.8	18.9	19.3
125	5000	35.8	27.1	26.2	18.3	18.1	16.9	17.0	18.5
160	5000	39.7	32.7	27.9	20.9	21.3	21.1	21.4	18.1
180	5000	33.7	24.7	23.7	17.7	17.4	16.0	18.8	16.2
200	5000	32.9	18.9	19.8	16.8	17.6	17.2	19.2	9.8

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