

RESIDENTIAL AIR DISTRIBUTION DUCTWORK

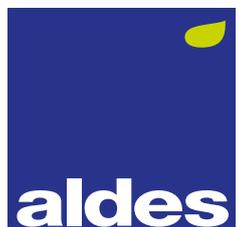
SALES BROCHURE



Optiflex®

THE FIRST VENTILATION
DUCTING FOR EASY
AND RELIABLE INSTALLATION

#HealthyLiving



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Things are clear.

Today, we spend over 90 % of our time indoors and the air we breathe is up to 8 times more polluted than outdoor air. This is why it is urgent to join to

AIR REVOLUTION

and strive to combat CO₂, fine particles and all these invisible enemies that affect our health by causing allergies, insomnia or respiratory diseases.

With its Optiflex® range, Aldes enables everyone to improve the indoor air quality of their home and adapt it to their needs.

WHY CHOOSE OPTIFLEX®

Optiflex®
THE FIRST VENTILATION DUCTWORK
FOR EASY AND RELIABLE INSTALLATION.

Complete range of semi-rigid plastic ducts and accessories for ventilation network in single housing or apartment. The Optiflex® range guarantees the performance and the hygiene of the ventilation network and at the same time an easy and reliable installation.

Quick and modular solution

Aldes EasyQuote selection tool for quick quotation
« 1 click » assembly system
Connection without adhesive tape or glue

Air quality

Anti-static treatment for extract air ducts
Anti-bacterial treatment for air supply ducts

Network performance

Good Air tightness
High resistance to shock and crushing
Extended network life

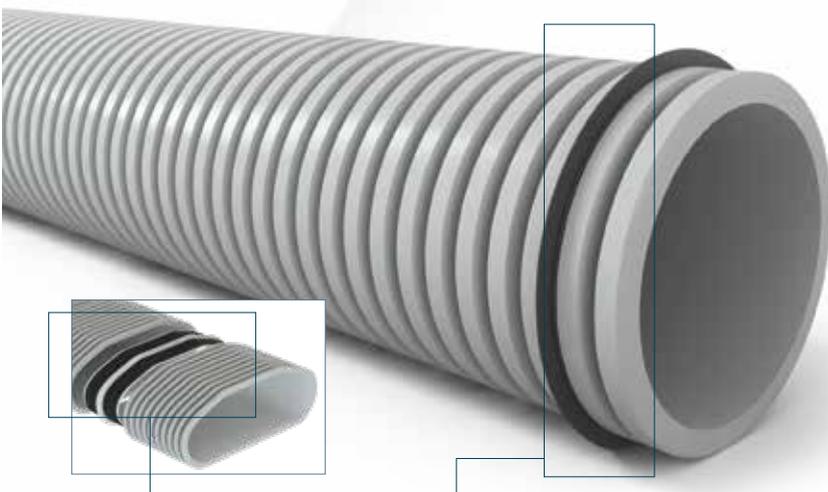


ALDES ACTS FOR AIR QUALITY



With **Optiflex®**, guarantee an optimal indoor air quality in your complete ventilation network.

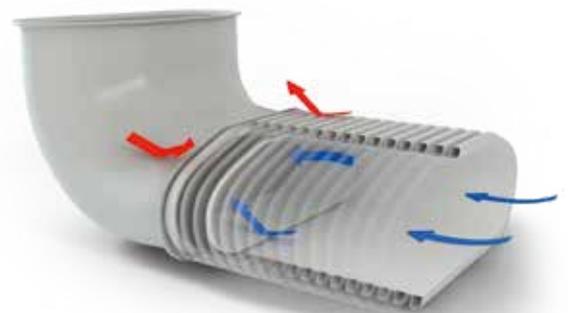
Optiflex® range has been designed to protect ductwork against work site pollution : accessories are delivered in hermetically-sealed packages, units and ducts are capped, sleeves are plugged.



The ducts are made of HDPE with no PVC, they don't diffuse any Volatile Organic Compounds (VOC). They also offer anti-static and anti-bacterial properties through silver ion surface treatments, which limit the development of bacteria and the accumulation of dust inside the ductwork.

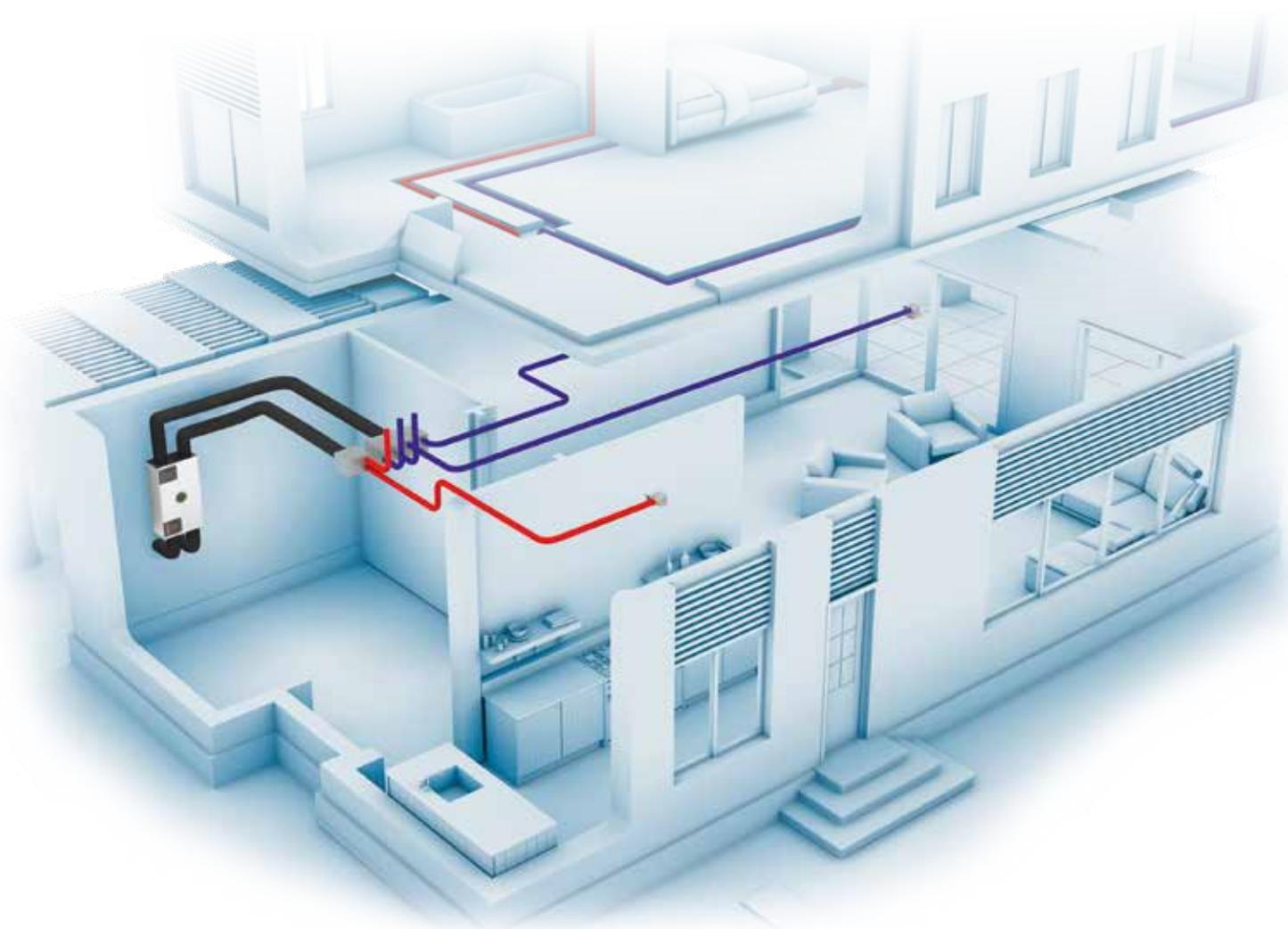
Optiflex® helps you to insure the aeraulic performance of your system:
System performance is guaranteed as Optiflex® ducts provide excellent air tightness with sealed connections.

Optiflex® helps you to control the quality of your ductwork:
Pressure losses are very low, terminal airflow levels are guaranteed for optimal comfort in the dwelling.



THE FIRST VENTILATION DUCTING FOR EASY AND RELIABLE INSTALLATION

Optiflex® ducts and accessories deliver **a complete solution to ensure system durability, guaranteed aeraulic performances and air quality.** The Optiflex® range meets **all site installation requirements** (ceiling or wall-mounted, slabs/screed), whether on new builds or retrofit work.



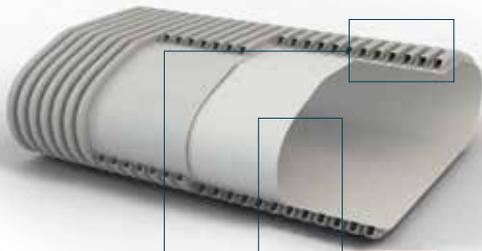
Technical ceiling



Concrete slab

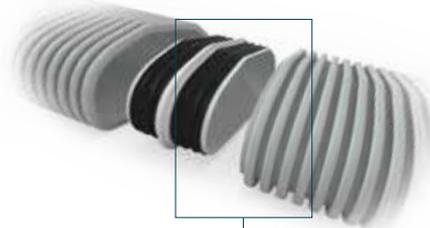


QUICK AND RELIABLE INSTALLATION

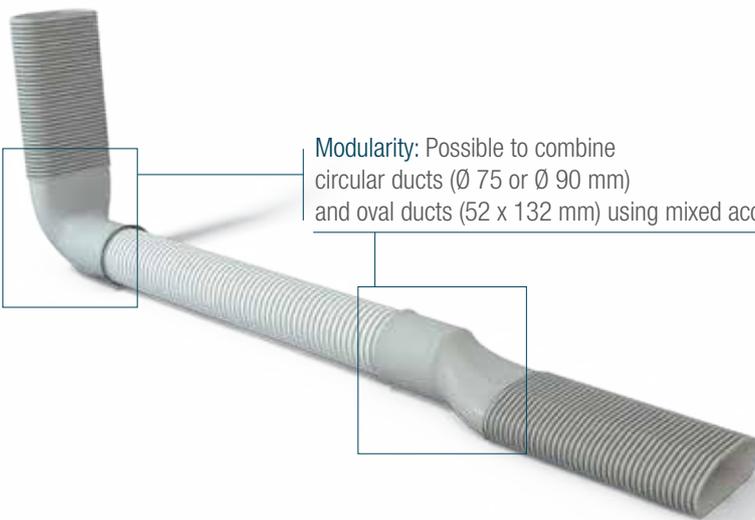


With **Optiflex®**, your system is built to last. Resistance: Optiflex® ducts are annealed on the outside for protection against handling on site. This serves to prevent any risk of tearing, crushing, twisted bends, and guarantee a good air quality in long term.

The ducts are seamlessly smooth inside and receive an anti-static treatment to prevent their clogging. The quality of ventilation is ensured to last.



Optiflex® optimises your installation time. Ultra-fast "1 click" system: parts are connected without the need for adhesive tape or glue.



Modularity: Possible to combine circular ducts (Ø 75 or Ø 90 mm) and oval ducts (52 x 132 mm) using mixed accessories.

Immediately identify ducts:

GREY: air supply



Anti-static and anti-bacterial

BLUE: exhaust



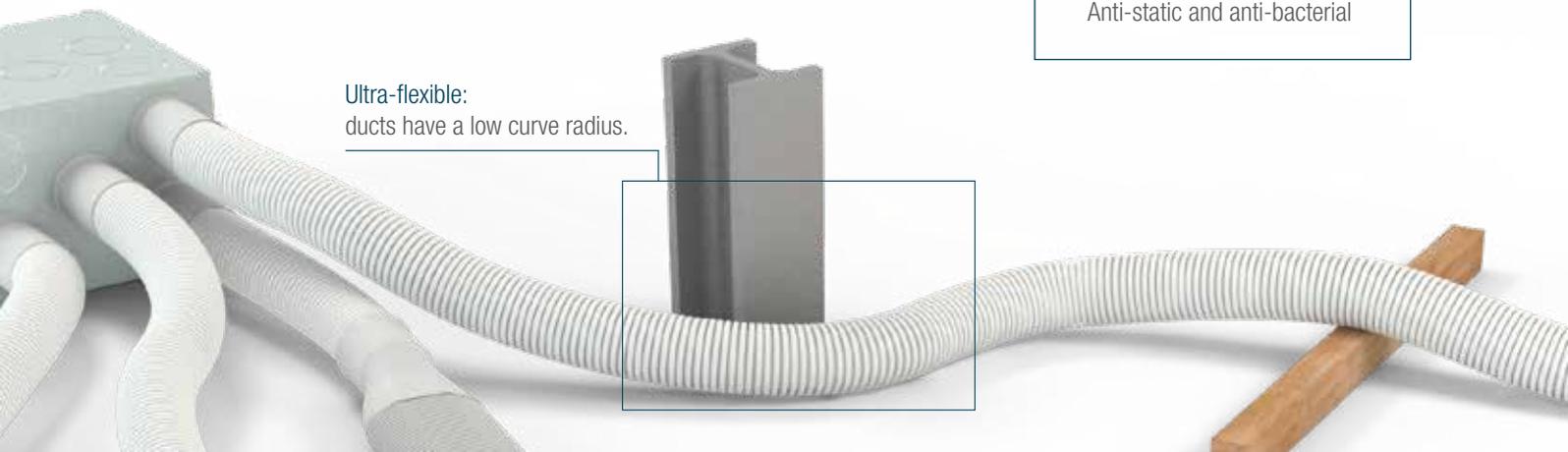
Anti-static

GREY: air supply or exhaust

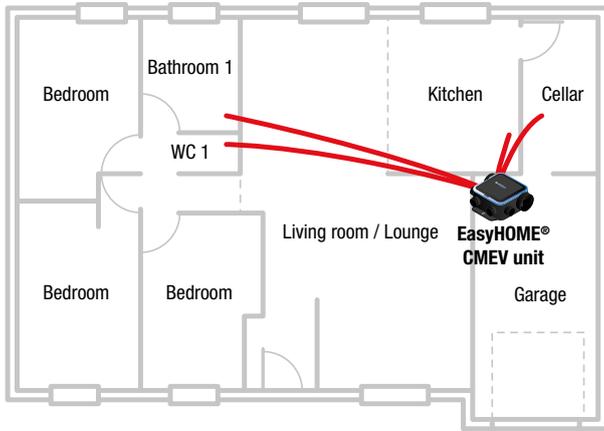


Anti-static and anti-bacterial

Ultra-flexible: ducts have a low curve radius.



THE BENCHMARK SOLUTION IN TERMS OF PRESSURE LOSS



Pressure loss from each branch*
depending on the ducting type



Typical example of a 3-bed dwelling with an EasyHOME® unit located near the kitchen.

UP TO 50%* LESS PRESSURE LOSS ON BATHROOM/WC BRANCHES

*pressure loss from each branch after deducting the minimum pressure required at each terminal (70 Pa at peak airflow for kitchen / 80 Pa for WC, bathroom and cellar). Calculations made on Selector poWair based on Uniclimate recommendations (11/2019)

**For the kitchen branch, legal airflows require the use of 2 Optiflex ducts Ø90 which generate a bit more pressure losses than one flexible duct in Ø125

ALDES BUSINESS DIGITAL TOOLS

Conceptor Ventilation

aldes

Conceptor Ventilation helps in the automatic design and aerualic dimensioning of your ventilation networks (CMEV or HRV) in single family dwellings or multi-occupancy buildings. Duct diameters are calculated according to the extract airflow generated by the fan and pressure losses.

Selector poWair

aldes

Selector poWair helps you to select the right fan unit (CMEV or HRV) and the related ducting for single family dwellings or multi-occupancy buildings following applicable regulations. It also allows to calculate fan consumption based on the pressure losses for each project.

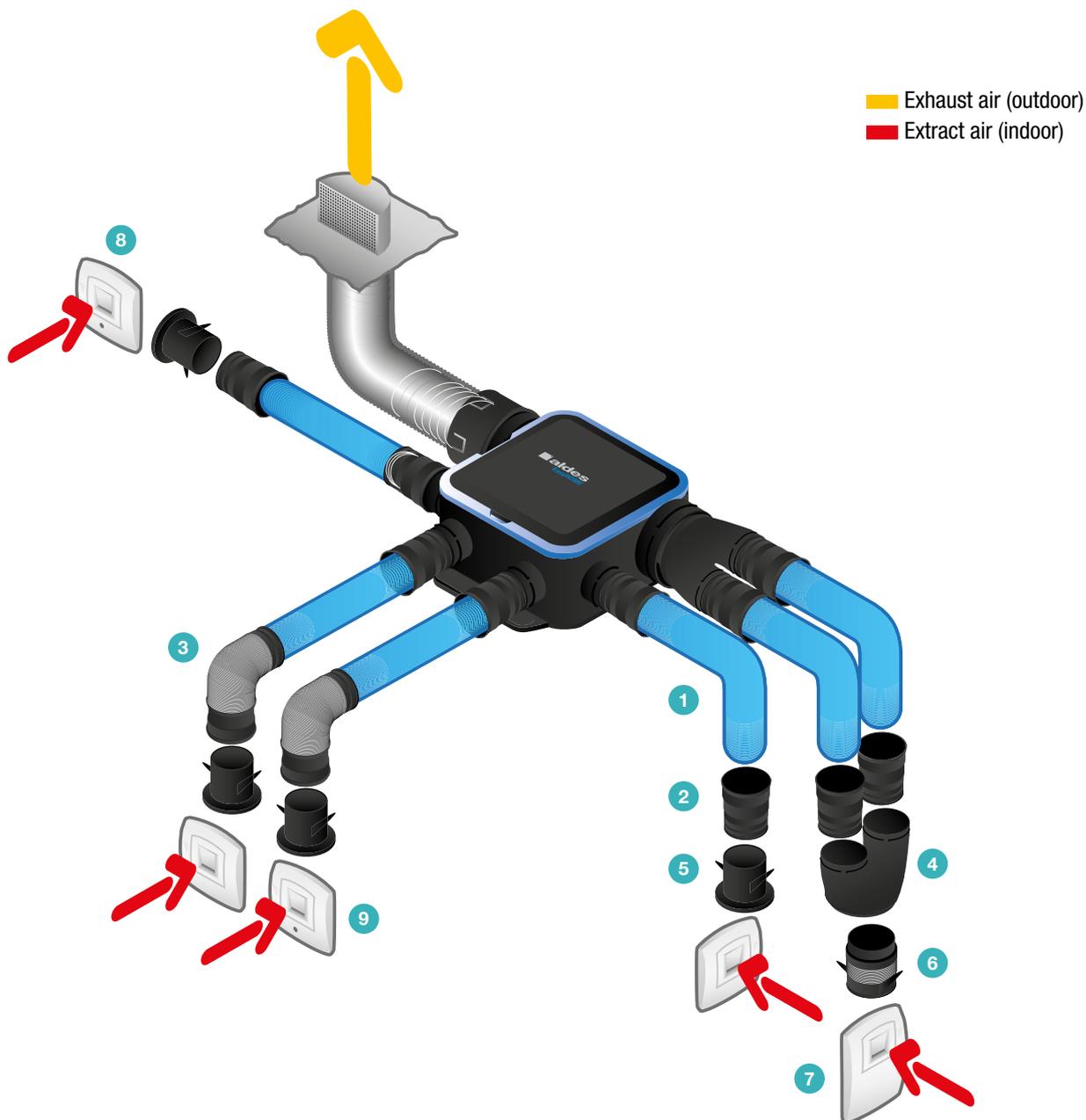
Selector EasyQuote

aldes

Selector EasyQuote estimates the cost of installing a CMEV or HRV system, ducting and accessories in a home, based on user-specified criteria. This installation quotation tool is very quick and precise, to within +/- 5% of the actual cost for the end customer.

Free and available to download from <http://services.aldes.com>

EASYHOME® HYGRO



CIRCULAR DUCT Ø 90 MM

DUCTS AND ACCESSORIES

Products	Code
① Blue anti-static duct Ø 90 mm - 50m	11091993
① Blue anti-static duct Ø 90 mm - 30m	11091969
Female sleeve	11091892
90° bend	11091898
Seal (x10)	11091893
Plug (x5)	11091894
Lyre fixing collar (x20)	11023214

OPTIFLEX® EASYCLIP CONNECTORS AND SLEEVES

Products	Code
② Straight Optiflex® connector EasyCLIP Ø 90 mm	11091989
③ Flexible Optiflex® connector EasyCLIP Ø 90 mm	11091988
④ Y-piece Ø 125 mm for 2 ducts Ø 90 mm	11091990
⑤ Trident sleeve Ø 80 mm for grilles and terminals - Bath/WC	11022074
⑥ Trident sleeve Ø 125 mm with flexible connector for Optiflex® Y-piece - Kitchen	11091991

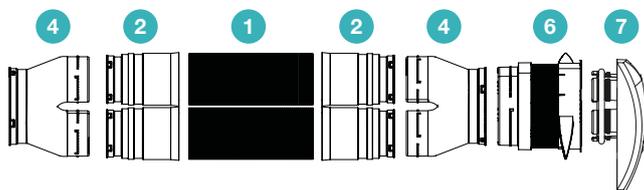
HYGRO TERMINALS AND ACCESSORY KITS Ø 90 MM

Equip easily your **EasyHOME®** units with the **Optiflex®** solution, using one of our dedicated kits:

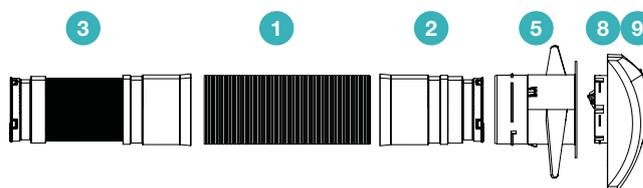
COMPOSITION OF KITS

	Optiflex® accessory kit for EasyHOME® kit	Kitchen kit Ø 125	Bath Cellar kit Ø 80	WC Pres kit Ø 80	Bath/WC kit Studio - 4 bed Ø 80	Bath/WC kit 5-6 bed Ø 80
	11091994	11033671	11033667	11033668	11033669	11033670
 ③ EasyCLIP flexible connector Ø 90 mm	4	2	1	1	1	1
 ② EasyCLIP straight connector Ø 90 mm	4	2	1	1	1	1
 ④ Y-piece Ø 125 mm for 2 ducts Ø 90 mm	2	2				
 ⑥ Trident flexible sleeve Ø 125 mm	1	1				
 ⑤ Trident sleeve Ø 80 mm	2		1	1	1	1
 Seals	10	4	2	2	2	2
 ⑦ C21 Push 9V Ø 125 mm		1				
 ⑨ B21 Ø 80 mm			1			
 ⑨ W13 PRES Ø 80 mm				1		
 ⑨ BW21 PRES Ø 80 mm					1	
 ⑨ BW22 PRES Ø 80 mm						1

CONNECTING THE UNIT TO THE KITCHEN TERMINAL



CONNECTING THE UNIT TO THE BATHROOM TERMINAL



OPTIFLEX® INSULATING HOSE FOR CIRCULAR Ø 90 MM*

This new insulating hose allows to install **Optiflex®** ducts in non-heated spaces to guarantee the performances of the complete ventilation installation.

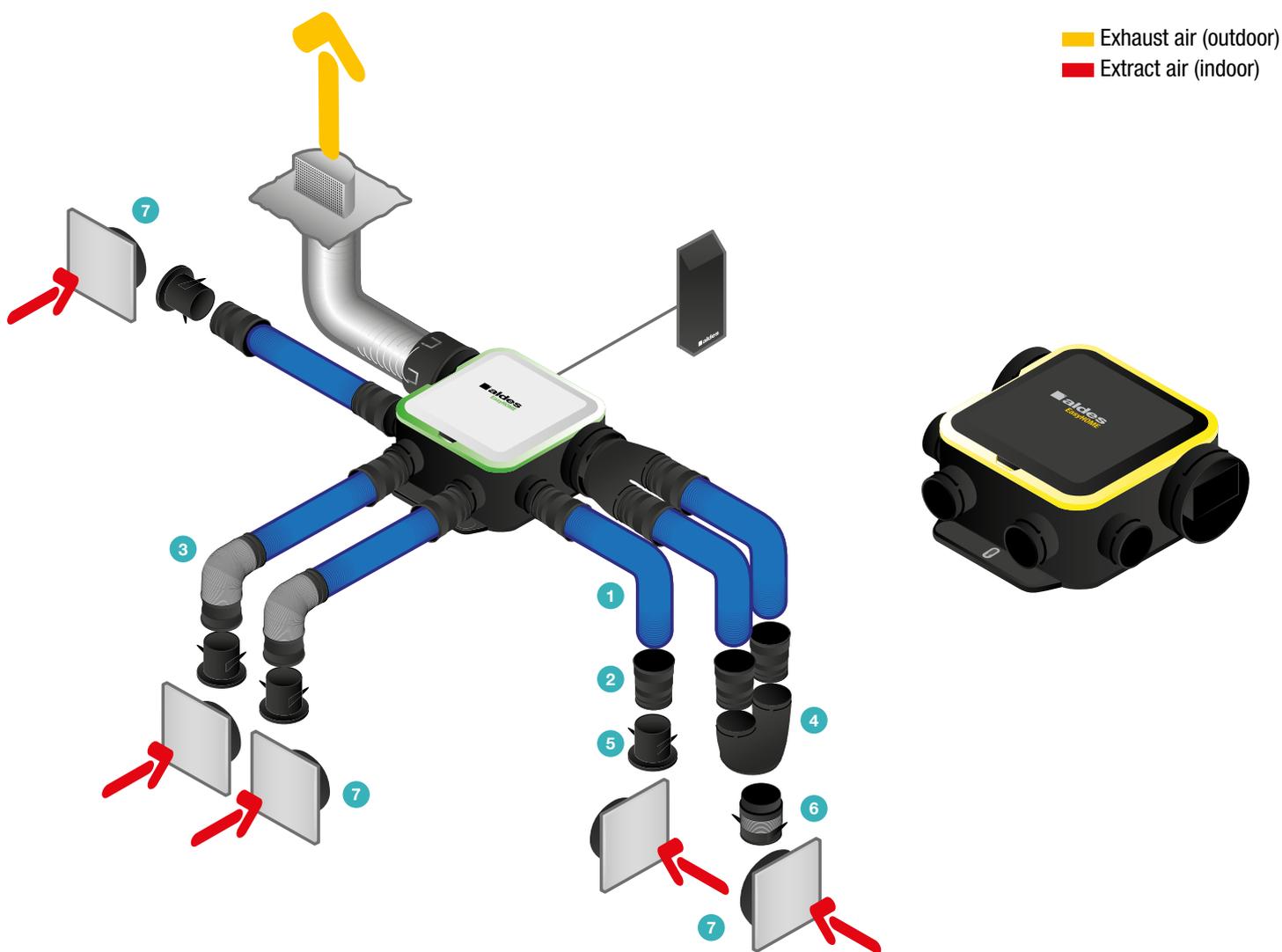


Optiflex® insulating hose is made of non-irritating synthetic insulating foam (isolation performance equivalent to 25 mm glass wool) and exterior aluminized jacket. An interior transparent plastic film makes the installation easy. The insulating hose, available in two lengths (3 and 6 meters), is delivered in a net.

Products	Code
Optiflex® insulating hose Ø 90 mm - 3 m	11027161
Optiflex® insulating hose Ø 90 mm - 6 m	11027162

* compatible with all CMEV EasyHOME® groups, Hygro, Auto et PureAIR

EASYHOME® PUREAIR AND AUTO



CIRCULAR DUCT Ø 90 MM

DUCTS AND ACCESSORIES

Products	Code
① Blue anti-static duct Ø 90 mm - 50m	11091993
① Blue anti-static duct Ø 90 mm - 30m	11091969
Female sleeve	11091892
90° bend	11091898
Seal (x10)	11091893
Plug (x5)	11091894
Lyre fixing collar (x20)	11023214

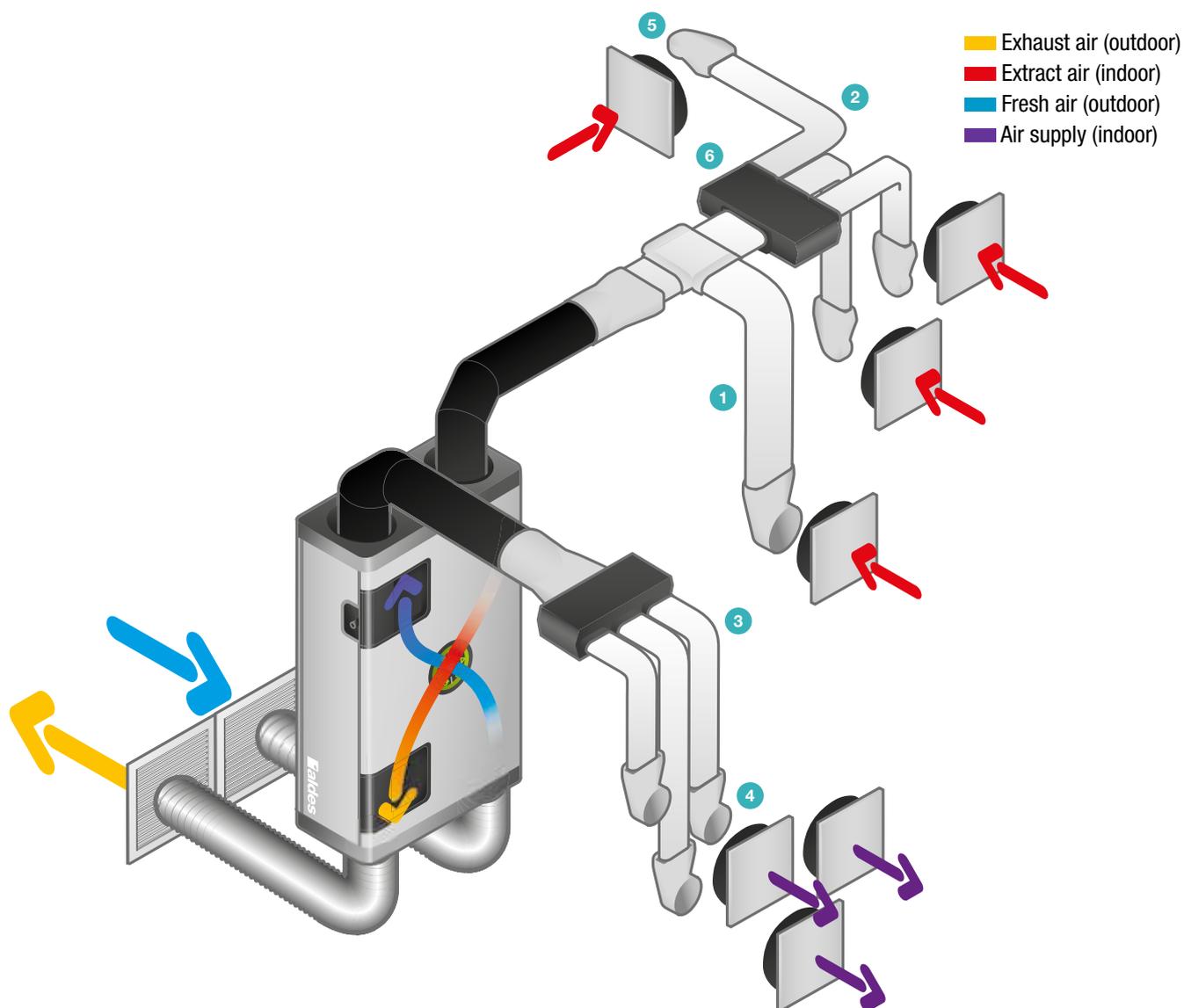
OPTIFLEX® EASYCLIP CONNECTORS AND SLEEVES

Products	Code
② Straight Optiflex® connector EasyCLIP Ø 90 mm	11091989
③ Flexible Optiflex® connector EasyCLIP Ø 90 mm	11091988
④ Y-piece Ø 125 mm for 2 ducts Ø 90 mm	11091990
⑤ Trident sleeve Ø 80 mm for grilles and terminals - Bath/WC	11022074
⑥ Trident sleeve Ø 125 mm with flexible connector for Optiflex® Y-piece - Kitchen	11091991

COLORLINE® RANGE

		Grille colour	Image	Code
ColorLINE® kit Ø 80	7	White Flake		11022156
ColorLINE® kit Ø 125	7	White Flake		11022157
ColorLINE® D80 mm white support	7	-		11022158
ColorLINE® D125 mm white support	7	-		11022159
Classic collection				
ColorLINE® front panel		Chill grey		11022160
ColorLINE® front panel		Grege		11022161
ColorLINE® front panel		Taupe		11022162
ColorLINE® front panel		Anthracite		11022163
Colors collection				
ColorLINE® front panel		Paprika		11022164
ColorLINE® front panel		Blue lagoon		11022165
ColorLINE® front panel		Turquoise blue		11022166
ColorLINE® front panel		Plum		11022167
ColorLINE® front panel		Fuchsia		11022168
Natural collection				
ColorLINE® front panel		White wood		11022169
ColorLINE® front panel		Oak		11022170
ColorLINE® front panel		Wenge		11022171
ColorLINE® front panel		Brushed aluminium		11022172
ColorLINE® front panel		Titanium		11022173
Custom				
ColorLINE® front panel		Transparent		11022174

CONSTANT FLOW HRV



OVAL DUCT 132 x 52 mm

Products	Code
① Anti-static and anti-bacterial duct	11091857
Rotation connector	11091860
② Horizontal bend	11091858
③ Vertical bend	11091859
④ 90° bend sleeve 1 connection for bath/WC	11091865

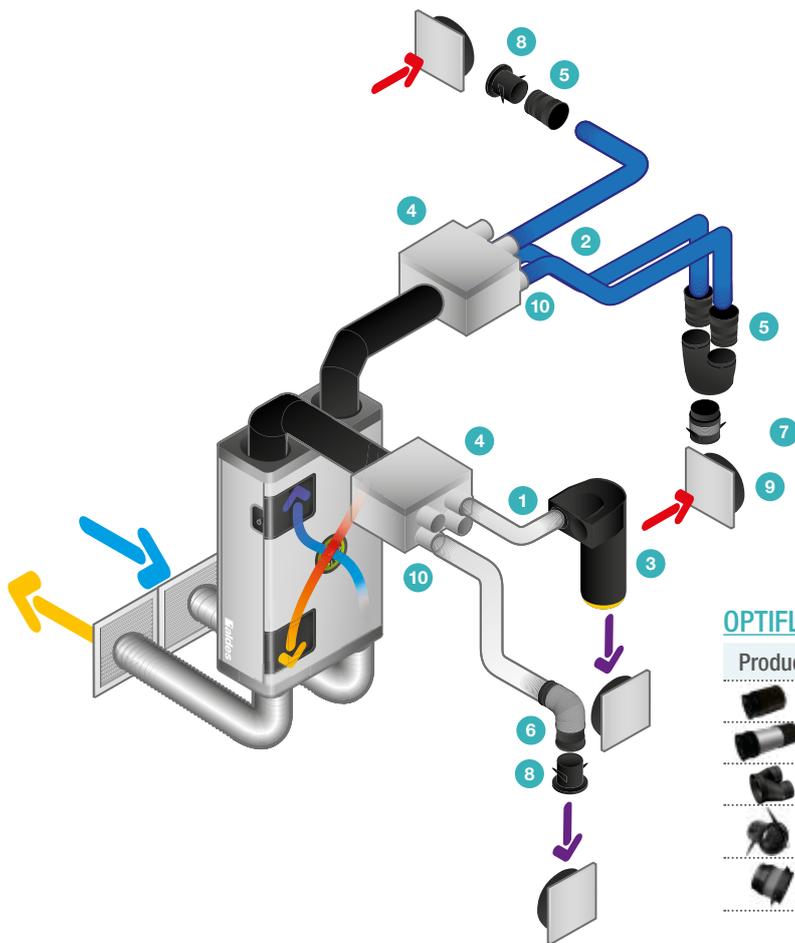
Products	Code
90° bend sleeve 90° 2 connections for kitchen	11091866
⑤ Straight sleeve 1 connection	11091867
Rectangular sleeve	11091868
⑥ Distribution box fan	11091884
Airtight connector	11091861
Cap (bag of 5)	11091862

CHOICE OF TERMINALS

EXTRACT			AIR SUPPLY	
Kitchen	Bathroom	WC	Living room and bedrooms	
BIP kitchen terminal Ø125 11022078	BAP'SI Modulo S1 Ø125 11019090	BAP'SI Modulo S1 Ø125 11019090	Square Bio design Ø80 11022065	ColorLINE® white kit Ø80 11022156
ColorLINE® white kit Ø125 11022157			+ BIO blanking plug* 11022063	+ BIO blanking plug* 11022063
+ Amplifier** 11129835	or ColorLINE® white kit + MR D.80 in the distribution casing connection Optiflex			

*Optional: for use in case of difficulty in balancing supply airflows
 ** Only necessary when using the large kitchen airflow

CONSTANT FLOW HRV



- Exhaust air (outdoor)
- Extract air (indoor)
- Fresh air (outdoor)
- Air supply (indoor)

OPTIFLEX® EASYCLIP CONNECTORS AND SLEEVES

Products	Code
5 Straight Optiflex® connector EasyCLIP Ø 90 mm	11091989
6 Flexible Optiflex® connector EasyCLIP Ø 90 mm	11091988
7 Y-piece Ø 125 mm for 2 ducts Ø 90 mm	11091990
8 Trident sleeve Ø 80 mm for grilles and terminals - Bath/WC	11022074
9 Trident sleeve Ø 125 mm with flexible connector for Optiflex® Y -piece - Kitchen	11091991

CIRCULAR DUCT Ø 90 MM

Products	Code
1 Anti-static and anti-bacterial duct Ø 90 mm - 50 m	11091854
2 Blue anti-static duct Ø 90 mm - 50m	11091993
Female sleeve	11091892
3 90° bend sleeve	11091997
4 Metal distribution unit	13 P: 11091986 20 P: 11091987

Products	Code
10 Distribution casing connector D90	11091891
90° bend	11091898
Seal Ø 90 (x 10)	11091893
Plug (x 5)	11091894
Lyre fixing collar (x 20)	11023214

CIRCULAR DUCT Ø 75 MM

Products	Code
1 Anti-static and anti-bacterial duct Ø 75 mm - 50 m	11091872
2 Blue anti-static duct Ø 75 mm - 50 m	11091992
Female sleeve	11091873
3 90° bend sleeve Ø 125 mm	11091995
90° bend	11091874

Products	Code
10 Distribution casing connector D75	11091878
Seal Ø 75 (x10)	11091875
Insulated circular unit Ø 80 mm	11023194
Plug (x 5)	11091876
Lyre fixing collar (x 20)	11023183
Right-angle bend Ø 80 mm (x 10)	11127885

CHOICE OF TERMINALS

EXTRACT			AIR SUPPLY	
Kitchen	Bathroom	WC	Living room and bedrooms	
BIP kitchen terminal Ø125 11022078	ColorLINE® white kit Ø125 11022157	BAP'SI Modulo S1 Ø125 11019090	Square Bio design Ø80 11022065	+ BIO blanking plug* 11022063
ColorLINE® white kit Ø80 11022156	BAP'SI Modulo S1 Ø125 11019090	ColorLINE® white kit Ø80 11022156	+ BIO blanking plug* 11022063	
+ Amplifier** 11129835		or ColorLINE® white kit + MR D.80 in the distribution casing connection Optiflex		

*Optional: for use in case of difficulty in balancing supply airflows
 ** Only necessary when using the large kitchen airflow

#HealthyLiving

Because air is not just for us to breathe but it also helps us live a healthier life, Aldes commits to taking care of the health of each building occupant.

Our skills in air management enables us to help design indoor living spaces that are smart and caring. Where we live, work and have fun, Aldes watches over our well-being through innovative solutions that improve indoor air quality.

High-performance solutions that respect the environment, enabling the renewal and purification of indoor air, heating it, cooling it, and providing domestic hot water.

More than just a movement, **#HealthyLiving** embodies our principles of being caring and responsible, as well as our pioneering spirit.



For more information about **Optiflex®**,
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