



FLUE GAS, VENTILATION, HEAT PUMP & ROOFING SOLUTIONS

CATALOGUE VERSION 1

INNOVATIVE
PARTNER


Burgerhout®
a brand of M&G Group

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PREFACE

BURGERHOUT – AN M&G GROUP BRAND

With a history dating back to 1865, we produce and supply climate control solutions for any dwelling that incorporates a duct in the floor, wall or roof. Our company provides innovative products that enable climate installations and systems to operate, and we collaborate with companies that produce HVAC equipment. With products from our well-established brands Burgerhout, Anjo and Stabile, we provide installers with full-service solutions that ensure a comfortable indoor climate, while avoiding any negative effects regarding the climate outdoors. Our mission is to create a “Sustainable and Comfortable Living Environment for Everyone.”

We operate locally by putting people and the environment first and attach a great deal of importance to respect, togetherness, safety & security and drive. With a resourceful team of 800 enthusiastic specialists, our own R&D and testing facilities, production sites in the Netherlands, Italy and Turkey and our own offices in Belgium, France, Italy, the United Kingdom and Germany, our products and services are available in over 25 countries.

EXPERIENCE

The name Burgerhout has been a familiar and well-known name now for more than 150 years. We started out as a shipyard, but since the 1930s, have specialised in building products, with an emphasis on flue gas outlets, ventilation, and extraction systems. During the last few years, we have continually introduced additional solutions to support modern technologies such as heat pumps and solar systems (cable entries).



MAKING THE GREEN CONNECTION WITH BURGERHOUT

The solutions we supply under the Burgerhout brand focus primarily on the combination of current conventional heating or ventilation systems and ‘green’, ‘energy-saving’ technologies. We are therefore the link that connects the outdoor climate with a comfortable indoor climate, while ensuring circularity and sustainability.

Systems and products that are already suitable for the realisation of a ‘green connection’ include EasySafe, FX Easy and the Delta-Discovery Air. This means that our approach is to take a more holistic view of the market, so that you can consider (hybrid) solutions such as the following:

- Combining an existing central heating boiler with a heat pump
- Combining a heat recovery ventilation (HRV) system with a heat pump
- Heat pumps (for hot water, ventilation, heating)
- Gas blends such as hydrogen-enriched natural gas
- Green gases (types of biogases) and synthetic gases

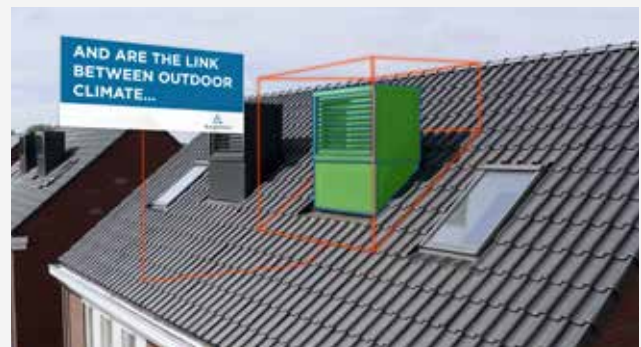


INNOVATION AND OUR NEW PRODUCTION FACILITY

We are constantly innovating in pursuit of our objective to play our part in creating a better future for us all. So that we can continue doing this in the future, we have opened our new production facility in Assen in 2023. This new factory will allow us to produce our systems even more efficiently and in an even more sustainable way than before. It will also allow us to continue our quest to develop an even better living environment for everyone by creating future-oriented products.

GOT ANY QUESTIONS OR NEED ANY ADVICE?

You can contact us online for answers to any questions about our products and systems. We also offer a range of (software) tools to perform calculations. You can also consult our datasheets and manuals, which are available via our website (burgerhout.com). Do you have any other questions, or do you need training or advice? If so, do not hesitate to contact our experts by email at: sales.support@mg-group.com







FLUE GAS DISCHARGE IN PLASTIC

EasySafe

TwinSafe

Safe-PP

Twinline + Twinline UV-PP

Multiline (Cascade)

MiniFlex

Flexline

TwinFlex

MultiFlex

CLV Renovation with MiniFlex

CLV Renovation with Multiflex

Outer wall system

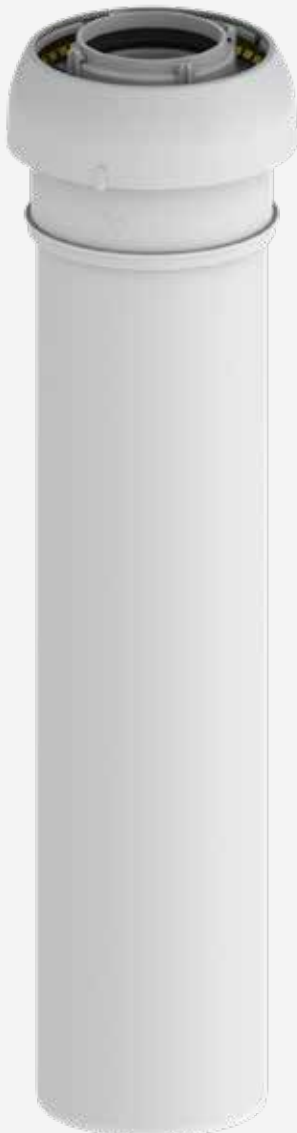


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EASYSAFE

Safety, ease of installation and sustainability are characteristics that are central to Burgerhout. With these core values as a starting point, we have developed a revolutionary concentric flue gas discharge system that meets market requirements and regulations for now and potential hydrogen/hybrid applications. The EasySafe concentric push-fit flue gas discharge system is equipped with a tensile connection and is therefore unique in its kind. The system is made entirely of plastic in accordance with EN14471-1 and available in the size 60/100. The smart application of a tensile resistant connection with all plastic construction makes for a system which can be easily and safely installed. The extensions can be easily cut to length and the whole assembly pre-mounted using smart side-by-side brackets, which is a huge timesaver for the installer. This makes EasySafe one of the most secure systems on the market. Moreover, EasySafe is suitable for connecting to hydrogen devices, ready for the future!



UNIQUE FEATURES

Safety

Closed, concentric system that prevents the flue gases from entering the living space, combined with the tensile connection, ensures a high level of safety.

Tensile strength (>450N)

The system is equipped with a unique tensile resistant connection (> 45 kg) which maximizes the safety of the flue gas discharge system during its lifetime.

Ease of installation

The EasySafe concentric push-fit system is easy to assemble and shorten in one go.

Fixing brackets

The EasySafe fixing bracket is a new dimension in laterally fixing brackets.

Durable

The high-quality, recyclable, PP material is condensation-resistant and tested for a long service life.



UKCA/CE marking: EN 14471 : 2013 + A1 : 2015
 Declaration of Performance: 001-MG-PP DoP
 System 0.9: T120 H1 W2 O00 LI E U1*

* See chapter Flue gas design tools for explanation



EASYSAFE**TENSILE RESISTANT, PLASTIC CONCENTRIC FLUE GAS DISCHARGE SYSTEM****FX EASY COMBINATION SET (EASYSAFE SKYLINE ROOF TERMINAL + FX EASY PITCHED ROOF FLASHING)**

Ø (mm)	Colour above roof	Total length (mm)	Article number
60/100	Black	1280	40 047 20 09

**EASYSAFE SKYLINE 3000 HR PP ROOF TERMINAL**

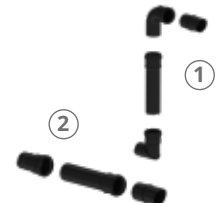
Ø (mm)	Colour above roof	Total length (mm)	Article number
60/100	Black	1280	41 045 27 42
60/100 XL	Black	1625	40 045 27 51
60/100	Terracotta	1280	40 045 27 44

**EASYSAFE WALL TERMINAL**

Ø (mm)	Total length (mm)	Article number
60/100	765	Suitable for Plume Management

**PLUME MANAGEMENT ACCESSORIES (BLACK)**

Ø (mm)	Function	Flue Material	Total length (mm)	Article number
1 60	PMK set	PP	500	41 008 12 94
2 60	Balcony Set	PP	1000	41 008 68 90
60	PMK extension	PP	1000	41 008 12 86

**EXTENSION**

Ø (mm)	Total length (mm)	Article number
60/100	250	41 047 08 70
60/100	500	41 047 08 71
60/100	1000	41 047 08 72
60/100	2000	41 047 08 73

**BEND**

Ø (mm)	Angle	Article number
60/100	15°	41 047 08 78
60/100	30°	41 047 08 77
60/100	45°	41 047 08 76
60/100	90°	41 047 08 75



FIXING BRACKET

Ø (mm)	Article number
100	40 045 22 70

**FIXING EXTENSION**

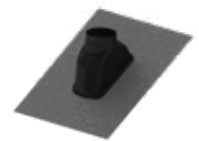
Ø (mm)	Length (mm)	Article number
100	180	40 045 22 07

**FX EASY PITCHED ROOF FLASHING (LEADAX) + HINGED COLLAR**

Ø (mm)	Colour	Roof Angle	Article number
60/100	Black	15° - 60°	40 047 20 04
60/100	Terracotta	15° - 60°	40 047 20 05

**LEAD TILE + HINGED COLLAR**

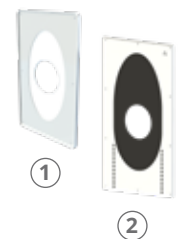
Ø (mm)	Colour	Roof Angle	Article number
60/100	Black	25° - 45°	41 045 27 50

**ALUMINIUM FLASHING PLATE**

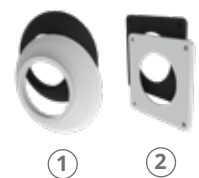
Ø (mm)	Type	Roof Angle	Article number
1 60/100	Fixed upstand	0°	40 045 31 55
2 60/100	Adjustable angle	0° - 15°	40 045 32 31

**AIRTIGHT ROOF/SEALING PLATE**

Ø (mm)	Roof Angle	Material	Diameter Range (mm)	Article number
1 60/100	20° - 45°	PP	100 - 125	40 045 34 63
2 60/100	0° - 30°	Metal	94 - 125	40 045 34 65
60/100	30° - 60°	Metal	94 - 125	40 045 34 66

**WALL PLATE**

Ø (mm)	Colour	Material	Article number
1 100	White+ Black	TPE (Flexible) Set	40 045 38 94
2 100	White	Plastic individual	40 045 38 86
100	Black	Plastic individual	40 045 38 85



TWINSAFE

TwinSafe is an industry leading concentric Push-fit flue gas discharge system with a metal air inlet tube and plastic flue liner. The inner parts are made of PP according to EN 14471-1 and equipped with proven EPDM sealing rings. The outer finish is a durable white powder coating.

The TwinSafe Push-Fit system has a double socket connection for ease of assembly and extensions can be shortened. With the TwinSafe concentric flue gas discharge system from Burgerhout you are assured of a the long-term safety of your condensing appliance.



UNIQUE FEATURES

Safety

Closed system, which prevents the flue gases from entering the living space, ensures a high level of safety.

Ease of installation

The concentric push-fit system is easy to assemble, extensions can be shortened and easily combined with other system components.

Availability

TwinSafe is available in three sizes: 60/100, 80/125 and 100/150.

Durable

The high-quality PP material is condensation-resistant and evaluated for a long service life. The inner and outer components are easy to separate for recycling.



UKCA/CE marking: EN 14471 : 2013 + A1 : 2015
 Declaration of Performance: 001-MG-PP DoP
 System 0.3: T120 H1 W2 O00 LI/LE E U0*

* See chapter Flue gas design tools for explanation



TWINSAFE

A CONCENTRIC FLUE GAS DISCHARGE SYSTEM WITH PLASTIC FLUE LINER FOR CONDENSING NEXT GENERATION/HYBRID BOILERS.

SKYLINE 3000 HR PP ROOF TERMINAL

Ø (mm)	Colour above roof	Total length (mm)	Article number
60/100	Black	1280	40 045 27 42
60/100 XL	Black	1624	40 045 27 49
60/100	Terracotta	1280	40 045 27 45
1 60/100 - 125 Combi	Black	1840	40 045 29 35
80/125	Black	1360	40 045 27 62
80/125 XL	Black	1705	40 045 27 69
80/125	Terracotta	1360	40 045 27 68
100/150	Black	1740	40 045 27 72



WALL TERMINAL + BEND

Ø (mm)		Total length (mm)	Article number
60/100	Suitable for Plume Management	765	40 047 00 87
60/100 telescopic	Suitable for Plume Management	510 - 720	40 047 00 88
80/125		736	40 045 30 80



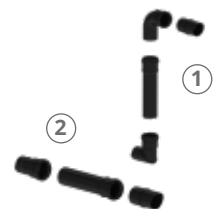
WALL TERMINAL

Ø (mm)		Total length (mm)	Article number
60/100	Suitable for Plume Management	698	40 047 00 99
80/125		736	40 045 38 52
100/150		703	41 007 63 43



PLUME MANAGEMENT ACCESSORIES (BLACK)

Ø (mm)	Function	Flue Material	Total length (mm)	Article number
1 60	PMK set	PP	500	41 008 12 94
2 60	Balcony set	PP	1000	41 008 68 90
60	PMK extension	PP	1000	41 008 12 86



SLIDING SOCKET

Ø (mm)	Total length (mm)	Insertion depth (mm)	Article number
60/100	210	30 - 160	40 047 08 74
80/125	210	30 - 160	40 047 08 84
100/150	210	30 - 160	41 008 43 58



EXTENSION

Ø (mm)	Total length (mm)	Article number
60/100	250	40 047 08 70
60/100	500	40 047 08 71
60/100	1000	40 047 08 72
60/100	2000	40 047 08 73
80/125	250	40 047 08 80
80/125	500	40 047 08 81
80/125	1000	40 047 08 82
80/125	2000	40 047 08 83
100/150	250	41 008 43 50
100/150	500	41 008 43 51
100/150	1000	41 008 43 52
100/150	2000	41 008 43 54

**EXTENSION PIPE WITH SAMPLING POINTS**

Ø (mm)	Total length (mm)	Article number
60/100	155	40 047 08 79
80/125	160	41 008 48 21
100/150	155	41 008 43 71

**BEND**

Ø (mm)	Angle	Construction	Article number
60/100	15°	Smooth	40 047 08 78
60/100	30°	Smooth	40 047 08 77
60/100	45°	Smooth	40 047 08 76
60/100	90°	Smooth	40 047 08 75
80/125	15°	Smooth	40 045 30 26
80/125	30°	Smooth	40 045 30 25
80/125	45°	Smooth	40 047 08 86
80/125	90°	Smooth	40 047 08 85
100/150	45°	Corrugated	41 008 43 63
100/150	90°	Smooth	41 008 43 60



TWINSAFE

A CONCENTRIC FLUE GAS DISCHARGE SYSTEM WITH PLASTIC FLUE LINER FOR CONDENSING NEXT GENERATION/HYBRID BOILERS.

INSPECTION TEE PIECE

Ø (mm)	Article number
60/100	41 008 46 66
80/125	41 008 48 16
100/150	40 045 30 46



CONDENSATION DRAIN CONNECTION SIZE 32MM

Ø (mm)	Article number
60/100	41 008 46 72
80/125	41 008 48 22
100/150	41 008 43 72



SIPHON

Ø (mm)	Material	Article number
32	PP	40 045 20 66



SHAFT CONNECTION WITH FIRE COLLAR

Ø (mm)	Fire rating minutes	Article number
60/100	60	40 047 01 40
80/125	60	40 047 01 41



INCREASER /ADAPTER PARTS

Ø (mm)	Article number
60/100 - 80/125	41 008 46 75
80/125 - 100/150	41 008 48 25
110/150 - 100/150	40 045 30 29
110/160 - 100/150	40 045 30 36



PLASTIC ADAPTER TWIN TO CONCENTRIC

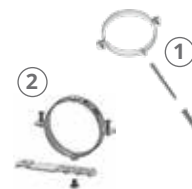
Ø (mm)	Connection centres (mm)	Article number
80-80 to 60/100	120	40 045 27 91
80-80 to 80/125*	120	40 045 29 16
100-100 to 100/150*	140	40 045 29 18



* Twinline flue extension required

FIXING BRACKET WHITE

Ø (mm)	Type	Article number
1	100 Threaded stud	40 045 22 63
	125 Threaded stud	40 045 22 43
	150 Threaded stud	40 045 22 45
2	100 Side-by-side brackets	40 045 22 61
	125 Side-by-side brackets	40 045 22 64

**FX EASY PITCHED ROOF FLASHING (LEADAX) + HINGED COLLAR**

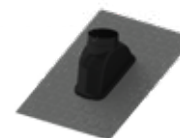
Ø (mm)	Colour	Roof Angle	Article number
60/100	Black	15° - 60°	40 047 20 04
60/100	Terracotta	15° - 60°	40 047 20 05
80/125	Black	15° - 60°	40 047 20 07
80/125	Terracotta	15° - 60°	40 047 20 08
100/150	Black	15° - 60°	40 047 20 13

**PITCHED ROOF FLASHING (LEADAX) + HINGED COLLAR FOR COMBI ROOF TERMINAL**

Type	Colour	Roof Angle	Article number
DX Pitched Roof Flashing (Leadax)	Black		40 045 40 30
Hinged Collar 200	Black	25° - 55°	40 045 37 43

**LEAD TILE + HINGED COLLAR**

Ø (mm)	Colour	Roof Angle	Article number
60/100	Black	Complete kit	41 045 27 50
80/125	Black	Complete kit	40 045 35 49
100/150	Black	Complete kit	40 045 35 48

**ALUMINIUM FLASHING PLATE**

Ø (mm)	Type	Roof Angle	Article number
1 60/100	Fixed upstand	0°	40 045 31 55
2 60/100	Adjustable angle	0° - 15°	40 045 32 31
1 80/125	Fixed upstand	0°	40 045 31 71
2 80/125	Adjustable angle	0° - 15°	40 045 32 28
1 100/150	Fixed upstand	0°	40 045 31 83
1 60/100 - 125 (Combi)	Fixed upstand	0°	40 045 31 89



TWINSAFE

A CONCENTRIC FLUE GAS DISCHARGE SYSTEM WITH PLASTIC FLUE LINER FOR CONDENSING NEXT GENERATION/HYBRID BOILERS.

ABOVE ROOF EXTENSION FOR SKYLINE 3000 HR

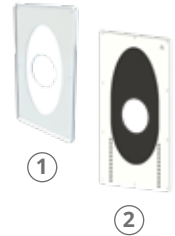
When using the roof extension piece the length of the terminal must be extended with the equivalent TwinSafe extension.

Ø (mm)	Total length (mm)	Working length (mm)	Article number
60/100	500	450	40 045 61 31
80/125	500	450	40 045 38 39
100/150	500	450	40 045 61 36



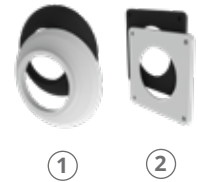
AIRTIGHT ROOF/SEALING PLATE

Ø (mm)	Roof Angle	Material	Diameter Range (mm)	Article number
1 60/100, 80/125	20° - 45°	PP	100 - 125	40 045 34 63
2 60/100, 80/125	0° - 30°	Metal	94 - 125	40 045 34 65
60/100, 80/125	30° - 60°	Metal	94 - 125	40 045 34 66
60/100 - 125 (Combi), 100/150	0° - 30°	Metal	125 - 180	40 045 34 67
60/100 - 125 (Combi), 100/150	30° - 60°	Metal	125 - 180	40 045 34 68



WALL PLATE

Ø (mm)	Colour	Material	Article number
1 100	White + Black	TPE (Flexible) Set	40 045 38 94
2 100	White	Plastic	40 045 38 86
100	Black	Plastic	40 045 38 85
125	White + Black	Plastic	40 045 38 65
150	White + Black	Plastic	40 045 38 70



STEPPED AIRTIGHT WALL SEAL

Ø (mm)	Colour	Material	Article number
113 - 117 hole to suit 100 flues	Black	EPDM	01 505 10 01



CONCENTRIC RIDGE TERMINAL

Ø (mm)	Colour	Material Flue liner	Article number
60/100	Grey/Brown	PP	01 500 02 00
60/100	Copper Brown	PP	01 500 02 50



SAFE-PP

With Safe-PP you can quickly create an aesthetically pleasing parallel system, entirely in white PP. By using Safe-PP for both flue discharge and air supply ducts you optimize the benefits of a plastic system.

Thanks to the unique fixing bracket, side by side bracketing is neater and faster. The bracket is always perfectly fixed/engaged thanks to the two-stage click system, which is also

helpful with the system build. As a result, movement is not possible. This improves safety.

Safe PP is the ideal renovation product for aluminium non-condensing parallel 80-80 system. The aluminum parts can easily be replaced by Safe-PP as the bends have the same installation size as the aluminum versions.

UNIQUE FEATURES

Safety

Safe-PP is made from extra thick polypropylene (PP) and therefore extra robust. To ensure the tightness of the connections, Safe-PP uses a double-lip EPDM sealing ring.

Ease of installation

Safe-PP is easily made to measure and easy to assemble. With the Safe-PP bends very compact construction is possible, allowing the system to fit exactly in the place of older aluminum one.

Fixing brackets

The Safe-PP fixing bracket brings a new dimension focused on safe product installation.

Durable

The high-quality PP material is resistant to the action of condensation, colour-fast and assessed for a long service life.



UKCA/CE marking: EN 14471 : 2013 + A1 : 2015
 Declaration of Performance: 001-MG-PP DoP
 System 0.2a: T120 H1 W2 O30 LI E U*

* See chapter Flue gas design tools for explanation



SAFE-PP

A WHITE SINGLE-WALLED PP FLUE GAS DISCHARGE SYSTEM FOR PARALLEL 80-80 SYSTEMS

FX EASY COMBINATION SET (SKYLINE 3000 ROOF TERMINAL PP + FX EASY PITCHED ROOF FLASHING)

Ø (mm)	Parallel connection (mm)	Colour above roof	Total length (mm)	Article number
80/125	80 - 80	Black	1360	40 047 20 10



SKYLINE 3000 HR PP ROOF TERMINAL

Ø (mm)	Parallel connection (mm)	Colour above roof	Total length (mm)	Article number
80/125	80 - 80	Black	1370	40 045 27 82
80/125 XL	80 - 80	Black	1705	40 045 27 83
80/125	80 - 80	Terracotta	1370	40 045 27 84
80/125 - 125 (Combi)	80 - 80 - 125	Black	1895	40 045 29 19



SKYLINE 3000 PP INSIDE ROOF INSTALLATION

Ø (mm)	Parallel connection (mm)	Colour above roof	Total length (mm)	Article number
60/100	80 - 80	Black	1092	40 045 27 88
Inside Roof Installation Set				40 045 27 89



WALL TERMINAL

Ø (mm)	Parallel connection (mm)	Total length (mm)	Article number
80/125	80 - 80	640	40 045 38 56



WALL TERMINAL/BALCONY SET

Ø (mm)	Parallel connection (mm)	Wall depth (mm)	Variable length outside (mm)	Article number
80/125	80 - 80	575	365 - 1345	40 045 38 49



EXTENSION

Ø (mm)	Total length (mm)	Article number
80	250	40 045 39 73
80	500	40 045 39 75
80	1000	40 045 39 77
80	2000	40 045 39 79



BEND

Ø (mm)	Angle	Article number
80	30°	40 045 39 89
80	45°	40 045 39 90
80	90°	40 045 39 92

**FIXING BRACKET**

Ø (mm)	Article number
80	40 045 22 03

**FIXING EXTENSION**

Ø (mm)	Length (mm)	Article number
100	180	40 045 22 07

**FX EASY PITCHED ROOF FLASHING (LEADAX) + HINGED COLLAR**

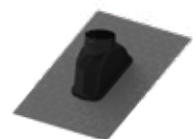
Ø (mm)	Colour	Roof Angle	Article number
80/125	Black	15° - 60°	40 047 20 07
80/125	Terracotta	15° - 60°	40 047 20 08

**DX PITCHED ROOF FLASHING (LEADAX) + HINGED COLLAR FOR COMBI ROOF TERMINAL**

Type	Colour	Roof Angle	Article number
DX Pitched Roof Flashing (Leadax)	Black		40 045 40 30
Hinged Collar 200	Black	25° - 55°	40 045 37 43

**LEAD TILE + HINGED COLLAR**

Ø (mm)	Colour		Roof Angle	Article number
80/125	Black	Complete set	25° - 45°	40 045 35 49
Combi Roof Terminal	Black	Lead Tile		40 045 40 40
	Black	Hinged Collar 200	25° - 55°	40 045 37 43



SAFE-PP**A WHITE SINGLE-WALLED PP FLUE GAS DISCHARGE SYSTEM FOR PARALLEL 80-80 SYSTEMS****ALUMINIUM FLASHING PLATE**

Ø (mm)	Type	Roof Angle	Article number
1 80/125	Fixed upstand	0°	40 045 31 71
2 80/125	Adjustable angle	0° - 15°	40 045 32 28
1 80/125 - 125 (Combi)	Fixed upstand	0°	41 045 31 89

**AIRTIGHT ROOF/SEALING PLATE**

Ø (mm)	Roof Angle	Material	Diameter Range (mm)	Article number
1 80/125	20°-45°	PP	100 - 125	40 045 34 63
2 80/125	0° - 30°	Metal	94 - 125	40 045 34 65
80/125	30° - 60°	Metal	94 - 125	40 045 34 66
80/125 - 125 (Combi)	0° - 30°	Metal	125 - 180	40 045 34 67
80/125 - 125 (Combi)	30° - 60°	Metal	125 - 180	40 045 34 68

**ABOVE ROOF EXTENSION FOR SKYLINE 3000 HR**

When using the roof extension piece the length of the terminal must be extended with the equivalent extension.

Ø (mm)	Total length (mm)	Working length (mm)	Article number
80/125	250	200	40 045 38 41
80/125	500	450	40 045 38 39
80/125	1000	950	40 045 38 37
Combi	250	200	40 045 29 25

**ROOF TERMINAL EXTENSION SKYLINE 3000 HR**

Ø (mm)	Total length (mm)	Working length (mm)	Article number
80/125	250	200	40 045 61 20
80/125	500	450	40 045 61 21
80/125	1000	950	40 045 61 22

**PLASTIC ADAPTER 60/100 CONCENTRIC TO TWIN 80-80**

Ø (mm)	Connection centres (mm)	Article number
60/100	120	40 048 01 05



TWINLINE

The robust Tinline flue gas system (grey) is perfect for connecting condensing devices. The modular system consists of a comprehensive number of components, to build a reliable PP flue gas discharge system in no time. Tinline is fully compatible with other PP (polypropylene) systems such as Multiline and Flexline (when used appropriately).

For external applications certain Tinline components 60, 80, 100 are available in Black UV-PP material. These materials form

part of an accessory kit E.G. Balcony or Plume Management Kit and can be used for approved external applications.

The unique fixing bracket for side-by-side mounting is available for sizes 80 and 100 in both grey and black. The bracket always functions perfectly thanks to the two-stage click system that is always secured. As a result, movement is not possible. This improves safety.



UNIQUE FEATURES

Safety

Tinline (grey) is made of high-quality PP and equipped with an EPDM sealing ring. Tinline (black) UV-PP has the advantage of being suitable for external applications.

Ease of installation

Tinline is simply configured and easy to install. Each tube can be easily shortened and combined with bends and other fittings to make the best configuration.

Fixing brackets

The longline fixing bracket (80, 100) exemplifying unique product design with emphasis focused on safe product installation.

Availability

Tinline PP (grey) is available in diameters: 60, 80, 100, 130, 150 and 200 and Tinline UV-PP (black) in diameters 60, 80 and 100.



UKCA/CE marking: EN 14471 : 2013 + A1 : 2015
 Declaration of Performance: 001-MG-PP DoP
 System 0.1: T120 H1 W2 O30 LI E U*

* See chapter Flue gas design tools for explanation



TWINLINE

A GREY SINGLE-WALLED PP FLUE GAS DISCHARGE SYSTEM FOR INTERNAL APPLICATIONS

EXTENSION

Ø (mm)	Total length (mm)	Article number
60	250	40 047 02 00
60	500	40 047 02 02
60	1000	40 047 02 04
60	2000	40 047 02 08
80	250	40 045 20 36
80	500	40 045 20 38
80	1000	40 045 20 40
80	2000	40 045 20 44
100	250	40 045 21 30
100	500	40 045 21 32
100	1000	40 045 21 34
100	2000	40 045 21 38
130	250	40 047 07 35
130	500	40 047 07 36
130	1000	40 047 07 37
130	2000	40 047 07 39
150	250	40 047 07 55
150	500	40 047 07 56
150	1000	40 047 07 57
150	2000	40 047 07 59
200	250	40 047 07 75
200	500	40 047 07 76
200	1000	40 047 07 77
200	2000	40 047 07 79



ADJUSTABLE LENGTH SOCKET

Ø (mm)	Adjustable range (mm)	Article number
60	285 - 395	40 047 02 24
80	285 - 395	40 045 20 58
100	285 - 395	40 045 21 52
130	295 - 415	40 047 07 46
150	295 - 415	40 047 07 66



EXTENSION PIPE WITH SAMPLING POINTS

Ø (mm)	Total length (mm)	Article number
60	250	40 045 30 49
80	250	40 045 30 50
100	250	40 045 30 60
130	250	40 045 30 59
150	250	40 045 30 43
200	250	40 045 30 39

**BEND**

Ø (mm)	Angle	Article number
60	45°	40 047 02 14
60	90°	40 047 02 10
80	15°	40 045 20 52
80	30°	40 045 20 50
80	45°	40 045 20 48
80	90°	40 045 20 46
100	15°	40 045 21 48
100	30°	40 045 21 46
100	45°	40 045 21 44
100	90°	40 045 21 40
130	30°	40 047 07 42
130	45°	40 047 07 41
130	90°	40 047 07 40
150	30°	40 047 07 62
150	45°	40 047 07 61
150	90°	40 047 07 60
200	45°	40 047 07 81
200	90°	40 047 07 80

**SUPPORT BEND**

Ø (mm)	Angle	Article number
60	90°	40 047 02 12
60-80	90°	40 045 20 55
80	90°	40 045 20 47
100	90°	40 045 21 42
130	90°	40 047 07 47
150	90°	40 047 07 67
200	90°	40 047 07 87



TWINLINE

A GREY SINGLE-WALLED PP FLUE GAS DISCHARGE SYSTEM FOR INTERNAL APPLICATIONS

SUPPORT STRIP USED WITH SUPPORT BEND

Application	Article number
Chimneys/Shafts	40 045 20 80



CONDENSATION DRAIN WITH CONNECTION SIZE 32MM

Ø (mm)	Article number
60	40 047 02 20
80	40 045 20 54
100	40 045 21 50
130	40 047 07 43
150	40 047 07 63



SIPHON

Ø (mm)	Material	Article number
32	PP	40 045 20 66



INSPECTION TEE PIECE

Ø (mm)	Article number
60	40 045 30 52
80	40 045 30 51
100	40 045 30 55
130	40 045 30 57
150	40 045 30 62
200	40 045 30 41



INCREASER

Ø (mm)	Total length (mm)	Article number
60-80	110	40 047 02 22
80-100	110	40 045 20 56
100-130	110	40 047 07 24
130-150	110	40 047 07 44
150-200	110	40 047 07 64



REDUCER/ADAPTER PARTS

Ø (mm)	Total length (mm)	Article number
80-60	150	40 047 02 25
80-60	125	40 047 02 23
100-80	110	40 045 20 57
130-100	110	40 047 07 45
150-130	110	40 047 07 65
200-150	110	40 047 07 84

**END COVER**

Ø (mm)	Article number
130	40 047 07 48
150	40 047 07 68
200	40 047 07 88

**FIXING BRACKET**

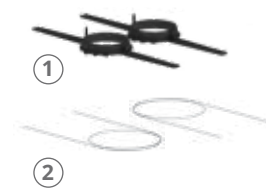
Ø (mm)	Material	Article number
1 60	PP	40 047 02 40
2 80	PP	40 045 22 04
100	PP	40 045 22 71

**FIXING EXTENSION**

Ø (mm)	Length (mm)	Article number
80, 100	180	40 045 22 07

**SPACER**

Ø (mm)	Material	Article number
1 80	PP	40 045 20 60
100	PP	40 045 21 54
2 130	Galvanised Steel	40 047 08 19
150	Galvanised Steel	40 047 08 05
200	Galvanised Steel	40 047 08 18



BLACK UV-PP FLUE MATERIALS FOR EXTERNAL USE

FLUE EXTENSION PIPE UV-PP

Ø (mm)	Total length (mm)	Colour	Material	Article number
60*	1000	Black	UV-PP	41 008 12 86
80*	1000	Black	UV-PP	41 008 23 41
100*	1000	Black	UV-PP	41 012 09 92
100*	2000	Black	UV-PP	41 012 09 98

* Including support bracket



BEND UV-PP

Ø (mm)	Angle	Colour	Material	Article number
60	45°	Black	UV-PP	41 008 12 85*
60	90°	Black	UV-PP	41 008 12 84
80	45°	Black	UV-PP	41 008 23 42*
80	90°	Black	UV-PP	41 008 23 43
100	45°	Black	UV-PP	41 012 09 94
100	90°	Black	UV-PP	41 012 09 93

* 2 pieces



EXTENSION WITH SAMPLING POINT UV-PP

Ø (mm)	Colour	Material	Article number
100	Black	UV-PP	01 530 56 00



FIXING BRACKET

Ø (mm)	Colour	Material	Article number
60	Black	UV-PP	41 007 19 03
80	Black	UV-PP	40 045 22 06
100	Black	UV-PP	40 045 22 72



OUTLET PIECE UV-PP

Ø (mm)	Colour	Material	Article number
60	Black	UV-PP	41 019 89 12
80	Black	UV-PP	41 018 23 44
100	Black	UV-PP	41 013 62 78



FLUE DEFLECTOR UV-PP

Ø (mm)	Colour	Material	Article number
60	Black	UV-PP	41 008 12 95



OUTLET GRILL

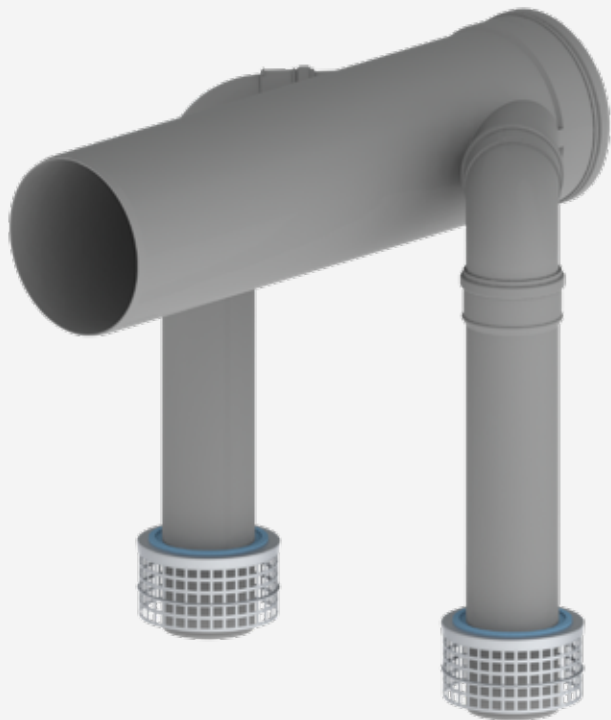
Ø (mm)	Material	Article number
80	Stainless Steel	41 018 23 64
100	Stainless Steel	01 508 40 12



MULTILINE

The robust grey PP Multiline system is suitable for condensing appliances and is easily configured to suit modern cascade set-ups. The modular system consists of injection moulded optiflow collectors and supporting component parts, from which a reliable flue gas discharge system can be easily built. Multiline is suitable for in line, back-to-back and double in line cascade arrangements.

Multiline may be combined with articles from Twinline range to create suitable boiler connections (with or without non-return valves).



UNIQUE FEATURES

Safety

Multiline is made of high-quality polypropylene and equipped with EPDM sealing rings.

Availability

- Suitable for in line, back-to-back and double in line setups,
- Suitable for both underpressure and overpressure systems. An overpressure system requires a non-return valve per boiler.
- Available in three diameters: 130, 150 and 200 mm

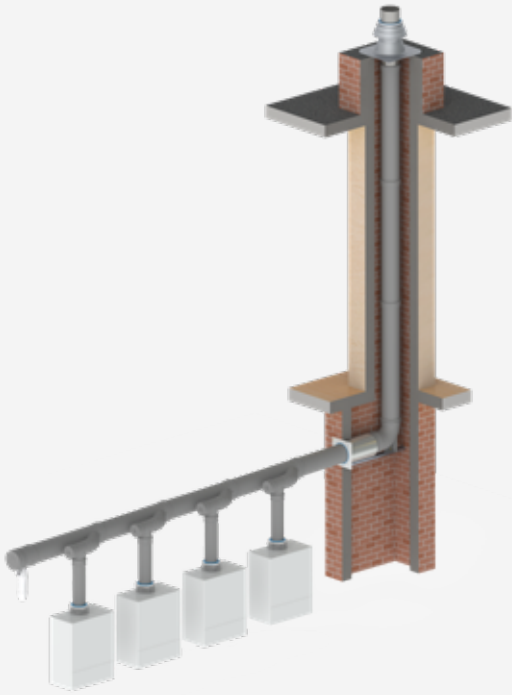
Durable

The high-quality PP material is resistant to condensation and tested for a long service life.

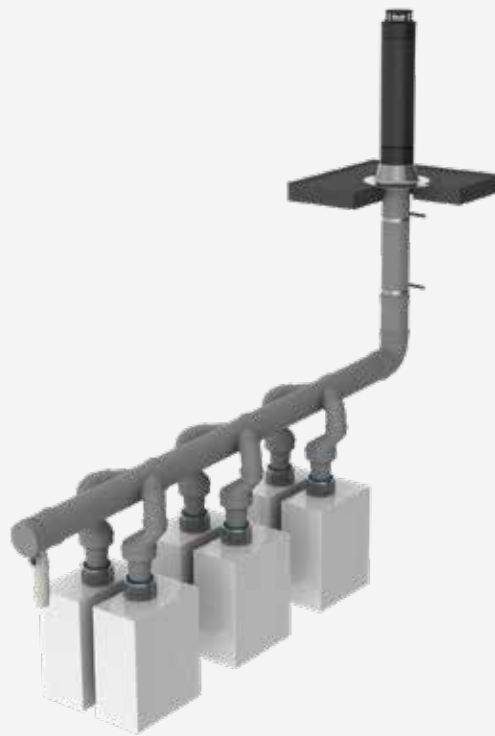


UKCA/CE marking: EN 14471 : 2013 + A1 : 2015
 Declaration of Performance: 001-MG-PP DoP
 System 0.1: T120 H1 W2 O30 LI E U*

* See chapter Flue gas design tools for explanation



In line set-up



Back-to-back set-up



Double in line set-up

MULTILINE

CASCADE SYSTEM FOR CONDENSING APPLIANCES WITH PP FLUE GAS PIPE

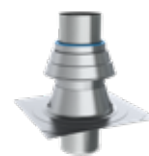
HR ROOF TERMINAL PP

Ø (mm)		Article number
130	(Use with Twinline reducers for 80 & 100 diameters)	40 047 07 54
150		40 047 07 74
200		40 047 07 94



HR CHIMNEY CAP WITH AIR INTAKE

Ø (mm)	Article number
130	40 047 07 51
150	40 047 07 71
200	40 047 07 91



IN LINE COLLECTOR KIT WL 700 MM

Ø (mm)	Type	Ø Connection (mm)	Article number
130	No valve	80	40 047 08 32
150	With non-return valve	100	40 047 08 36
150	No valve	100	40 047 08 61
200	With non-return valve	100	40 047 08 40
200	No valve	100	40 047 08 65



BACK TO BACK COLLECTOR KIT WL 700 MM

Ø (mm)	Type	Ø Connection (mm)	Article number
130	No valve	80	40 047 08 34
150	With non-return valve	100	40 047 08 38
150	No valve	100	40 047 08 63
200	With non-return valve	100	40 047 08 42
200	No valve	100	40 047 08 67



EXTENSION PIPE

Ø (mm)	Total length (mm)	Article number
80	250	40 045 20 36
80	500	40 045 20 38
80	1000	40 045 20 40
80	2000	40 045 20 44
100	250	40 045 21 30
100	500	40 045 21 32
100	1000	40 045 21 34
100	2000	40 045 21 38
130	250	40 047 07 35
130	500	40 047 07 36
130	1000	40 047 07 37
130	2000	40 047 07 39
150	250	40 047 07 55
150	500	40 047 07 56
150	1000	40 047 07 57
150	2000	40 047 07 59
200	250	40 047 07 75
200	500	40 047 07 76
200	1000	40 047 07 77
200	2000	40 047 07 79

**SUPPORT BEND**

Ø (mm)	Angle	Article number
130	90°	40 047 07 47
150	90°	40 047 07 67
200	90°	40 047 07 87

**SUPPORT STRIP USED WITH SUPPORT BEND**

Application	Article number
Chimneys/Shafts	40 045 20 80



MULTILINE**CASCADE SYSTEM FOR CONDENSING APPLIANCES WITH PP FLUE GAS PIPE****BEND**

Ø (mm)	Angle	Article number
130	30°	40 047 07 42
130	45°	40 047 07 41
130	90°	40 047 07 40
150	30°	40 047 07 62
150	45°	40 047 07 61
150	90°	40 047 07 60
200	45°	40 047 07 81
200	90°	40 047 07 80

**CONDENSATION DRAIN WITH SIPHON CONNECTION SIZE 32MM**

Ø (mm)	Article number
130	41 008 13 49
150	41 008 13 50
200	41 008 13 60

**TEE PIECE WITH CONDENSATION DRAINAGE**

Ø (mm)	Article number
130	40 045 30 58
150	40 045 30 63
200	40 045 30 40

**SIPHON**

Ø (mm)	Material	Article number
32	PP	40 045 20 66

**NON-RETURN VALVE**

Ø (mm)	Article number
1 80	40 045 30 37
2 100	40 047 08 13

**DOUBLE IN-LINE ADAPTER**

Ø (mm)	Article number
150-150-200	40 047 08 30



AIR INLET

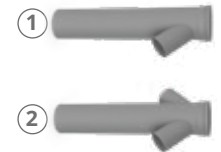
\emptyset (mm)	Article number
1 80	40 047 08 06
100	40 047 08 09
2 80/125	40 047 08 07
100/150	40 047 08 10

**CONNECTION KIT - CONCENTRIC TO \emptyset 100 MM**

\emptyset (mm)	Article number
80/125	40 047 08 12

**COLLECTOR PIPE**

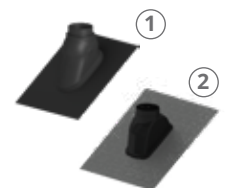
\emptyset (mm)	Type	\emptyset Connection (mm)	Article number
1 130	In line	80	40 047 08 21
150	In line	100	40 047 08 23
2 200	In line	100	40 047 08 25
130	Back-to-Back	80	40 047 08 22
150	Back-to-Back	100	40 047 08 24
200	Back-to-Back	100	40 047 08 26

**ALUMINIUM FLASHING PLATE**

\emptyset (mm)	Article number
130	40 045 31 80
150	40 045 31 86
200	40 045 31 92

**LEAD TILE + HINGED COLLAR**

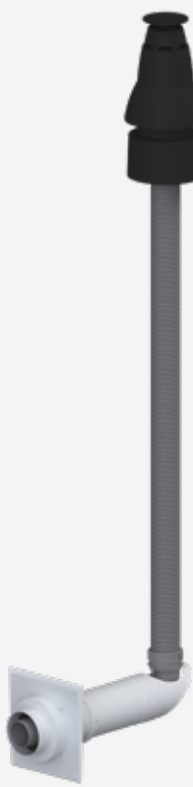
\emptyset (mm)	Material	Roof Angle	Article number
1 130	FX Easy (Leadax)	15° - 60°	40 045 40 34
2 150	Lead tile		40 045 40 40
	Hinged collar	25° - 55°	40 045 37 39
200	Fixed lead tiles made to order		



FLEXIBLE FLUE GAS DISCHARGE

The PP (polypropylene) Flex family is ideally suited for properties containing multiple appliances. Used for many years in renovations projects, individual and collective Flex systems have been quickly installed in flats and apartments with minimal inconvenience. Regular ducts or chimneys are usually sufficient

for the majority of installations. All Flex systems work in the same way; assembly is done by means of a click connection which creates a tensile joint. With the smart solutions of MiniFlex, Flexline, TwinFlex and MultiFlex, renovations are easy to conduct, even in the most difficult situations.



MiniFlex
Individual flue gas discharge
• 60 mm MiniFlex-System



Flexline
Individual flue gas discharge
• 80 mm Flex-System
• 100 mm Flex-System
• 130 mm Flex-System



TwinFlex
Individual concentric
flue gas discharge
• 80/130 mm
TwinFlex-System



MultiFlex
Shared flue gas system (60 or 80 mm
connection)
• 100 mm MultiFlex-System:
three to four storeys
• 130 mm MultiFlex-System:
five to six storeys



UNIQUE FEATURES

Safety

All flexible liners are double-walled; an additional guarantee of gas tightness. Even in the event of damage to the outer surface by a rough shaft, the integrity of the system remains gas tight. The double wall has another advantage. The smooth inner wall of the liner ensures a low flow resistance.

Ease of installation

The flexible tubes are easy to assemble, lightweight, easy to shorten and have an enormous pulling force. The special couplings with EPDM seals and tensile click system, ensure the system can be assembled safely and quickly without tools.

Availability

The Flex family is available in diameters: 60, 80, 100, 130 and as concentric 80/130.

Durable

The Flex material is highly resistant to aggressive condensation. The double wall ensures that condensation is well drained when installed under a slope of up to 45 degrees.

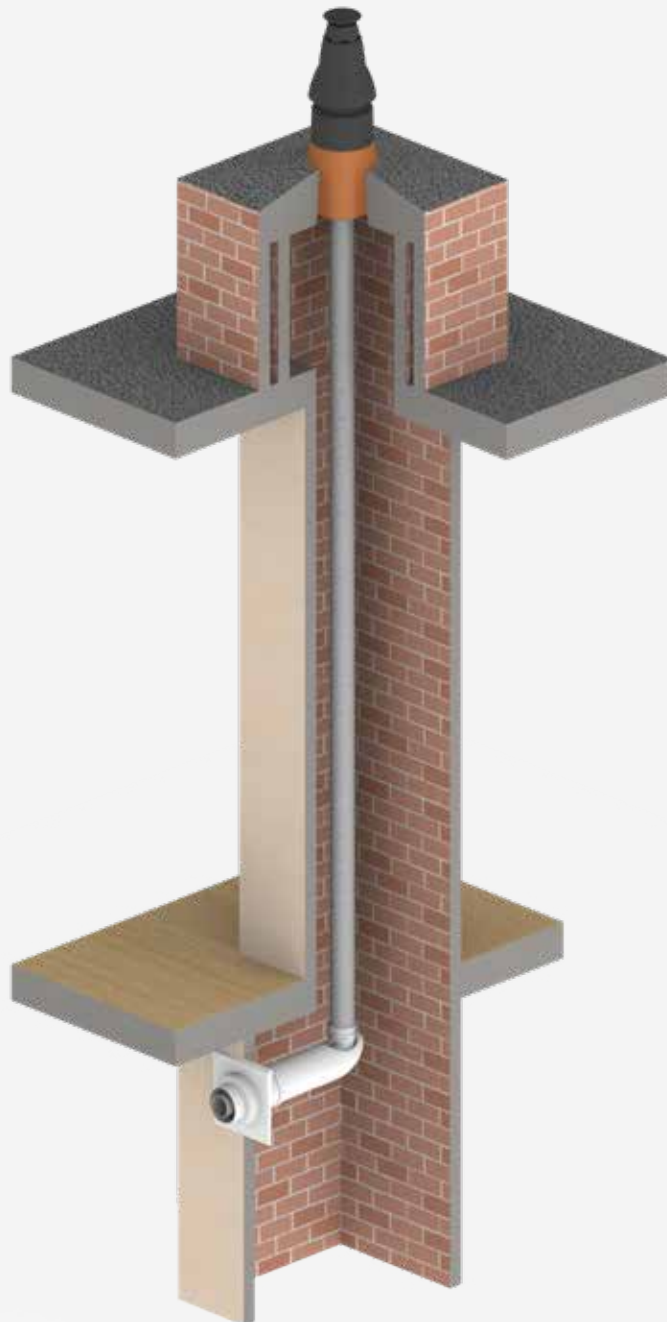


DIMENSION FLEXIBLE LINER

Nominal (mm)	Internal diameter (mm)	External diameter (mm)
60	54	63
80	81	98
100	101	118
130	130	147
80/130	81/130	98/147

MINIFLEX**FLEXIBLE PP SOLUTION FOR RENOVATION AND NEW INSTALLATIONS**

Individual renovation solution with MiniFlex 60 mm and fire stop 60/100



UKCA/CE marking:

Declaration of Performance:

System 0.4:

EN 14471 : 2013 + A1 : 2015

001-MG-PP DoP

T120 H1 W2 O30 LI E U*

* See chapter Flue gas design tools for explanation

SKYLINE TERMINAL SET

Ø (mm)	Application	Height (mm)	Article number
1 60	Chimney connection Ø158		40 047 03 14
2 60	Flashing Plate for chimney	50	40 047 03 15
3 60	Flashing Plate	218	40 047 02 74



FLEXIBLE TUBE

Ø (mm)	Length (m)	Article number
60	10	40 047 03 47
60	15	40 075 58 01
60	25	40 047 03 32
60	50	40 047 03 30



Stockists can supply cut to length

COUPLING SET WITH EXTENDED BEND

Ø (mm)	Angle	Length (mm)	Article number
1 60	90°	595	40 047 03 36
2 80 - 60	90°	595	40 047 13 74



COUPLING SET

Ø (mm)	Article number
60	40 047 03 31
80 - 60	40 047 13 75



CONCENTRIC SHAFT CONNECTION WITH FIRE STOP

Ø (mm)	Fire rating minutes	Article number
60/100	60	40 047 01 42



MINIFLEX

FLEXIBLE PP SOLUTION FOR RENOVATION AND NEW INSTALLATIONS

SHAFT CONNECTION INCLUDING AIR SUPPLY

Ø (mm)	Ø To suit (mm)	Article number
60	60/100	40 047 03 26
60	80 - 80	40 047 03 25



SHAFT CONNECTION WITH SUPPORT

Ø (mm)	Ø To suit (mm)	Article number
60	60	40 047 03 38



CONCENTRIC SHAFT CONNECTION

Ø (mm)	Ø To suit (mm)	Angle	Article number
1 60	60/100	90°	40 047 03 37
2 60	60/100	45°	40 047 03 06



TWINLINE REDUCER PP

Ø (mm)	Total length (mm)	Article number
80 - 60 Reducer	150	40 047 02 25
80 - 60 Reducer	125	40 047 02 23



MOUNTING SET INCLUDING 15 METRE NYLON CORD

Ø (mm)	Article number
60	40 047 03 35



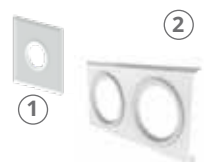
FLEX FORK, MOUNTING AID FOR TEMPORARY SUPPORT OF FLEXIBLE TUBE

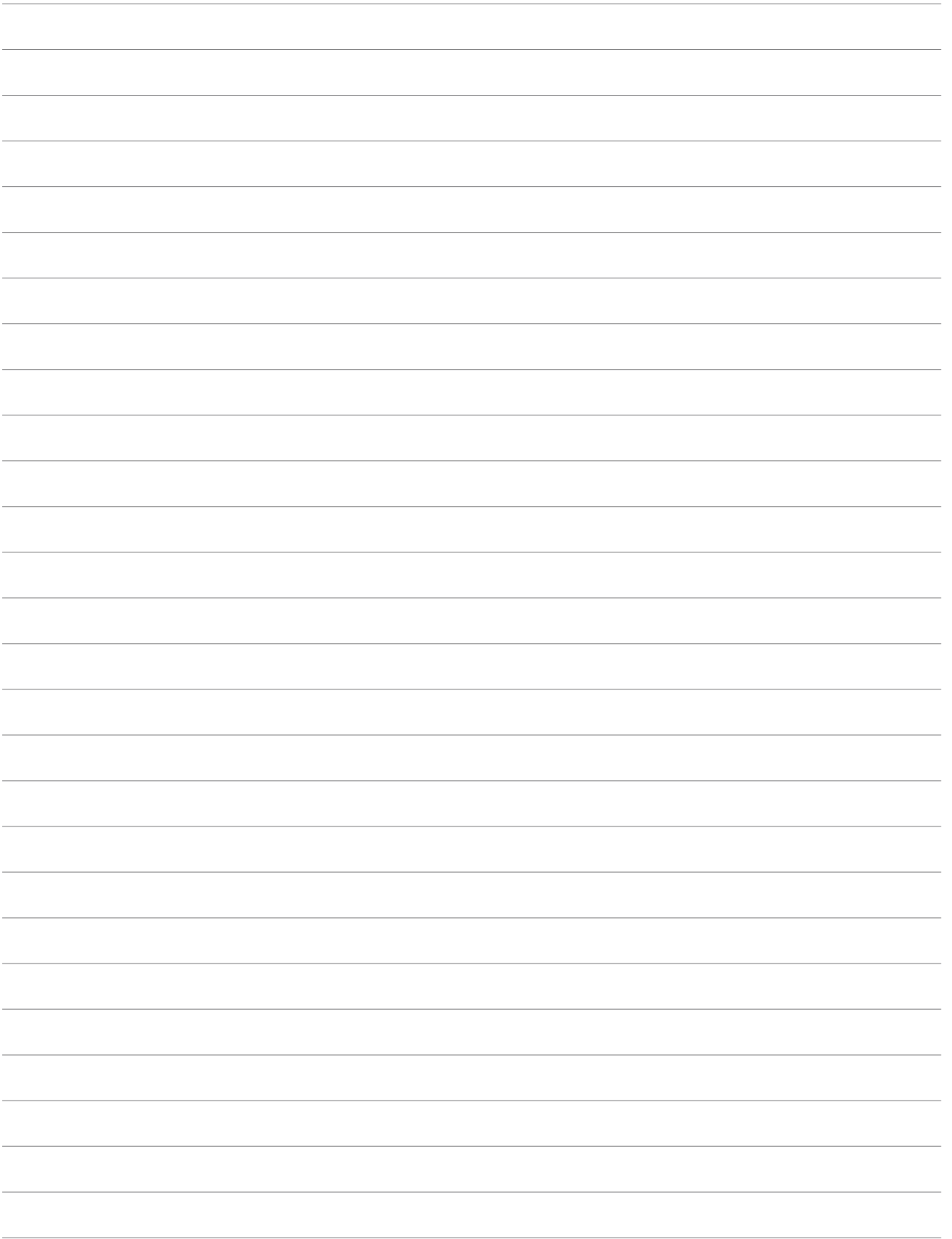
Ø (mm)	Article number
60	40 047 03 70



WALL COVER PLATE

Ø (mm)	Dimensions (mm)	Article number
1 80	220 x 220	40 047 03 16
2 80 - 80	120 x 240; 120 mm centres	40 047 03 24

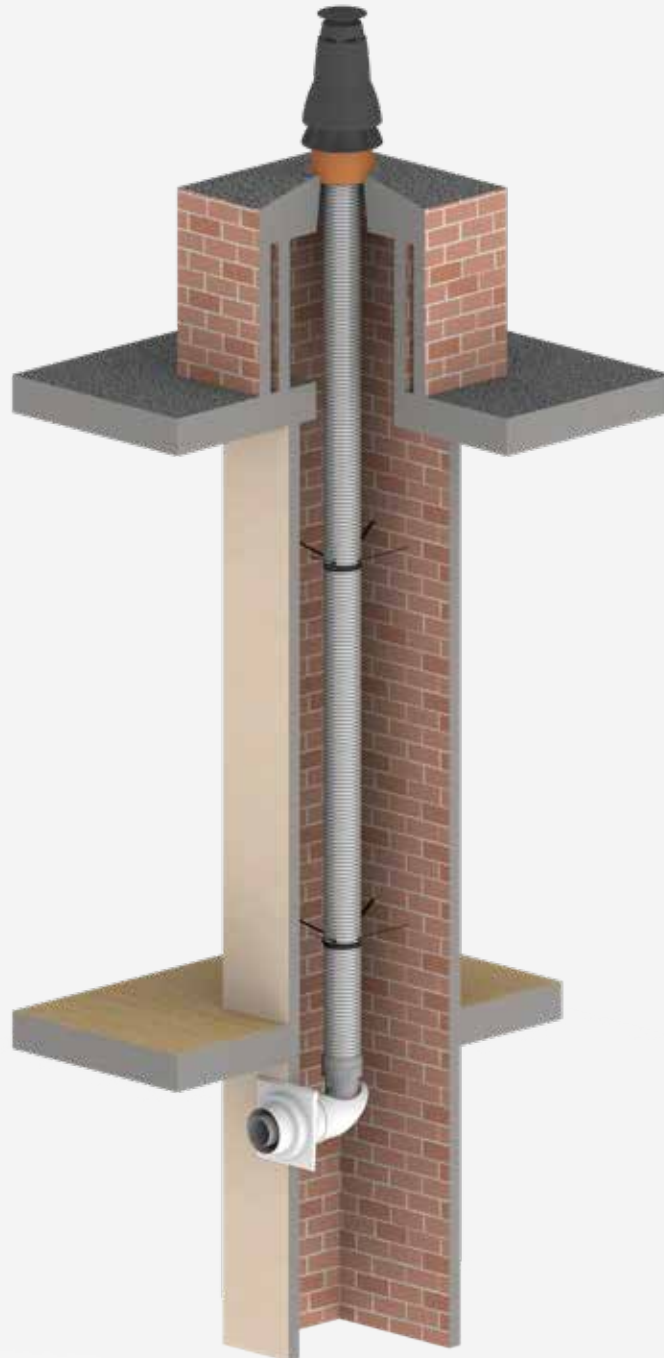




FLEXLINE

FLEXIBLE SOLUTION FOR INDIVIDUAL PP FLUE GAS LINERS

Individual renovation solution with Flexline 80, 100, 130 mm for existing chimneys and shafts



UKCA/CE marking:

Declaration of Performance:

System 0.4:

EN 14471 : 2013 + A1 : 2015

001-MG-PP DoP

T120 H1 W2 O30 LI E U*

* See chapter Flue gas design tools for explanation

SKYLINE TERMINAL SET

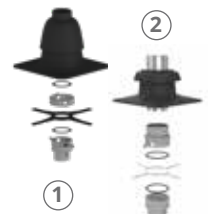
Ø (mm)	Application	Height (mm)	Article number
1 80	Chimney connection Ø158		40 047 03 45
2 80	Flashing Plate for chimney	50	40 047 03 15
3 80	Flashing Plate	218	40 047 02 74

**STAR CHIMNEY CAP**

Ø (mm)	Flue outlet material	Article number
80	Aluminium	40 045 20 83
80	Stainless steel	41 008 54 96
100	Aluminium	40 045 21 75
100	Stainless steel	41 008 54 97
130	Aluminium	40 047 02 61
130	Stainless steel	41 008 51 97

**CHIMNEY CAP & FLEX CONNECTION SET**

Ø (mm)	Article number
1 80	40 045 20 81
2 100	40 045 21 73
2 130	40 047 02 66

**STAINLESS STEEL EXTENSION PIPE WITH DIFFUSER**

Ø (mm)	Total length (mm)	Article number
80	666	40 045 20 97
100	709	40 045 20 98
130	773	40 045 20 99

**FLEXIBLE TUBE**

Ø (mm)	Length (m)	Article number
80	10	40 045 20 68
80	25	40 045 20 70
80	50	40 045 20 72
100	10	40 045 21 62
100	30	40 045 21 64
130	15	40 047 02 49
130	30	40 047 02 50



FLEXLINE**FLEXIBLE SOLUTION FOR INDIVIDUAL PP FLUE GAS LINERS****COUPLING SET WITH EXTENDED BEND**

Ø (mm)	Angle	Length (mm)	Article number
80	90°	595	40 047 03 29

**COUPLING FLEX-RIGID (TOP)**

Ø (mm)	Article number
80	40 045 20 74
100	40 045 21 68
130	40 047 02 52

**COUPLING RIGID-FLEX (BOTTOM)**

Ø (mm)	Article number
80	40 045 20 78
100	40 045 21 72
130	40 047 02 54

**COUPLING FLEX-FLEX**

Ø (mm)	Article number
80	40 045 20 76
100	40 045 21 70
130	40 047 02 53

**SUPPORT BEND**

Ø (mm)	Angle	Article number
80	90°	40 045 20 47
100	90°	40 045 21 42
130	90°	40 047 07 47

**SUPPORT STRIP USED WITH SUPPORT BEND**

Application	Article number
Chimneys/Shafts	40 045 20 80

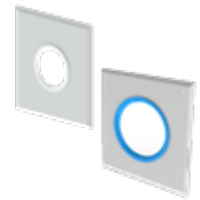
**EXTENSION**

Ø (mm)	Total length (mm)	Article number
80	250	40 045 20 36
80	500	40 045 20 38
100	250	40 045 21 30
100	500	40 045 21 32
130	250	40 047 07 35
130	500	40 047 07 36



WALL COVER PLATE

Ø (mm)	Article number
80	40 047 03 16
100	40 045 38 98
130	40 045 30 53

**SHAFT CONNECTION WITH FIRE STOP**

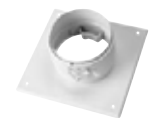
Ø (mm)	Fire rating minutes	Article number
80/125	60	40 047 01 43

**CONCENTRIC SHAFT CONNECTION (AIR/FLUE) & SUPPORT**

Ø (mm)	Ø To suit (mm)	Article number
80	80/125	40 047 03 33

**SHAFT CONNECTION WALL PLATE**

Ø (mm)	Ø To suit (mm)	Article number
80	80/125	40 045 21 18
100	100/150	40 045 21 92

**MOUNTING SET INCLUDING 15 METRE NYLON CORD**

Ø (mm)	Article number
80	40 045 20 73
100	40 045 21 66
130	40 047 02 51

**FLEX FORK, MOUNTING AID FOR TEMPORARY SUPPORT OF FLEXIBLE TUBE**

Ø (mm)	Article number
80	40 047 03 71
100	40 047 03 72
130	40 047 03 73

**MOUNTING CROSS FLEX SUPPORT**

Ø (mm)	Material	Article number
80	Aluminium	40 045 20 84
100	Stainless steel	40 045 21 76
130	Stainless steel	40 047 02 59

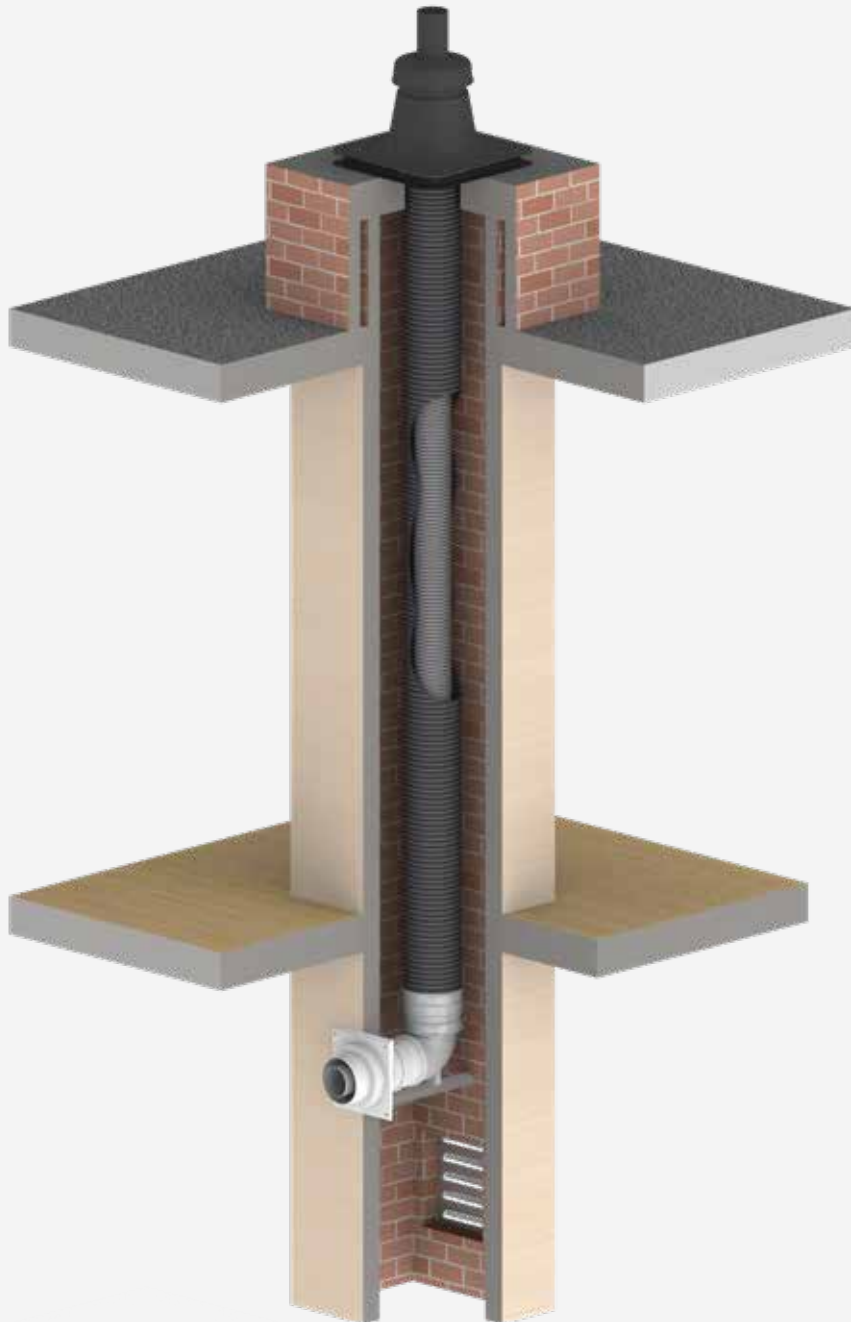
**SPACER FOR FLEXIBLE TUBE**

Ø (mm)	Material	Article number
80, 100	PP	40 045 20 62
130	PP	41 000 04 02



TWINFLEX**CONCENTRIC 80/130 FLEXIBLE PP SOLUTION FOR SHAFTS AND CHIMNEYS**

Individual concentric renovation solution in existing shaft with
TwinFlex 80/130 and Fire Stop 80/125



UKCA/CE marking:

Declaration of Performance:

System 0.6:

EN 14471 : 2013 + A1 : 2015

001-MG-PP DoP

T120 H1 W2 O00 LI E U1*

* See chapter Flue gas design tools for explanation

STAR CHIMNEY CAP

Ø (mm)	Flue outlet material	Article number
80	Aluminium	40 045 20 83
80	Stainless steel	41 008 54 96

**VENTILATION PLATE FOR STAR CHIMNEY CAP**

Dimensions (mm)	Article number
377 x 377	40 047 02 75

**SKYLINE TERMINAL SET**

Ø (mm)	Application	Height (mm)	Article number
1 80	Chimney connection 158		40 047 03 45
2 80	Flashing Plate	218	40 047 02 74

**CONNECTION SET (FITS PP 80/125 CONCENTRIC SYSTEMS)**

Ø (mm)	Article number
80/130	40 047 02 70

**FLEXIBLE TUBE**

Ø (mm)	Length (m)	Article number
80/130	10	40 047 02 76
80/130	15	40 047 02 78

**CONCENTRIC SUPPORT BEND**

Ø (mm)	Angle	Article number
80/125	90°	40 047 02 73
60/100 (including increaser to 80/125)	90°	40 047 02 71

**EXTENSION**

Ø (mm)	Total length (mm)	Article number
60/100	500	40 047 08 71
60/100	1000	40 047 08 72
80/125	500	40 047 08 81
80/125	1000	40 047 08 82

**CONCENTRIC SHAFT CONNECTION WITH FIRE COLLAR**

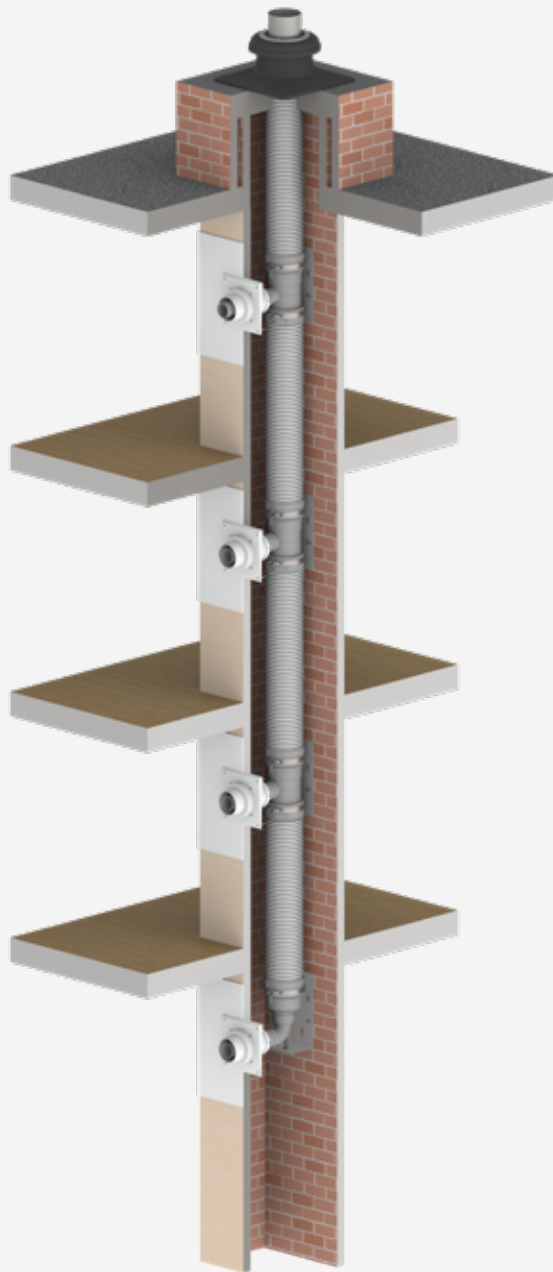
Ø (mm)	Fire rating minutes	Article number
60/100	60	40 047 01 40
80/125	60	40 047 01 41



MULTIFLEX

FLEXIBLE PP RENOVATION SOLUTION FOR STACKED BUILDINGS AND APARTMENTS

Renovation solution for shared chimneys and shafts with MultiFlex 100 or 130 mm.
The connection is carried out with a fire stop.



UKCA/CE marking:

Declaration of Performance:

System 0.4:

EN 14471 : 2013 + A1 : 2015

001-MG-PP DoP

T120 H1 W2 O30 LI E U*

* See chapter Flue gas design tools for explanation

STAR CHIMNEY CAP

Ø (mm)	Flue outlet material	Article number
100	Aluminium	40 045 21 75
130	Aluminium	40 047 02 61
100	Stainless Steel	41 008 54 97
130	Stainless Steel	41 008 51 97

**CHIMNEY CAP AND FLEX CONNECTION KIT**

Ø (mm)	Article number
100	40 045 21 73
130	40 047 02 66

**STAINLESS STEEL EXTENSION PIPE WITH DIFFUSER**

Ø (mm)	Total length (mm)	Article number
100	709	40 045 20 98
130	773	40 045 20 99

**FLEXIBLE TUBE**

Ø (mm)	Length (m)	Article number
100	10	40 045 21 62
100	30	40 045 21 64
130	3,2	40 035 41 08
130	15	40 047 02 49
130	30	40 047 02 50

**COUPLING FLEX-RIGID (TOP)**

Ø (mm)	Article number
100	40 045 21 68
130	40 047 02 52



MULTIFLEX

FLEXIBLE PP RENOVATION SOLUTION FOR STACKED BUILDINGS AND APARTMENTS

TEE CONNECTION

Ø (mm)	Ø Branch (mm)	Article number
100	60	40 047 01 30
100	80	40 075 02 11
130	60	40 047 02 56
130	80	40 075 02 12



END CONNECTION

Ø (mm)	Ø Branch (mm)	Article number
100	60	40 047 01 36
100	80	40 075 02 13
130	60	40 047 02 57
130	80	40 075 02 14



EXTENSION

Ø (mm)	Total length (mm)	Article number
60	250	40 047 02 00
60	500	40 047 02 02
60	1000	40 047 02 04
80	250	40 045 20 36
80	500	40 045 20 38
80	1000	40 045 20 40



CONCENTRIC SHAFT CONNECTION WITH FIRE STOP

Ø (mm)	Fire rating minutes	Article number
60/100	60	40 047 01 40
80/125	60	40 047 01 41



SHAFT CONNECTION WALL PLATE

Ø (mm)	Ø Connection (mm)	Article number
60	60/100	40 047 01 26
80	80/125	40 045 21 18



MOUNTING CROSS FLEX SUPPORT

Ø (mm)	Material	Article number
100	Stainless steel	40 045 21 76
130	Stainless steel	40 047 02 59



CLV RENOVATION WITH MINIFLEX

FLEXIBLE PP RENOVATION SOLUTION FOR SEPARATE FLUE LINERS IN A STACKED CONSTRUCTION

Individual renovation solution in which each connection has its own MiniFlex 60 mm flexible tube. The MiniFlex system is placed in an existing metal CLV chimney. The connection is carried out with a fire stop.



UKCA/CE marking:

Declaration of Performance:

System 0.4:

EN 14471 : 2013 + A1 : 2015

001-MG-PP DoP

T120 H1 W2 O30 LI E U*

* See chapter Flue gas design tools for explanation

PREFABRICATED OUTLET

Ø (mm)	Article number
60	Tailor-made solution, enquire about the possibilities.

**FLEXIBLE TUBE**

Ø (mm)	Length (m)	Article number
60	25	40 047 03 32
60	50	40 047 03 30

**COUPLING SET WITH EXTENDED BEND**

Ø (mm)	Angle	Length (mm)	Article number
60	90°	595	40 047 03 36

**COVER SHELL**

Application	Article number
Air supply without spacer	40 075 02 03
Air supply including spacer	40 075 02 21

**EXTENSION PIPE FOR AIR SUPPLY**

Ø (mm)	Total length (mm)	Article number
100	250	40 045 20 22
100	500	40 045 20 24

**CONCENTRIC SHAFT CONNECTION WITH FIRE COLLAR**

Ø (mm)	Fire rating minutes	Article number
60/100	60	40 047 01 40

**MOUNTING BRACKET - CLV RENOVATION**

Ø (mm)	Article number
60	40 075 02 16

**FLEX FORK, MOUNTING AID FOR TEMPORARY SUPPORT OF FLEXIBLE TUBE**

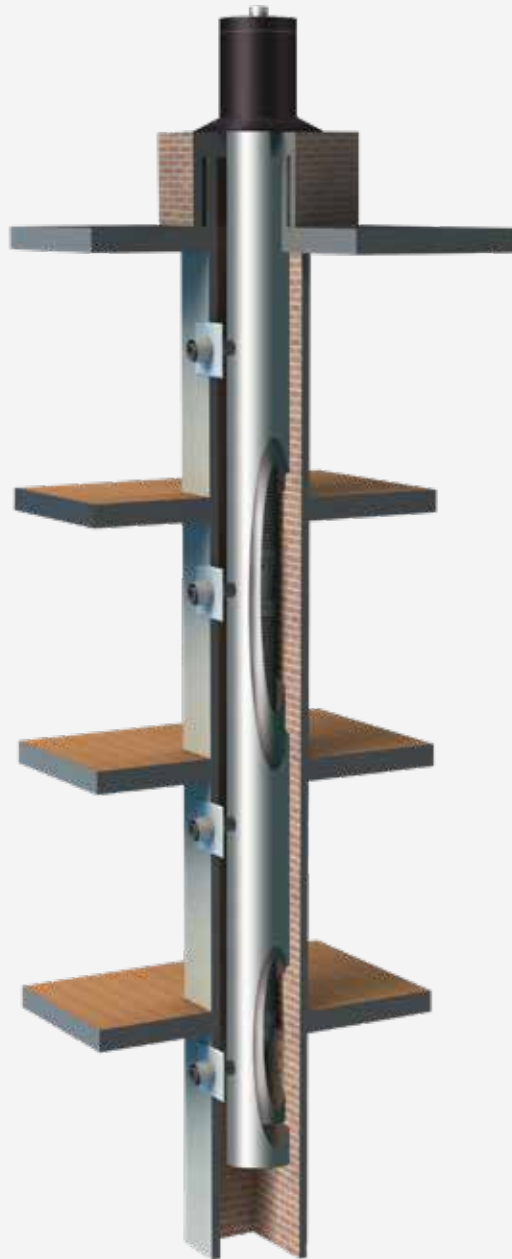
Ø (mm)	Article number
60	40 047 03 70



CLV RENOVATION WITH MULTIFLEX

FLEXIBLE PP RENOVATION SOLUTION FOR FLUE LINERS IN A SHARED STACK CONSTRUCTION

Renovation solution of a common flue gas discharge duct with MultiFlex 100 or 130mm. The MultiFlex System is installed in an existing metal CLV duct. The shaft connection is made with a fire stop 60/100.



UKCA/CE marking:

Declaration of Performance:

System 0.4:

EN 14471 : 2013 + A1 : 2015

001-MG-PP DoP

T120 H1 W2 O30 LI E U*

* See chapter Flue gas design tools for explanation

PREFABRICATED OUTLET

\emptyset (mm)	Article number
100, 130	Tailor-made solution, enquire about the possibilities.

**FLEXIBLE TUBE**

\emptyset (mm)	Length (m)	Article number
100	10	40 045 21 62
100	30	40 045 21 64
130	3,2	40 035 41 08

**COUPLING FLEX-RIGID (TOP)**

\emptyset (mm)	Article number
100	40 045 21 68
130	40 047 02 52

**TEE CONNECTION CLV RENOVATION**

\emptyset (mm)	\emptyset Branch (mm)	Article number
100	60	40 075 02 04
130	60	40 075 02 01

**END CONNECTION SET CLV RENOVATION**

\emptyset (mm)	\emptyset Branch (mm)	Article number
100	60	40 075 02 05
130	60	40 075 02 02

**EXTENSION PP**

\emptyset (mm)	Total length (mm)	Application	Article number
60	250	Flue gas	40 047 02 00
60	500	Flue gas	40 047 02 02
100	250	Air supply	40 045 20 22
100	500	Air supply	40 045 20 24

**COVER SHELL**

Application	Article number
Air supply	40 075 02 03

**CONCENTRIC SHAFT CONNECTION WITH FIRE STOP**

\emptyset (mm)	Fire rating minutes	Article number
60/100	60	40 047 01 40



OUTER WALL SYSTEM

The outer wall system is ideal for the removal of the flue gases from a condensing device along the outer façade of a building. The system has a double wall along the entire length. The space between the outer pipe and the inner pipe is separated. This space therefore has an insulating effect, so that the chance of freezing is minimal. The air supply is taken at the bottom of the system through an air intake.

The flue gas pipe is made of durable plastic PP and the outer jacket of shiny polished stainless steel. The elements are connected to each other by means of a locking clamp.

The extensive package of smart accessories will help you further with the installation of the system.



UNIQUE FEATURES

Safety

Closed system, which prevents the flue gases from entering the living space, ensures a high level of safety.

Ease of installation

The concentric system is easy to assemble, a cut-to-length extension tube is available. The TwinSafe PP 80/125 system can be connected indoors.

Availability

The outer wall system is available in size 80/125.

Durable

The high-quality PP material is condensation-resistant, the outer jacket is made of shiny polished stainless steel. Both guarantee a long service life.



UKCA/CE marking: EN 14471 : 2013 + A1 : 2015
 Declaration of Performance: 001-MG-PP DoP
 System 0.3: T120 H1 W2 O00 LI/LE E U0*

* See chapter Flue gas design tools for explanation



OUTER WALL SYSTEM

A CONCENTRIC FLUE GAS DISCHARGE SYSTEM WITH PP INNER PIPE AND STAINLESS STEEL OUTER JACKET

FLUE GAS TERMINAL

Ø (mm)	Article number
80/125	40 045 50 30



EXTENSION

Ø (mm)	Total length (mm)	Article number
80/125	500 - fixed length	40 045 50 02
80/125	1000 - fixed length	40 045 50 04
80/125	500 - cut to length	40 045 50 06



INSPECTION PIECE

Ø (mm)	Total length (mm)	Article number
80/125	250	40 045 50 08



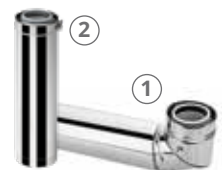
AIR INTAKE

Ø (mm)	Article number
80/125	40 045 50 00



ADAPTER

Ø (mm)	Type	Article number
1 80/125	Horizontal	40 045 50 16
2 80/125	Vertical	40 045 50 15



BEND

Ø (mm)	Angle	Article number
80/125	90°	40 045 50 10
80/125	45° (2x)	40 045 50 12



WALL PLATE (SPLIT)

\emptyset (mm)	Article number
125	40 045 50 26

**STORM COLLAR**

\emptyset (mm)	Article number
125	40 045 50 28

**SUPPORT BRACKET**

\emptyset (mm)	Setting range (mm)	Article number
125	50 - 90	40 045 50 20

**SUPPORT BRACKET EXTENSION**

\emptyset (mm)	Setting range (mm)	Article number
125	90 - 280	40 045 50 22

**ADJUSTABLE SUPPORT BRACKET**

\emptyset (mm)	Setting range (mm)	Article number
125	50 - 300	40 045 50 24







FLUE GAS SYSTEM IN METAL

TwinSafe+ Aluminium

Alu-Fix / Thick-walled Aluminium

TWINSAFE+ ALUMINIUM

TwinSafe+ Alu is a concentric flue gas discharge system with a metal outer jacket and an aluminum flue gas pipe. The inner pipe is made of thick-walled aluminum and fitted with a silicone sealing ring. The outer sheath is made of powder-coated metal in white and fitted with a clamp band with seal. The clamping band provides a tensile link.

The TwinSafe+ Alu system includes cut to length extensions which can be shortened, making this robust system easy to install.



UNIQUE FEATURES

Safety

Closed system, which prevents the flue gases from entering the living space, ensures a high level of safety.

Ease of installation

The concentric system is easy to assemble and combine with prepared cut length or adjustable extensions. The components are attached to each other by means of a clamp band. The clamping band is fitted with a sealing ring, this closes the air supply pipe airtight.

Availability

TwinSafe+ Alu is available in three sizes: 60/100, 80/125 and 100/150.



UKCA/CE Marking: EN 1856-1 : 2009
 Declaration of Performance: 001-MG-ALU DoP
 System 0.4: T200 P1 W V1 L10/11/13 150 000*

* See chapter Flue gas design tools for explanation



TWINSAFE+ ALUMINIUM**A CONCENTRIC FLUE GAS DISCHARGE SYSTEM WITH ALUMINIUM INNER PIPE****SKYLINE 3000 HR ROOF TERMINAL ALUMINIUM**

Ø (mm)	Colour above roof	Total length (mm)	Article number
60/100	Black	1280	40 045 27 40
80/125	Black	1360	40 045 27 50
100/150	Black	1745	40 045 27 74

**WALL TERMINAL ALUMINIUM**

Ø (mm)	Total length (mm)	Article number
60/100	715	40 047 00 98
80/125	746	40 045 38 58
100/150	840	41 008 79 90

**EXTENSION**

Ø (mm)	Total length (mm)	Article number
60/100	500	40 045 62 03
60/100	500 - cut to length	40 045 62 12
60/100	1000	40 045 62 06
60/100	2000	40 045 62 09
80/125	500	40 045 39 13
80/125	500 - cut to length	40 045 39 29
80/125	1000	40 045 39 15
80/125	2000	40 045 39 19
100/150	500	40 045 61 75
100/150	500 - cut to length	40 045 61 80
100/150	1000	40 045 61 78
100/150	2000	40 045 61 79

**ADJUSTABLE EXTENSION**

Ø (mm)	Total length (mm)	Article number
60/100	325-440	40 045 62 21
80/125	325-440	40 045 39 33
100/150	325-440	40 045 61 81



BEND

Ø (mm)	Angle	Construction	Article number
60/100	15°	Corrugated	40 045 62 20
60/100	30°	Corrugated	40 045 62 19
60/100	45°	Smooth	40 045 62 23
60/100	90°	Smooth	40 045 62 22
80/125	15°	Corrugated	40 045 39 01
80/125	30°	Corrugated	40 045 39 03
80/125	45°	Smooth	40 045 39 05
80/125	90°	Smooth	40 045 39 07
100/150	15°	Corrugated	40 045 61 59
100/150	30°	Corrugated	40 045 61 58
100/150	45°	Corrugated	40 045 61 57
100/150	90°	Smooth	40 045 61 54

**CONDENSATION DRAIN WITH CONNECTION SIZE 32MM**

Ø (mm)	Total length (mm)	Article number
60/100	130	40 045 62 24
80/125	130	40 045 39 31
100/150	130	40 045 61 83

**SIPHON**

Ø (mm)	Material	Article number
32	PP	40 045 20 66

**INCREASER**

Ø (mm)	Article number
60/100 - 80/125	40 045 62 25
80/125 - 100/150	40 045 61 82

**REDUCER**

Ø (mm)	Article number
80/125 - 60/100	40 045 62 27
100/150 - 80/125	40 045 61 84



TWINSAFE+ ALUMINIUM**A CONCENTRIC FLUE GAS DISCHARGE SYSTEM WITH ALUMINIUM INNER PIPE****ADAPTER 80 - 80 TO CONCENTRIC (CENTRES 120 MM)**

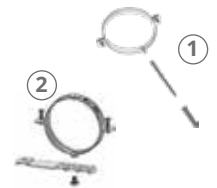
Ø (mm)	Article number
80 - 80 to 60/100	40 047 03 13
80 - 80 to 80/125	40 045 39 36

**TRANSITION PIECE FROM SINGLE 80 MM FLUE TO CONCENTRIC 60/100**

Ø (mm)	Flue Material	Article number
80 - 60/100	Stainless steel	40 047 03 09
80 - 60/100	Aluminium	40 047 03 10

**FIXING BRACKET WHITE**

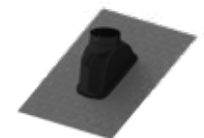
Ø (mm)	Type	Article number
1	100 Threaded stud	40 045 22 63
	125 Threaded stud	40 045 22 43
	150 Threaded stud	40 045 22 45
2	100 Side-by-side brackets	40 045 22 61
	125 Side-by-side brackets	40 045 22 64

**FX EASY PITCHED ROOF FLASHING (LEADAX) + HINGED COLLAR**

Ø (mm)	Colour	Roof Angle	Article number
60/100	Black	15° - 60°	40 047 20 04
80/125	Black	15° - 60°	40 047 20 07
100/150	Black	15° - 60°	40 047 20 13

**LEAD TILE + HINGED COLLAR**

Ø (mm)	Colour	Roof Angle	Article number
60/100	Black	25° - 45°	41 045 27 50
80/125	Black	25° - 45°	40 045 35 49
100/150	Black	25° - 45°	40 045 35 48

**ALUMINIUM FLASHING PLATE**

Ø (mm)	Type	Roof Angle	Article number
1	60/100 Fixed upstand	0°	40 045 31 55
2	60/100 Adjustable angle	0° - 15°	40 045 32 31
1	80/125 Fixed upstand	0°	40 045 31 71
2	80/125 Adjustable angle	0° - 15°	40 045 32 28
1	100/150 Fixed upstand	0°	40 045 31 83



ABOVE ROOF EXTENSION FOR SKYLINE 3000 HR

When using the roof extension piece the length of the terminal must be extended with the equivalent TwinSafe+ extension.

Ø (mm)	Total length (mm)	Working length (mm)	Article number
80/125	500	450	40 045 38 39
100/150	500	450	40 045 61 36

**ROOF TERMINAL EXTENSION SKYLINE 3000 HR**

Ø (mm)	Total length (mm)	Working length (mm)	Article number
80/125	500	450	40 045 38 95
100/150	500	450	40 045 61 49

**AIRTIGHT ROOF/SEALING PLATE**

Ø (mm)	Roof Angle	Material	Diameter range (mm)	Article number
1 60/100, 80/125	20° - 45°	PP	100 - 125	40 045 34 63
2 60/100, 80/125	0° - 30°	Metal	94 - 125	40 045 34 65
60/100, 80/125	30° - 60°	Metal	94 - 125	40 045 34 66
100/150	0° - 30°	Metal	125 - 180	40 045 34 67
100/150	30° - 60°	Metal	125 - 180	40 045 34 68



②

WALL PLATE

Ø (mm)	Colour	Type	Article number
1 100	White + Black	TPE (flexible)	40 045 38 94
2 100	White	Plastic	40 045 38 86
100	Black	Plastic	40 045 38 85
125	White + Black	Plastic	40 045 38 65
150	White + Black	Plastic	40 045 38 70



①

②

CLAMP BAND

Ø (mm)	Article number
100	40 045 62 26
125	40 045 21 14
150	40 045 61 66



ALU-FIX THICK-WALLED ALUMINIUM

Alu-Fix is a thick-walled aluminium flue gas discharge system, suitable for a parallel flue system up to 200 degrees. Alu-Fix is suitable for both HR and VR devices (closed central heating boiler). Twinline can be used for the air supply.



UNIQUE FEATURES

Safety

Alu-Fix is made of thick-walled aluminum of nominal 1,5 mm thickness and is fitted with a silicone sealing ring.

Ease of installation

Alu-Fix systems can easily be configured and assembled. Cut tubes combined with adjustable lengths provide endless possibilities.

Availability

Alu-Fix is available in sizes from diameter 80 to 250 mm.

Durable

Alu-Fix is fully recyclable.



UKCA/CE marking:

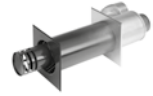
EN 1856-1 : 2009
 Declaration of Performance : 001-MG-ALU DoP
 System 0.1 : T200 P1 W V1 L10/11/13 150 O30*

* See chapter Flue gas design tools for explanation



ALU-FIX THICK-WALLED ALUMINIUM**A SINGLE-WALLED FLUE GAS DISCHARGE SYSTEM WITH THICK-WALLED ALUMINIUM FLUE GAS PIPE****M2000 WALL TERMINAL ALUMINIUM**

Ø (mm)	Parallel connection (mm)	Adapter material	Article number
80/125	80 - 80	Plastic	41 007 53 87
100/150	100 - 100	Plastic	41 002 79 20
130/200	130 - 130	Aluminium	41 107 97 84

**WALL TERMINAL/BALCONY SET ALUMINIUM**

Ø (mm)	Parallel connection (mm)	Wall depth (mm)	Variable outside length (mm)	Article number
80/125	80 - 80	575	365 - 1345	40 045 38 78
80/125	80 - 80	575	1525 - 2425	40 045 38 77

**M2000 VR ROOF TERMINAL ALUMINIUM WITH ADAPTER**

Ø (mm)	Parallel connection (mm)	Total length (mm)	Adapter material	Article number
80/125	80 - 80	1280	Plastic	41 002 90 63
100/150	100 - 100	1360	Plastic	40 045 29 28
130/200	130 - 130	1850	Aluminium	40 045 29 10

**ROOF TERMINAL ALU FOR THICK-WALLED ALUMINIUM SYSTEMS**

Ø (mm)	Article number
80	40 045 26 43
100	40 045 26 49
110	40 045 26 52
130	40 045 26 55
150	40 045 26 58
180	40 045 26 61
200	40 045 26 64



CHIMNEY CAP NELSON - ALUMINIUM

Only applicable for non-condensing boilers up to a maximum of 200°C

Ø (mm)	Art. nr.
80	40 045 23 49
100	40 045 23 55
110	40 045 23 58
130	40 045 23 64
150	40 045 23 67
180	40 045 23 70
200	40 045 23 73



ALU-FIX THICK-WALLED ALUMINIUM**A SINGLE-WALLED FLUE GAS DISCHARGE SYSTEM WITH THICK-WALLED ALUMINIUM FLUE GAS PIPE****EXTENSION**

Ø (mm)	Total length (mm)	Article number
80	250	40 045 15 30
80	500	40 045 15 32
80	1000	40 045 15 34
80	2000	40 045 15 38
100	250	40 045 16 00
100	500	40 045 16 02
100	1000	40 045 16 04
100	2000	40 045 16 08
110	250	40 045 16 24
110	500	40 045 16 26
110	1000	40 045 16 28
110	2000	40 045 16 30
130	250	40 045 16 40
130	500	40 045 16 42
130	1000	40 045 16 44
130	2000	40 045 16 46
150	250	40 045 16 56
150	500	40 045 16 58
150	1000	40 045 16 60
150	2000	40 045 16 64
180	500	40 045 16 71
180	1000	40 045 16 72
180	2000	40 045 16 73
200	500	40 045 16 77
200	1000	40 045 16 78
200	2000	40 045 16 79
250	500	40 045 16 83
250	1000	40 045 16 84

**SLIDING SOCKET**

Ø (mm)	Total length (mm)	Article number
80	210	40 045 17 68
100	210	40 045 17 72
130	210	40 045 17 76



BEND

Ø (mm)	Angle	Type	Article number
80	45°	Smooth	40 045 15 54
80	90°	Smooth	40 045 15 52
100	45°	Smooth	40 045 16 22
100	90°	Smooth	40 045 16 20
110	45°	Segment	40 045 16 38
110	90°	Segment	40 045 16 36
130	45°	Segment	40 045 16 54
130	90°	Segment	40 045 16 52
150	45°	Segment	40 045 16 70
150	90°	Segment	40 045 16 68
180	45°	Segment	40 045 16 76
180	90°	Segment	40 045 16 74
200	45°	Segment	40 045 16 82
200	90°	Segment	40 045 16 80
250	45°	Segment	40 045 16 88
250	90°	Segment	40 045 16 86

**FIXING BRACKET**

Ø (mm)	Material	Article number
80	Aluminium	40 045 22 11
100	Aluminium	40 045 22 17
110	Aluminium	40 045 22 20
125	Aluminium	40 045 22 21
130	Aluminium	40 045 22 23
150	Aluminium	40 045 22 26
180	Aluminium	40 045 22 29
200	Aluminium	40 045 22 32
250	Aluminium	40 045 22 35


**CONDENSATION DRAIN (HORIZONTAL & VERTICAL) WITH CONNECTION SIZE 32 MM**

Ø (mm)	Total length (mm)	Article number
80	185	40 045 17 52
100	185	40 045 17 56
110	185	40 045 17 58
130	185	40 045 17 60
150	185	40 045 17 62



ALU-FIX THICK-WALLED ALUMINIUM**A SINGLE-WALLED FLUE GAS DISCHARGE SYSTEM WITH THICK-WALLED ALUMINIUM FLUE GAS PIPE****SIPHON**

Ø (mm)	Material	Article number
32	PP	40 045 20 66


INCREASER


Ø (mm)	Article number
60-80	40 045 18 20
70-80	40 045 18 24
80-100	40 045 18 28
80-130	40 045 18 30
80-90	40 045 18 26
90-100	40 045 18 32
100-110	40 045 18 34
100-130	40 045 18 36
110-130	40 045 18 38
130-150	40 045 18 40


REDUCER

Ø (mm)	Article number
80-60	40 045 18 42
80-70	40 045 18 44
90-80	40 045 18 46
100-80	40 045 18 48
100-90	40 045 18 50
110-100	40 045 18 52
130-100	40 045 18 54
130-110	40 045 18 56
150-130	40 045 18 58


COUPLING

Ø (mm)	Total length (mm)	Article number
80	125	40 045 17 82
100	125	40 045 17 86



EXTENSION PIPE WITH SAMPLING POINTS

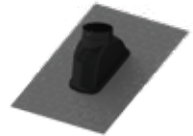
Ø (mm)	Total length (mm)	Article number
80	175	40 035 38 31
100	215	41 006 15 03

**FX EASY PITCHED ROOF FLASHING (LEADAX) + HINGED COLLAR**

Ø (mm)	Colour	Roof angle	Article number
80/125	Black	15° - 60°	40 047 20 07
100/150	Black	15° - 60°	40 047 20 13

**LEAD TILE + HINGED COLLAR**

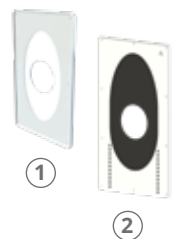
Ø (mm)	Colour	Roof angle	Article number
80/125	Black	25° - 45°	40 045 35 49
100/150	Black	25° - 45°	40 045 35 48

**ALUMINIUM FLASHING PLATE**

Ø (mm)	Type	Roof angle	Article number
1 80/125	Fixed upstand	0°	40 045 31 71
2 80/125	Adjustable angle	0° - 15°	40 045 32 28
1 100/150	Fixed upstand	0°	40 045 31 83

**AIRTIGHT ROOF/SEALING PLATE**

Ø (mm)	Roof Angle	Material	Diameter Range (mm)	Article number
1 80/125	20° - 45°	PP	100 - 125	40 045 34 63
2 80/125	0° - 30°	Metal	94 - 125	40 045 34 65
80/125	30° - 60°	Metal	94 - 125	40 045 34 66
100/150	0° - 30°	Metal	125 - 180	40 045 34 67
100/150	30° - 60°	Metal	125 - 180	40 045 34 68







ACCESSORIES

FLUE GAS

Pitched roof flashing

Flat roof flashing plate

Roof plates

Adapters

Seals

ROOF FLASHING



Burgerhout has a complete range of roof flashing with the Leadax material. Leadax is a completely circular product, with no harmful health or environmental impacts. Leadax offers the same unique properties as traditional waterproof materials, such as lead and zinc, without compromising on quality or flexibility.

FX EASY ROOF FLASHING

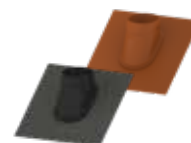
The FX Easy is Burgerhout's new roof flashing that uses the Leadax material. The FX Easy is the next step forward in ease of installation. The FX Easy roof flashing is suitable for roof pitches from 15° up to 60°. The FX hinged collar clicks into place, so the installer can be sure of a proper connection after installation of the terminal.

DX ROOF FLASHING

In addition to the successful FX Easy, there is also a variant especially for larger roof vents with a 2-tile solution. This new DX roof flashing has been developed on the basis of the well-known D flashing. Like the FX Easy, the DX is made of Leadax. The DX has a large adjustment range of 25°-55°, made possible due to the rotating hinged collar. The flashing is suitable for roof vents up to \varnothing 200 mm. It is available as an individual roof flashing in either black or terracotta, or as a complete set including the appropriate hinged collar.

FX EASY ROOF FLASHING (LEADAX)

Type	Colour	Article number
FX Easy Roof flashing	Black	40 047 20 01
FX Easy Roof flashing	Terracotta	40 047 20 02



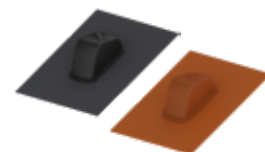
FX EASY PITCHED ROOF FLASHING (LEADAX) + HINGED COLLAR

\varnothing (mm)	Colour	Roof Angle	\varnothing Flue gas pipe external (mm)	Article number
Pitched Roof Flashing + Collar FX 120	Black	15° - 60°	100	40 047 20 04
Pitched Roof Flashing + Collar FX 120	Terracotta	15° - 60°	100	40 047 20 05
Pitched Roof Flashing + Collar FX 140	Black	15° - 60°	125	40 047 20 07
Pitched Roof Flashing + Collar FX 140	Terracotta	15° - 60°	125	40 047 20 08
Pitched Roof Flashing + Collar FX 170	Black	15° - 60°	150	40 047 20 13
Pitched Roof Flashing + Collar FX 170	Terracotta	15° - 60°	150	40 047 20 14



DX PITCHED ROOF FLASHING (LEADAX)

Type	Colour	Article number
DX Pitched Roof Flashing	Black	40 045 40 30
DX Pitched Roof Flashing	Terracotta	40 045 40 31



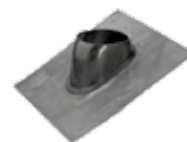
DX PITCHED ROOF FLASHING (LEADAX) + HINGED COLLAR

Type	Colour	Roof Angle	\varnothing Flue gas pipe external (mm)	Article number
DX Pitched Roof Flashing + Collar 205	Black	25° - 55°	180	40 045 40 32
DX Pitched Roof Flashing + Collar 205	Terracotta	25° - 55°	180	40 045 40 33
DX Pitched Roof Flashing + Collar 210	Black	25° - 55°	200	40 045 40 34
DX Pitched Roof Flashing + Collar 210	Terracotta	25° - 55°	200	40 045 40 35

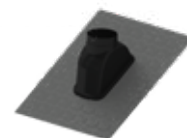


ROOF FLASHING MODEL F (LEAD)

Type	Dimensions	Article number
Pitched Roof Flashing Basic	500 x 500	40 045 35 47
Pitched Roof Flashing completely black	500 x 500	40 045 35 46
Pitched Roof Flashing Terracotta	500 x 500	40 045 35 45

**ROOF FLASHING MODEL F (LEAD) + HINGED COLLAR**

Type	Dimensions	Roof Angle	Ø Flue gas pipe external (mm)	Article number
Pitched Roof Flashing + Collar F 120	500 x 500	25° - 45°	100	41 045 27 50
Pitched Roof Flashing + Collar F 140	500 x 500	25° - 45°	125	40 045 35 49
Pitched Roof Flashing + Collar F 170	500 x 500	25° - 45°	150	40 045 35 48

**ROOF FLASHING MODEL D (LEAD)**

Type	Colour	Roof Angle	Article number
Pitched Roof Flashing	Black	-	40 045 40 40
Pitched Roof Flashing + Collar D 205	Black	25° - 55°	40 045 40 41



HINGED COLLAR

FX EASY HINGED COLLAR

Type	Colour	Roof Angle	Ø Flue Gas Tube (mm)	Article number
FX100	Black	15° - 60°	80	40 047 20 20
FX100	Terracotta	15° - 60°	80	40 047 20 21
FX110	Black	15° - 60°	90	40 047 20 22
FX110	Terracotta	15° - 60°	90	40 047 20 23
FX120	Black	15° - 60°	100	40 047 20 24
FX120	Terracotta	15° - 60°	100	40 047 20 25
FX128-132	Black	15° - 60°	110	40 047 20 26
FX128-132	Terracotta	15° - 60°	110	40 047 20 27
FX140	Black	15° - 60°	125	40 047 20 28
FX140	Terracotta	15° - 60°	125	40 047 20 29
FX150	Black	15° - 60°	130	40 047 20 30
FX150	Terracotta	15° - 60°	130	40 047 20 31
FX170	Black	15° - 60°	150	40 047 20 34
FX170	Terracotta	15° - 60°	150	40 047 20 35



HINGED COLLAR MODEL F

Type	Colour	Roof Angle	Ø Flue Gas Tube (mm)	Article number
Hinged collar F100	Black	25° - 45°	80	40 045 37 02
Hinged collar F110	Black	25° - 45°	90	40 045 37 05
Hinged collar F120	Black	25° - 45°	100	40 045 37 08
Hinged collar F120	Terracotta	25° - 45°	100	40 045 37 09
Hinged collar F128-132	Black	25° - 45°	110	40 045 37 14
Hinged collar F128-132	Terracotta	25° - 45°	110	40 045 37 13
Hinged collar F140	Black	25° - 45°	125	40 045 37 17
Hinged collar F140	Terracotta	25° - 45°	125	40 045 37 20
Hinged collar F150	Black	25° - 45°	130	40 045 37 23
Hinged collar F170	Black	25° - 45°	150	40 045 37 32
Hinged collar F170	Terracotta	25° - 45°	150	40 045 37 35



HINGED COLLAR MODEL D (FOR ROOF FLASHING D AND DX)

Type	Colour	Roof Angle	Ø Flue Gas Tube (mm)	Article number
Hinged collar D175	Black	25° - 55°	150	40 045 37 39
Hinged collar D175	Terracotta	25° - 55°	150	40 045 37 37
Hinged collar D200	Black	25° - 55°	180	40 045 37 43
Hinged collar D200	Terracotta	25° - 55°	180	40 045 37 40
Hinged collar D205	Black	25° - 55°	180	40 045 37 42
Hinged collar D205	Terracotta	25° - 55°	180	40 045 37 46
Hinged collar D210	Black	25° - 55°	200	40 045 37 47



ACCESSORIES

FLASHING PLATE

ALUMINIUM FLASHING PLATE

Ø Upright nominal (mm)	Material	Ø Flue gas Terminal (mm)	Article number
103	Aluminium	Flue gas terminal 80	40 045 31 50
113	Aluminium	Flue gas terminal 90	40 045 31 53
119	Aluminium	Skyline 60/100	40 045 31 55
123	Aluminium	Flue gas terminal 100	40 045 31 56
125	Aluminium	General	40 045 31 59
131	Aluminium	General	40 045 31 65
133	Aluminium	Flue gas terminal 110	40 045 31 68
137	Aluminium	Skyline 80/125	40 045 31 71
153	Aluminium	Flue gas terminal 130	40 045 31 80
168	Aluminium	Skyline 100/150	40 045 31 83
173	Aluminium	Flue gas terminal 150	40 045 31 86
198	Aluminium	Combi Roof terminal	40 045 31 89
204	Aluminium	Flue gas terminal 180 + HR/ VR Flue gas terminal 130 - 130	40 045 32 10
222	Aluminium	Flue gas terminal 200 + HR Flue gas terminal 150 - 150	40 045 31 92
275	Aluminium	Flue gas terminal 250	40 045 31 98
320	Aluminium	HR Flue gas terminal 200 - 200	40 045 31 95
325	Aluminium	Flue gas terminal 300	40 045 32 01
375	Aluminium	Flue gas terminal 350	40 045 32 04
425	Galvanized steel	Flue gas terminal 400	40 045 32 19
475	Galvanized steel	Flue gas terminal 450	40 045 32 22
525	Galvanized steel	Flue gas terminal 500	40 045 32 25



ADJUSTABLE FLASHING PLATE

Ø (mm)	Ø Flue Gas Tube (mm)	Material	Type	Roof Angle	Article number
120	100	Aluminium	Adjustable angle	0° - 15°	40 045 32 31
140	125	Aluminium	Adjustable angle	0° - 15°	40 045 32 28



REDUCER FLASHING PLATE

Ø (mm)	Material	Usage	Article number
139 - 119	Aluminium	Renovation reducer from 80/125 to 60/100	40 045 31 40



AIRTIGHT ROOF COVER PLATE

Burgerhout's range of airtight roof cover plates provide the perfect finishing touch to the Hybalans+ portfolio. These innovative products provide airtight seals around terminals, pipes and ducts in walls, sloping ceilings and roofs. A solution is available for almost every diameter and pitch. Modern airtight construction requires compliance with strict EPC standards, and the use of airtight solutions is necessary to avoid high energy bills.

The products have many benefits:

- Airtight and aesthetic under-roof solution.
- The flexible seal creates an airtight connection between the roof vent and the roof covering.
- No moisture or air leakage through the roof covering.

- No thermal bridge or condensation leakage around the vent.
- The smart construction offers solutions for the most common pitches from 0-60°.
- A broad range suitable for the entire Burgerhout programme.

The flexible membrane meets the highest airtightness class for energy efficiency and airtight construction. The robust base plate ensures a good and reliable connection to the roof boarding.

The clever recesses make it possible to mount the brackets for the roof vents directly onto the plate.



AIRTIGHT ROOF COVER PLATE PLASTIC

Ø (mm)	Roof Angle	Article number
60/100 and 80/125	20° - 45°	40 045 34 63



AIRTIGHT ROOF COVER PLATE METAL (WHITE)

Ø (mm)	Roof Angle	Article number
94-125	0° - 30°	40 045 34 65
94-125	30° - 60°	40 045 34 66
125-180	0° - 30°	40 045 34 67
125-180	30° - 60°	40 045 34 68
180-235	0° - 30°	40 045 34 69
180-235	30° - 60°	40 045 34 70
235-302	0° - 30°	40 045 34 71
235-302	30° - 60°	40 045 34 72



ACCESSORIES

ROOF BOARD BRACKETS**ROOF BOARD BRACKET**

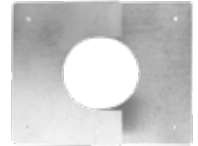
Ø (mm)	Colour	Article number
91	Blank	40 045 34 02
101	Blank	40 045 34 05
101	White	41 008 77 20
111	Blank	40 045 34 11
121	Blank	40 045 34 14
126	Blank	40 045 34 17
126	White	40 045 22 66
131	Blank	40 045 34 20
141	Blank	40 045 34 23
151	Blank	40 045 34 26
151	White	40 045 22 67
161	Blank	40 045 34 29
181	Blank	40 045 34 32
191	Blank	40 045 34 35
201	Blank	40 045 34 38
211	Blank	40 045 34 41
251	Blank	40 045 34 44
261	Blank	40 045 34 47
301	Blank	40 045 34 50
311	Blank	40 045 34 53
351	Blank	40 045 34 56
411	Blank	40 045 34 59



ROOF AND WALL PLATES

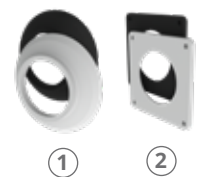
ROOF PLATE METAL (GALVANISED STEEL)

Ø (mm)	Colour	Article number
95	Blank	40 045 35 01
102	Blank	40 045 35 04
102	White	40 045 35 05
112	Blank	40 045 35 07
126	Blank	40 045 35 10
126	White	40 045 35 11
132	Blank	40 045 35 13
142	Blank	40 045 35 16
152	Blank	40 045 35 19
152	White	40 045 35 20
162	Blank	40 045 35 22
182	Blank	40 045 35 34
192	Blank	40 045 35 25
202	Blank	40 045 35 28
212	Blank	40 045 35 31
252	Blank	40 045 35 37
302	Blank	40 045 35 43



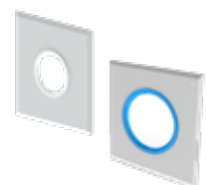
WALL PLATE

Ø (mm)	Colour	Material	Article number
1 100	White+ Black	TPE (flexible)	40 045 38 94
2 100	White	Plastic	40 045 38 86
100	Black	Plastic	40 045 38 85
125	White+ Black	Plastic	40 045 38 65
125	White	Plastic	40 045 38 68
125	Black	Plastic	40 045 38 72
125	White	Aluminium	40 045 38 67
125	Black	Aluminium	40 045 38 69
150	White+ Black	Plastic	40 045 38 70



SHAFT PLATE

Ø (mm)	Colour	Material	Article number
80	White	Plastic	40 047 03 16
100	White	Plastic	40 045 38 98
130	White	Plastic	40 045 30 53



ACCESSORIES

TWIN FLUE ADAPTERS AND SKI BOOTS**ADAPTER TWIN TO CONCENTRIC**

Ø (mm)	Centre (mm)	Parallel connection (mm)	Material adapter	Colour	Article number
80/125	120	80 - 80	Plastic	White	40 045 38 90
80/125	120	80 - 80	Metal	White	40 045 38 76

**ADAPTER TWIN TO CONCENTRIC**

Ø (mm)	Centre (mm)	Parallel connection (mm)	Material adapter	Colour	Article number
60/100	120	80 - 80	Plastic	White	40 045 27 91
80/125	120	80 - 80	Plastic	White	40 045 29 16
100/150	140	100 - 100	Plastic	White	40 045 29 18



Additional flue extension may be required

SEALS (SPARE PARTS)

SEALS FLUE GAS

SEAL FLUE GAS FOR EASYSAFE, TWINSAFE, TWINLINE AND MULTILINE

Ø (mm)	Colour	Material	Article number
60	Black	EPDM	40 045 18 98
80	Black	EPDM	40 045 19 00
100	Black	EPDM	40 045 19 02
130	Black	EPDM	40 045 19 04
150	Black	EPDM	40 045 19 06
200	Black	EPDM	40 045 19 08



SEAL FLUE GAS FOR SAFE-PP

Ø (mm)	Colour	Material	Article number
80 x 16	Black	EPDM	40 045 19 10



SEAL FLUE GAS FOR MINIFLEX, FLEXLINE, TWINFLEX AND MULTIFLEX FLEXIBLE TUBES ONLY

Ø (mm)	Colour	Material	Article number
60	Black	EPDM	40 045 19 25
80	Black	EPDM	40 045 19 26
100	Black	EPDM	40 045 19 27
130	Black	EPDM	40 045 19 28



SEAL FLUE GAS FOR ALUFIX AND THICK-WALLED ALUMINIUM

Ø (mm)	Colour	Material	Article number
60	Blue	Silicone	40 045 17 96
80	Blue	Silicone	40 045 17 98
100	Blue	Silicone	40 045 18 02
110	Blue	Silicone	40 045 18 04
130	Blue	Silicone	40 045 18 08
150	Blue	Silicone	40 045 18 10
180	Blue	Silicone	40 045 18 12
200	Blue	Silicone	40 045 18 14
250	Blue	Silicone	40 045 18 15



SEAL FLUE GAS FOR ALUFIX AND THICK-WALLED ALUMINIUM

Ø (mm)	Colour	Material	Article number
80	Red	Silicone	41 008 55 15
100	Red	Silicone	41 008 56 16
130	Red	Silicone	41 208 57 66

**SEAL FLUE GAS FOR SINGLE WALL STAINLESS STEEL**

Ø (mm)	Colour	Material	Article number
80	Green	Viton	40 045 19 22
100	Green	Viton	40 045 19 21

**SEALS AIR INTAKE****SEAL AIR INTAKE FOR TWINSAFE**

Ø (mm)	Colour	Material	Article number
80	Black	EPDM	40 045 19 12
100	Black	EPDM	40 045 19 14
100	Grey	EPDM	41 002 73 65
125	Grey	EPDM	41 002 73 66
150	Grey	EPDM	41 002 73 68







DELTA-DISCOVERY AIR HEAT PUMP HOUSING

Delta-Discovery Air

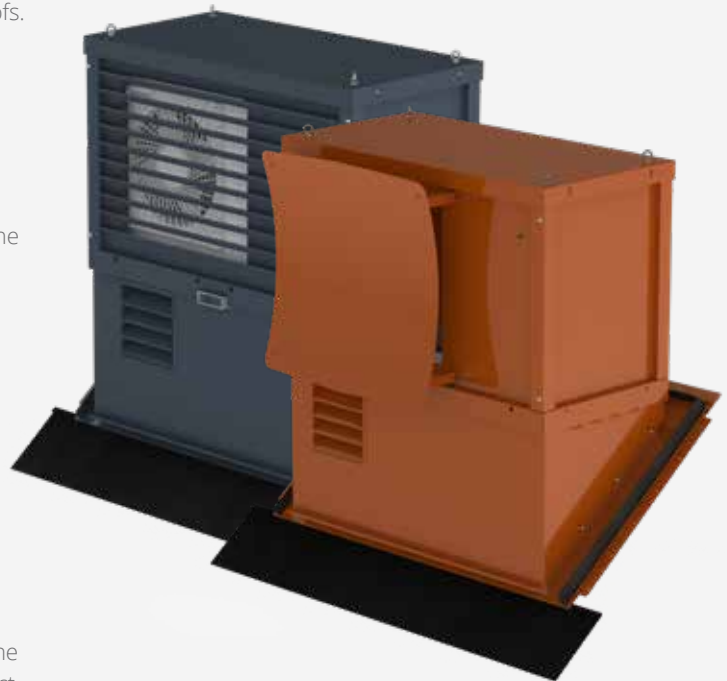


Burgerhout®

a brand of M&G Group

INTRODUCTION

Discover the updated Delta-Discovery Air heat pump housing: the perfect solution for installing heat pumps on pitched roofs. The updated Delta-Discovery Air heat pump housing is the second generation of a successful product line developed around customer feedback and years of experience. The aesthetically pleasing Delta-Discovery Air has a high build quality and is suitable for both monoblock and split unit systems. In addition, the housing is now available in any RAL colour, allowing it to be optimally matched to the colour of the roof and fit perfectly into its environment.



CUSTOM MADE

The Delta-Discovery Air housing is custom made to accommodate the heat pump and its compact location on the roof. As large as needed and as small as possible for a perfect solution on pitched roofs.

ELIMINATION OF DIRECTIONAL WIND

One of the biggest innovations of the Delta-Discovery Air is the optional WindShield, an aerodynamic curved panel mounted on the outside of the housing. The patented WindShield eliminates adverse effects from wind on the performance of the heat pump. In other words; the WindShield keeps the heat pump out of the wind. In addition, the Delta-Discovery Air is now also suitable for sustainable heat pumps with propane, which are growing in popularity.



ACCESSIBLE FROM THE INSIDE FOR INSPECTION AND MAINTENANCE

After placing the heat pump housing on a steep roof, it can be easily accessed from inside the house through the inspection hatch. The annual inspection and minor repairs can so easily be performed from inside the house. A major advantage of the indoor inspection hatch is that the installer no longer has to access the roof, thus reducing servicing and maintenance costs for the consumer. A new option is an opening rear panel for even better access to the heat pump for inspection and maintenance, this gives the service technician more freedom of movement.

Other innovations are the options to provide the Delta-Discovery Air with heat recovery duct connection and/or sewer venting connection, if desired.



DELTA-DISCOVERY AIR ROOF FLASHING WITH LEADAX

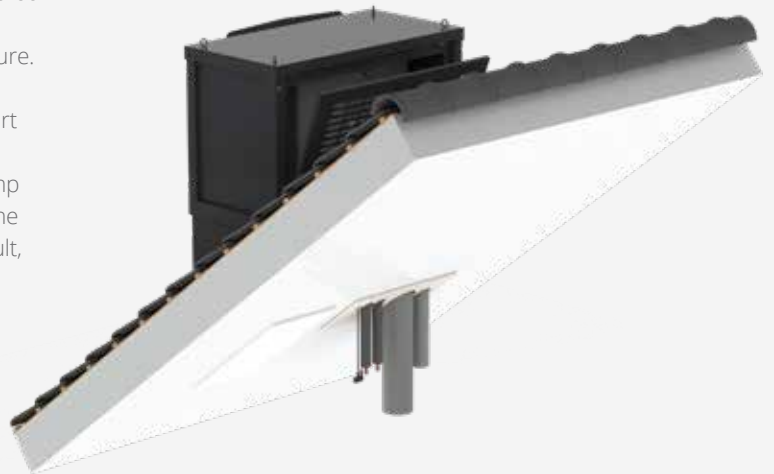
During the development of the Delta-Discovery Air, extra attention was given to sustainability and recyclability. The roof flashing features Leadax, the world's first lead substitute with the same characteristics as traditional lead. Leadax has no harmful effects on health and the environment, while maintaining quality and flexibility.



EVEN MORE BENEFITS

RETENTION OF THE HOME'S INSULATION VALUE AND PREFAB MODULAR CONSTRUCTION

The heat pump housing is installed completely outside the home's insulation shell, so this solution does not come at the expense of living space in the house and requires limited connections. The housing is of modular design, this means that the roof flashing and the connection box can be delivered directly to the contractor for integration into the roof structure. The top box can be delivered to the installer or prefab department of the technical wholesaler. There, the outer part of the monoblock or split unit can be built into the top box. The whole unit (the top box including the installed heat pump unit) can then be mounted directly on the building site on the already installed roof flashing and connection box. As a result, only one crane movement is required per house!



OPTIMAL CONFIGURATION

To optimize the configuration of the Delta-Discovery Air the following parts are available:

- WindShield: This eliminates the negative effects of wind on the heat pumps' performance.
- Hinged rear panel for improved ease of maintenance.
- Integrated connection for sewer vent and heat recovery duct.

UNIQUE SOLUTION FROM INSTALLER TO END CLIENT

The Delta-Discovery Air heat pump housing has been developed in collaboration with installers, construction firms, heat pump manufacturers and end clients (such as housing associations). This approach resulted in the incorporation of all market requirements into the development process. The result is an efficient housing with a clean design that offers optimal comfort to the end customer, maximum protection of the heat pump and easy access for the installer.



THE DELTA-DISCOVERY AIR BENEFITS FOR THE INSTALLER AT A GLANCE

- Designed and field-tested for optimal heat pump efficiency and minimal nuisance from vibrations and noise.
- Also suitable for Propane (R290) heat pumps
- With integrated lifting eyes for easy installation
- Custom solutions depending on specification and roof pitch (20° to 60°)
- Equipped with Leadax, a durable and environmentally friendly lead substitute
- Minimal interruption of the insulation layer thanks to the complete installation on the roof
- Inspection possibility from inside the house: the housing is always accessible
- Excellent for renovation and new construction
- Quick installation thanks to its modular design and prefab preparation

CUSTOM ADVICE FOR THE IDEAL CONFIGURATION

Are you looking for custom advice on the Delta-Discovery Air heat pump housing for your project, or do you want to know more about the possibilities for a specific application? Burgerhout's experts are ready to advise you!

CONSUMER BENEFITS OF THE DELTA-DISCOVERY AIR

- Optimal heat pump COP due to the function of the Windshield and the prevention of recirculation
- Maintaining insulation value of building shell/roof
- Lower maintenance costs thanks to good accessibility
- No loss of living space in the house
- Noise reducing by positioning on the roof
- Sustainable and aesthetically pleasing solution.



PRODUCT ASSORTMENT

The Delta-Discovery Air heat pump configuration is custom-made, based on the heat pump and the project's needs and requirements. This makes each solution unique.

DELTA-DISCOVERY AIR CONSTRUCTION OVERVIEW

The composition of a complete Delta-Discovery Air solution consists of basic components, accessories and options.



BASIC COMPONENTS

DELTA-DISCOVERY AIR TOP BOX WITH INSPECTION HATCH	Varieties
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The Delta-Discovery Air Top box is custom-made, depending on the heat pump used, and is supplied with an inspection hatch. Depending on the requirements, equipped with:

- WindShield
- Hinged rear panel

The heat pump housing is suitable for heat pumps with a maximum size of: D470 x W1200 x H1150 mm.



CONNECTION BOX WITH ROOF FLASHING	Basic	Options
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The Delta-Discovery Air connection box is custom made, based on the specified roof pitch (between 20° and 60°) and is supplied including a matching roof flashing. The connection box can be equipped with the following options:

- Integrated connection for heat recovery duct (EPS ø160)*
- Integrated connection for sewer venting (PP ø110)*

*When using a heat pump with propane (R290), a heat recovery duct and sewer venting connection box is not allowed.



ACCESSORIES

AIRTIGHT ROOF PLATE

The Delta-Discovery Air Airtight roof plate is available for roof angles between 20° and 60°. The airtight roof coupling piece is custom made depending on the desired configuration:

- Desired roof angle
- Monoblock or split unit
- Connection for Heat Recovery
- Connection for sewer venting



AIRTIGHT ROOF INSPECTION HATCH

The Delta-Discovery Air airtight roof inspection hatch is available for a roof angle from 20° to 60°.

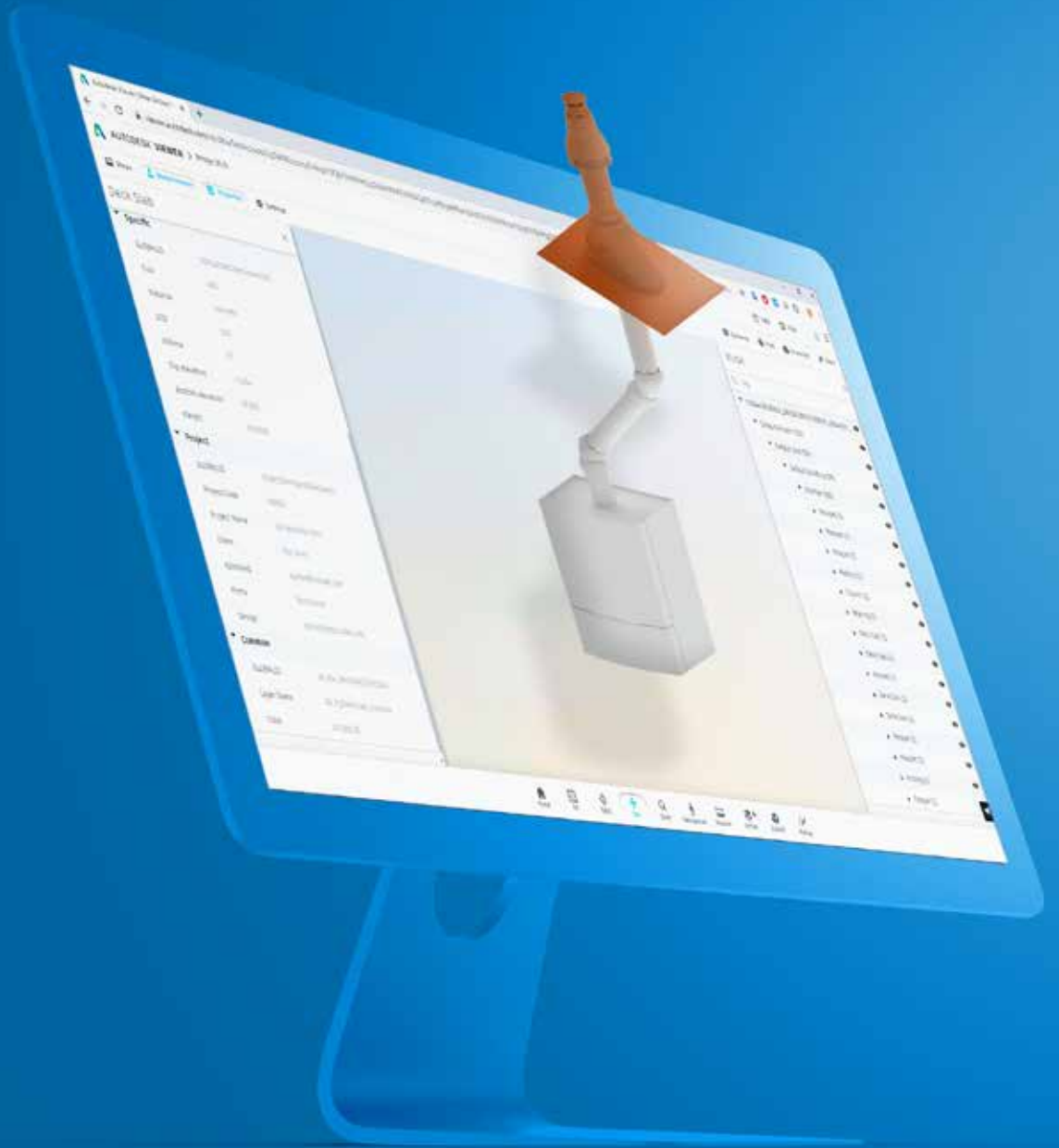


EXTENSION SET

For connection to heat recovery duct or sewer ventilation, the following extension sets are available:

- Extension set heat recovery connection (EPS ø160), length 1m
- Extension set sewer venting connection (PP ø110), length 1m





FLUE GAS AND HEAD PUMP DESIGN TOOLS

Burgerhout videos

Data sheets

BIM

Explanation UKCA marking



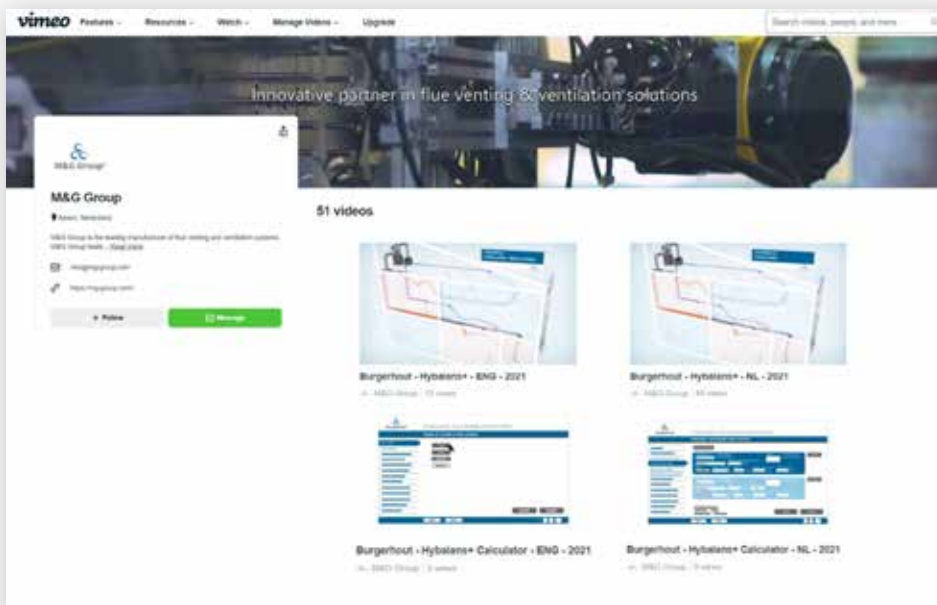
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BURGERHOUT VIDEOS

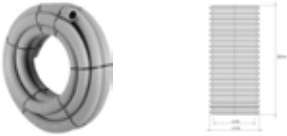

YOUTUBE/VIMEO



Check out the Burgerhout website or YouTube channel to view the latest product videos. Burgerhout also has many informative installation videos and you can stay informed about innovations through our innovation videos! vimeo.com/burgerhout



DATA SHEET

The Burgerhout data sheets contain all technical information about the products, including technical measurement data and product dimensions. The data sheets can be found on the Burgerhout website and in the online catalogue.

FLEXLINE		TECHNICAL DATASHEET	
General information			
Flexline Flexible pipe PP 100 L=10M			
			
Specifications			
Article number	400452162		
Material flue duct	Plastic		
Quality class flue duct	PP		
Wall thickness flue duct (mm)	0,4		
Material seal flue duct	OPDM (not included)		
Colour	Gray		
Weight (kg)	7,9		
Dimensions			
Diameter flue duct room (mm)	100		
Outer dimensions (l x w x h, mm)	906 x 396 x 925		
Application Insights			
Intended use	Discharge of flue gases		
Location class	Inside an existing flue gas shaft		
<small>Version M&G-400452162-2022-07 - Specifications are subject to change without notice.</small> burgerhout.com		 a brand of M&G Group	

SKYLINE		TECHNICAL DATASHEET	
General information			
Roof terminal EasySafe PP 60/100 Black			
			
Specifications			
Article number	410452742		
Colour external part	Black (RAL 9005)		
Material flue duct	Plastic		
Quality class flue duct	PP		
Wall thickness flue duct room (mm)	2,3		
Material air duct	Plastic		
Quality class air duct	PP		
Wall Thickness (mm)	0,4		
Colour air duct	White (RAL 9016)		
Weight (kg)	2,32		
Dimensions			
Diameter flue duct room (mm)	60		
Diameter air duct room (mm)	100		
Outer dimensions (l x w x h, mm)	1280 x 175 x 175		
Application Insights			
Intended use	The exhaust of flue gas and the supply of combustion air		
Location class	See intended use		
<small>Version M&G-410452742-2021-10 - Specifications are subject to change without notice.</small> burgerhout.com		 a brand of M&G Group	

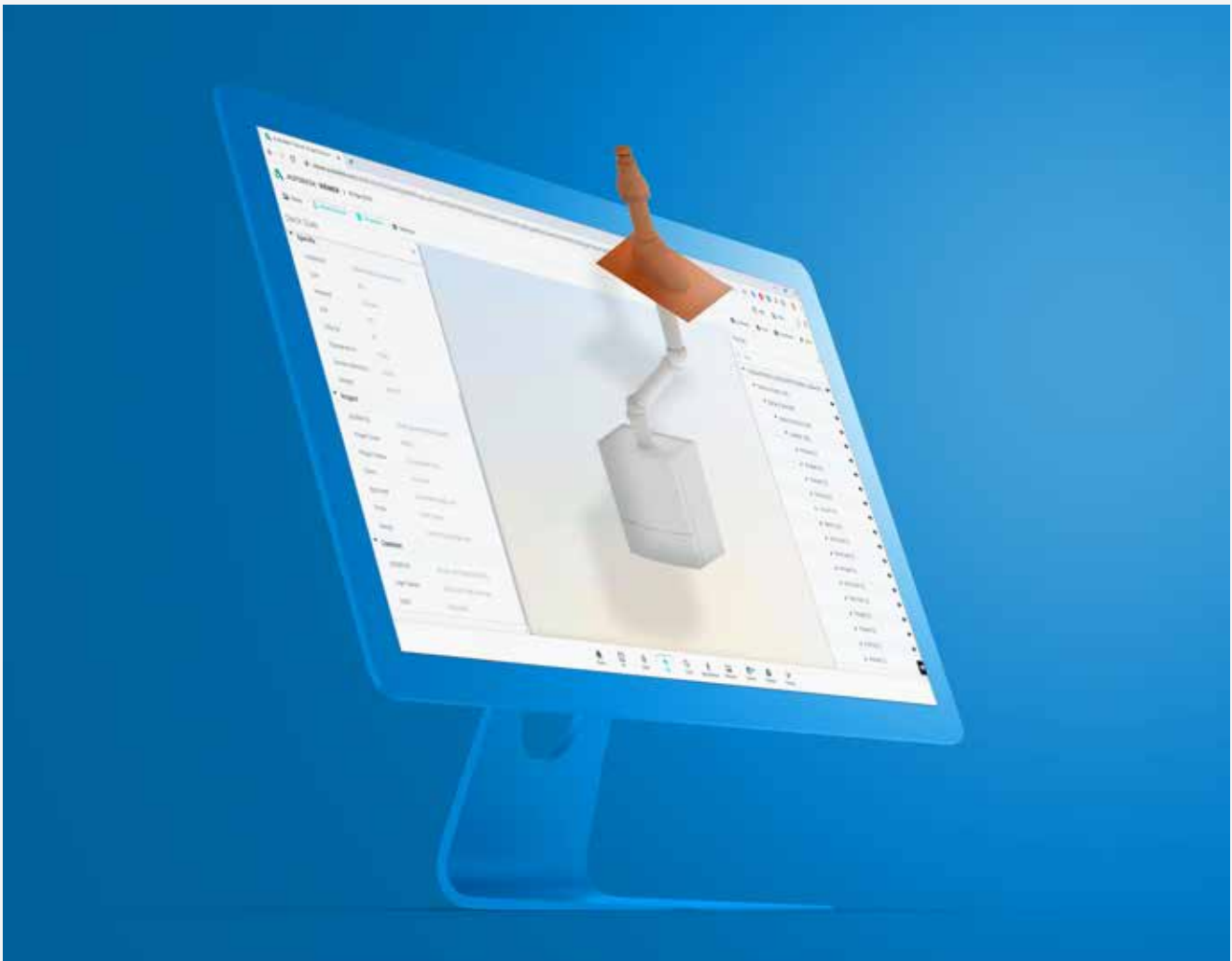
BIM

Download our BIM (Building Information Model) library for flue gas and ventilation via burgerhout.com. These are complete libraries that make it easy to apply our products in any construction project.

Burgerhout's Revit libraries are of BIM level LOD 400. Uneto/VNI and Ketenstandaard (ETIM-RT project) have also been implemented. The technical development is minimally based on the Dutch Revit Standards version 2.5.2. IFC has been implemented with IFC2.3X classification including class properties, making it fully IFC4 compatible.

Burgerhout BIM products are modelled for functional use in a BIM process. This also means that the geometry is not modelled in detail, just the positioning geometry, typical external characteristics (simplified) and relevant connection and attachment points. Non-relevant product design and

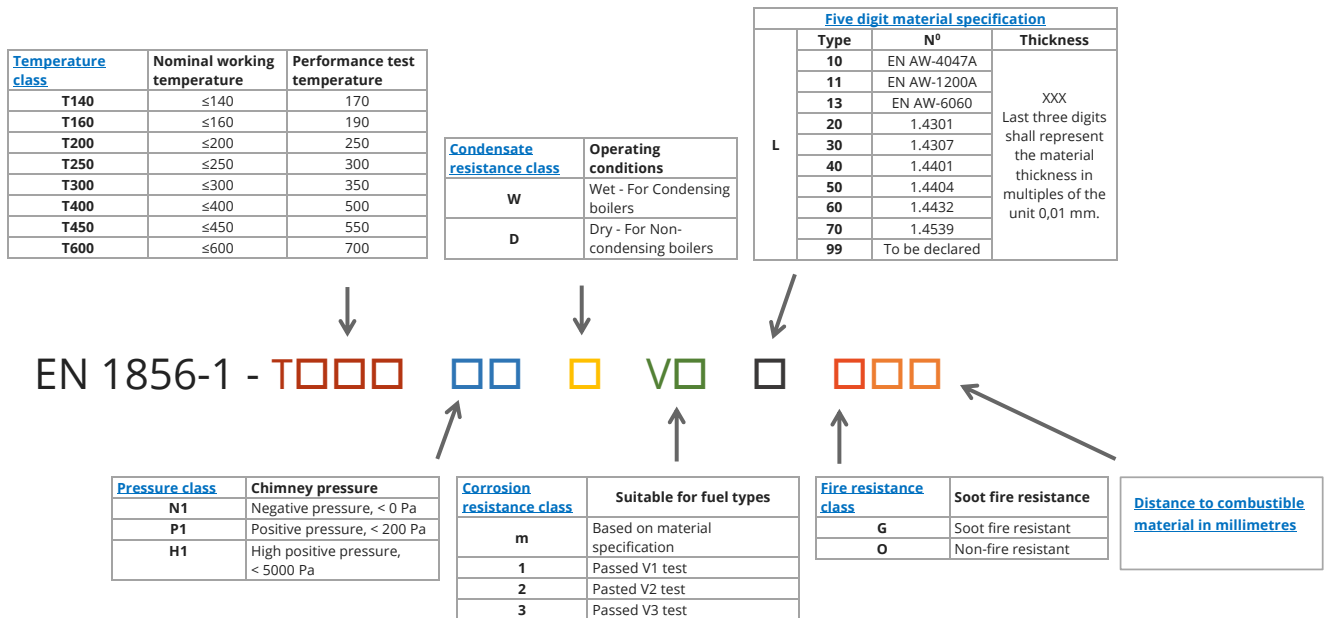
detailing or certain features may have been left out to be able to use the products pragmatically and without overly heavy loads. Some examples here would be material rounding, screws, internal geometry and perforations, etc. Burgerhout has developed what it believes is a highly useable Revit library. Despite the utmost of care taken in its development, imperfections cannot be ruled out, for which Burgerhout is not responsible. Burgerhout does not accept any liability in this regard. Some examples here would be typos in names or article codes, colour/material or deviating dimensions. In cases of variable article lengths, it is possible, practically speaking, that you may enter an impossible dimension. If this occurs, the system will automatically display an article number error.



EXPLANATION UKCA MARKING FLUE GAS

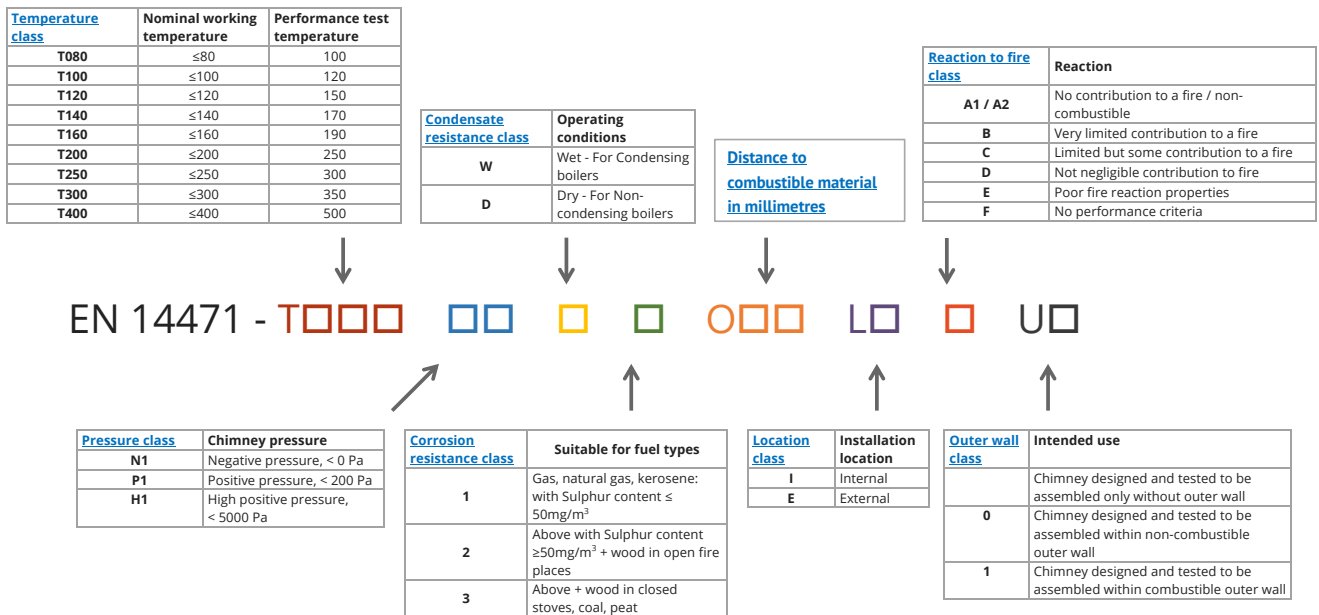
With the CE marking, the manufacturer communicates the specific characteristics of its product so that the designer, distributor, installer and/or end user can choose the most suitable product for the installation. Below is the explanation of the CE marking explained according to the standards EN 1856 and EN 14471. Our Declaration of Performances can be downloaded from our website at <https://burgerhout.com/uk/en/downloadcenter/>

CE-MARKING ACCORDING TO EN 1856

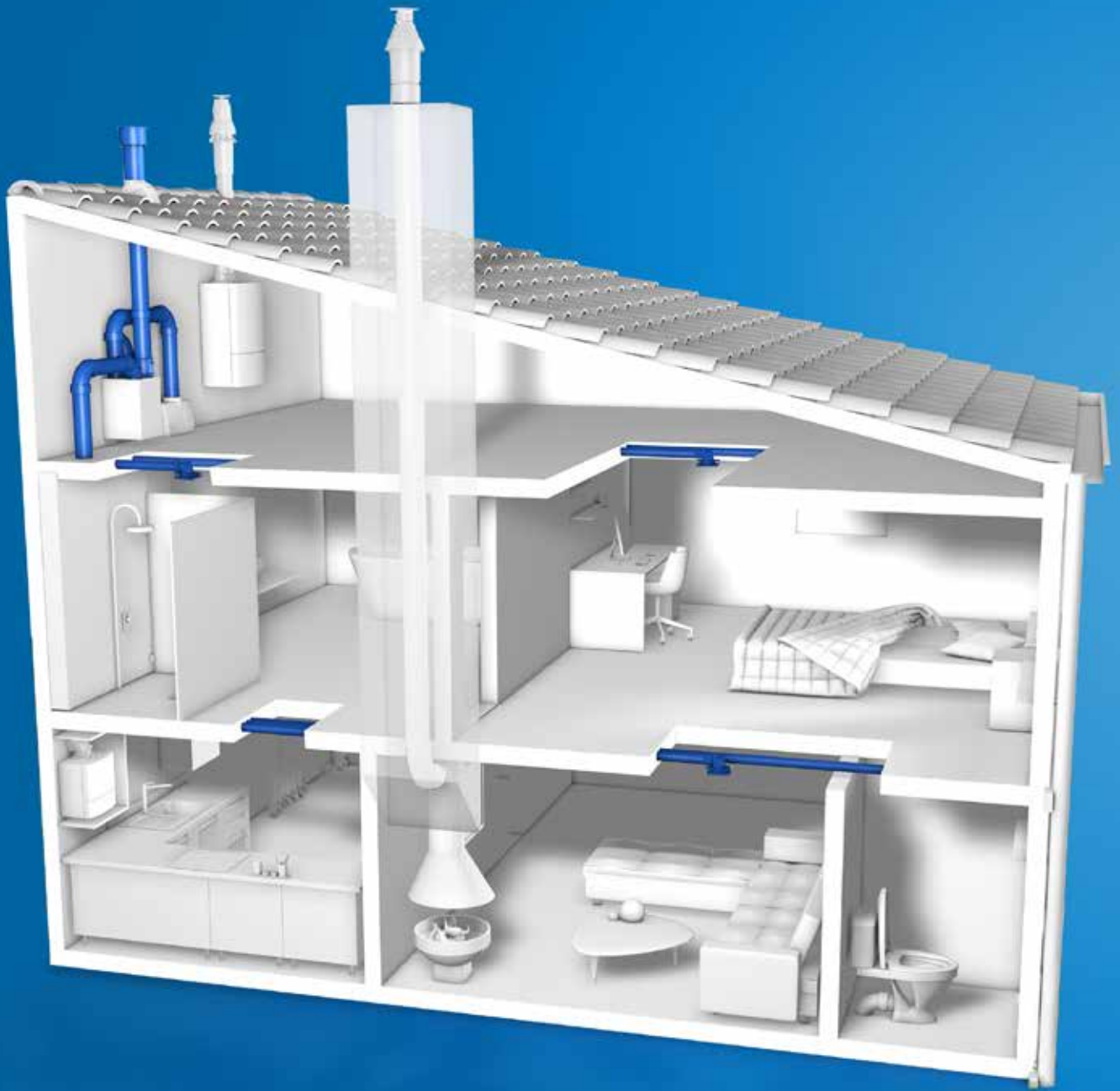


Example: EN 1856-1 - T250 P1 D Vm L40045 G50

CE-MARKING ACCORDING TO EN 14471



Example: EN 14471 - T120 H1 W 2 O50 LE E U0



VENTILATION TERMINALS

Roof and wall terminal

Insulated roof terminal



Burgerhout®

a brand of M&G Group

ROOF TERMINAL

ROOF TERMINAL PP

Ø (mm)	Colour	Article number
100	Black	40 045 30 92
100	Terracotta	40 045 30 93



SOIL VENT PP

Ø (mm)	Colour	Article number
110	Black	40 045 30 90
110	Terracotta	40 045 30 91



MEGAVENT ROOF TERMINAL PP

For natural or mechanical ventilation

Ø (mm)	Colour	Article number
125	Black	40 045 31 02
125	Terracotta	40 045 31 05



ROOF TERMINAL PP

For mechanical ventilation

Ø (mm)	Colour	Article number
150	Black	40 045 31 18



DOUBLE-WALLED ALUMINIUM ROOF TERMINAL BLACK

Ø (mm)	L (mm)	Article number
100	1000	40 045 26 66
110	1000	40 045 26 67
125	1000	40 045 26 70
150	1000	40 045 26 73
180	1000	40 045 26 75
200	1000	40 045 26 78

**SINGLE-WALLED GALVANISED ROOF TERMINAL BLACK**

Ø (mm)	L (mm)	Article number
250	1160	40 045 26 81
300	1160	40 045 26 84
350	1180	40 045 26 87
400	1190	40 045 26 90



*Suitable roof flashing (lead) available on request.

ROOF BOARDING BRACKETS

Ø (mm)	Colour	To suit Ø (mm)	Article number
101	Blank	100	40 045 34 05
111	Blank	110	40 045 34 11
126	Blank	125	40 045 34 17
151	Blank	150	40 045 34 26
181	Blank	180	40 045 34 32
201	Blank	200	40 045 34 38
251	Blank	250	40 045 34 44
301	Blank	300	40 045 34 50
351	Blank	350	40 045 34 56



WALL TERMINAL

WALL TERMINAL

Ø (mm)	Colour	Article number
125	Black	40 048 06 02
125	White	40 048 06 03
125	Terracotta	40 048 06 04
125	Blank Aluminium	40 048 06 05
150	Black	40 045 27 20
150	White	40 045 27 24
150	Terracotta	40 045 27 22
150	Blank Aluminium	40 045 27 26
160	Black	40 048 06 06
160	White	40 048 06 07
160	Terracotta	40 048 06 08
160	Blank Aluminium	40 048 06 09
180	Black	40 045 27 21
180	White	40 045 27 25
180	Terracotta	40 045 27 23
180	Blank Aluminium	40 045 27 27
200	Black	40 048 06 20
200	White	40 048 06 21
200	Terracotta	40 048 06 22
200	Blank Aluminium	40 048 06 23



ROOF PLATES

AIRTIGHT ROOF/SEALING PLATE PLASTIC (WHITE)

Ø (mm)	Roof Angle	To suit Ø (mm)	Article number
94 - 125	20° - 45°	100, 110, 125	40 045 34 63



AIRTIGHT ROOF/SEALING PLATE METAL (WHITE)

Ø (mm)	Roof Angle	To suit Ø (mm)	Article number
94 - 125	0° - 30°	100, 110, 125	40 045 34 65
94 - 125	30° - 60°	100, 110, 125	40 045 34 66
125 - 180	0° - 30°	125, 150, 180	40 045 34 67
125 - 180	30° - 60°	125, 150, 180	40 045 34 68
180 - 235	0° - 30°	180, 200	40 045 34 69
180 - 235	30° - 60°	180, 200	40 045 34 70
235 - 302	0° - 30°	250, 300	40 045 34 71
235 - 302	30° - 60°	250, 300	40 045 34 72



METAL FINISHING PLATE (GALVANISED)

Ø (mm)	Colour	To suit Ø (mm)	Article number
102	White	100	40 045 35 05
112	Blank	110	40 045 35 07
126	White	125	40 045 35 11
152	Blank	150	40 045 35 19
152	White	150	40 045 35 20
182	Blank	180	40 045 35 34
202	Blank	200	40 045 35 28
252	Blank	250	40 045 35 37
302	Blank	300	40 045 35 43



ROOF FLASHING



FX EASY PITCHED ROOF FLASHING (LEADAX) + HINGED COLLAR

Type	Colour	Roof Angle	To suit Ø (mm)	Article number
FX120	Black	15° - 60°	100	40 047 20 04
FX120	Terracotta	15° - 60°	100	40 047 20 05
FX128-132	Black	15° - 60°	100	40 047 20 11
FX128-132	Terracotta	15° - 60°	100	40 047 20 12
FX140	Black	15° - 60°	125	40 047 20 07
FX140	Terracotta	15° - 60°	125	40 047 20 08
FX170	Black	15° - 60°	150	40 047 20 13
FX170	Terracotta	15° - 60°	150	40 047 20 14



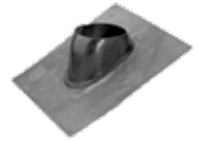
DX PITCHED ROOF FLASHING (LEADAX) + HINGED COLLAR

Type	Colour	Roof Angle	To suit Ø (mm)	Article number
DX205	Black	25° - 55°	180	40 045 40 32
DX205	Terracotta	25° - 55°	180	40 045 40 33
DX210	Black	25° - 55°	200	40 045 40 34
DX210	Terracotta	25° - 55°	200	40 045 40 35



PITCHED ROOF FLASHING MODEL F (LEAD)

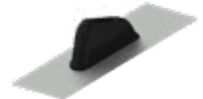
Colour	Dimensions (mm)	Article number
Basic	500 x 500	40 045 35 47
Black	500 x 500	40 045 35 46
Terracotta	500 x 500	40 045 35 45

**HINGED COLLAR MODEL F**

Type	Colour	Roof Angle	To suit Ø (mm)	Article number
F120	Black	25° - 45°	100	40 045 37 08
F120	Terracotta	25° - 45°	100	40 045 37 09
F128-132	Black	25° - 45°	110	40 045 37 14
F128-132	Terracotta	25° - 45°	110	40 045 37 13
F140	Black	25° - 45°	125	40 045 37 17
F140	Terracotta	25° - 45°	125	40 045 37 20
F170	Black	25° - 45°	150	40 045 37 32

**PITCHED ROOF FLASHING MODEL D (LEAD)**

Colour	Dimensions (mm)	Article number
Basic	800 x 1000	40 045 40 40

**HINGED COLLAR MODEL D**

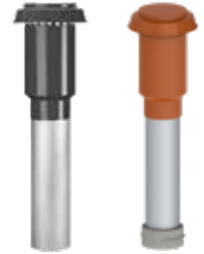
Type	Colour	Roof Angle	To suit Ø (mm)	Article number
D205	Black	25° - 55°	180	40 045 37 42
D210	Black	25° - 55°	200	40 045 37 47



INSULATED ROOF TERMINALS

ROOF TERMINAL ALUMINIUM WITH EPS INSULATION

Ø Inside (mm)	Colour	Length (mm)	Article number
125	Black	1000	40 048 04 51
125	Terracotta	1000	40 048 04 53
130	Black	1000	40 045 27 10
150	Black	1000	40 045 27 12
150	Black	1750	40 045 27 18
150	Terracotta	1000	40 045 27 14
160	Black	1000	40 048 06 00
160	Terracotta	1000	40 048 06 01
180	Black	1000	40 045 27 36
180	Black	1675	40 045 27 38
180	Terracotta	1000	40 045 27 37



ROOF BOARDING BRACKET

Ø (mm)	Colour	To suit Ø (mm)	Article number
151	Blank	125, 130	40 045 34 26
181	Blank	150	40 045 34 32
201	Blank	160, 180	40 045 34 38



AIRTIGHT ROOF/SEALING PLATE METAL (WHITE)

Ø (mm)	Roof Angle	Article number
125, 150	0° - 30°	40 045 34 67
125, 150	30° - 60°	40 045 34 68
150, 160, 180	0° - 30°	40 045 34 69
150, 160, 180	30° - 60°	40 045 34 70



ALUMINIUM FLASHING PLATE

Ø (mm)	To suit Ø (mm)	Article number
160	125, 130	40 045 31 82
204	150, 160, 180	40 045 32 10



FX EASY PITCHED ROOF FLASHING (LEADAX) + HINGED COLLAR

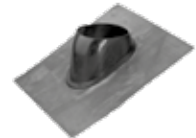
Type	Colour	Roof angle	To suit Ø (mm)	Article number
FX160	Black	15° - 60°	125, 130	40 047 20 15
FX160	Terracotta	15° - 60°	125, 130	40 047 20 16

**DX PITCHED ROOF FLASHING (LEADAX) + HINGED COLLAR**

Type	Colour	Roof angle	To suit Ø (mm)	Article number
DX205	Black	25° - 45°	150	40 045 40 32
DX205	Terracotta	25° - 45°	150	40 045 40 33
DX210	Black	25° - 45°	160, 180	40 045 40 34
DX210	Terracotta	25° - 45°	160, 180	40 045 40 35

**PITCHED ROOF FLASHING MODEL F (LEAD)**

Colour	Dimensions (mm)	Article number
Lead	500 x 500	40 045 35 47
Completely black	500 x 500	40 045 35 46

**HINGED COLLAR MODEL F**

Type	Colour	Roof angle	To suit Ø (mm)	Article number
F160	Black	25° - 45°	125, 130	40 045 37 26

**PITCHED ROOF FLASHING MODEL D (LEAD)**

Colour	Dimensions (mm)	Article number
Lead	800 x 1000	40 045 40 40

**HINGED COLLAR MODEL D**

Type	Colour	Roof angle	To suit Ø (mm)	Article number
D205	Black	25° - 55°	150	40 045 37 42
D205	Terracotta	25° - 55°	150	40 045 37 46
D210	Black	25° - 55°	160, 180	40 045 37 47







INSULATED DUCTING

EasyAir EPS

EasyAir EPP

EasyAir EPP+

EasyAir Sound dampers



Burgerhout®

a brand of M&G Group

EASYAIR INSULATED DUCTING

All component parts of an air distribution system influence the overall performance and efficiency of the installation. None more so, than the ducting chosen to transport the supply and extracted air from the ventilation unit to the air distribution box and the home. In addition, it is important to properly move the air from outside the house to the ventilation unit.

For this, it is important to consider the ventilation requirement and determine the air volumes that must be displaced per hour. Next, the options for installing a vent to the outside of the home for air supply or extraction must be considered, making sure that the fresh air is not mixed with the waste air from the home. The dilution factor as stated in the construction legislation must be taken into account.

Once the air volume has been determined, the diameter of the insulated ducts can be selected. Often, this diameter is the same as that of the ventilation unit, but larger ducts can be deliberately chosen to reduce resistance. Insulated ducts are chosen to minimize condensation and heat loss which can occur due to temperature and humidity differences between the fresh supply of outside air and the waste indoor air.

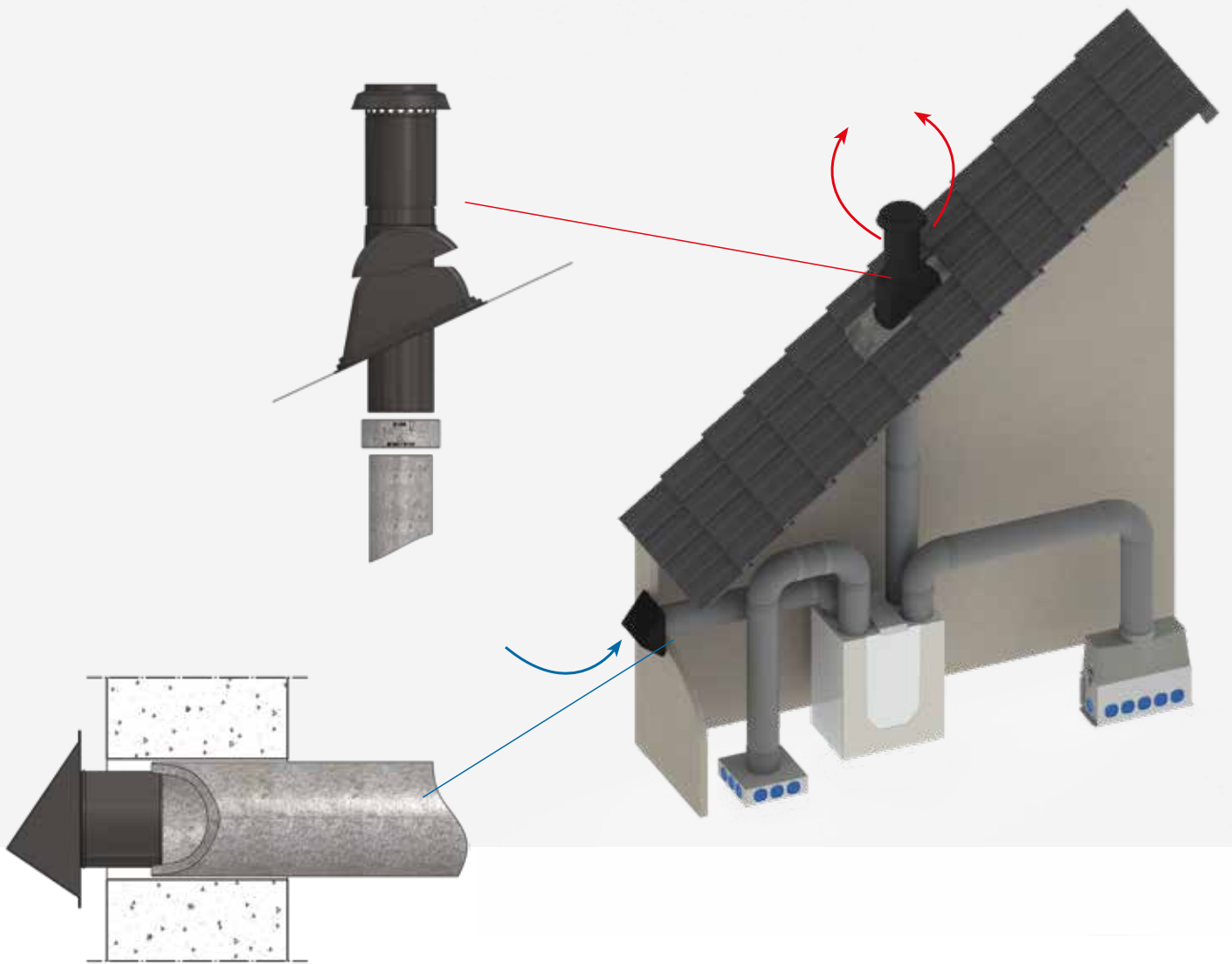
Burgerhout supplies a comprehensive range of cleverly designed insulated ducting systems. These easily installed systems avoid thermal bridges ensuring a comfortable living environment for the residents. A perfect solution can be found for individual homes and larger plant rooms.

The range of connection materials consists of 3 types of ducting: EPP ducting, thick-walled EPP+ ducting and EPS ducting. Each has their own characteristic properties and applications. For maximum ease of installation in any project, opt for insulated EPP ducts in diameters 125, 150, 160 and 180 mm.

If you want extra light ducts with a high insulation value, then choose the insulated EPS ducts with a diameter of 125 and 160 mm. These can be easily applied with the PP connection pieces and can be used with all types of vents.

If the project requires a higher insulation value for less heat loss and a lower risk of condensation in colder climates, choose the insulated thick-walled EPP+ ducts with diameters 160 and 200 mm. The thick walls provide greater noise and thermal insulation.





EASYAIR EPS INSULATED VENTILATION DUCTING

The new range of insulated ducts is suitable for the supply and exhaust of ventilation air in homes and small public utility buildings. The products are suitable for use inside the home. Made from high-grade insulation material, these products deliver impressive thermal performance. The material is lightweight, is easy to cut and fits standard wall and roof terminals. The smart couplers guarantee an airtight connection and ensure that ducts can be mounted close together or directly against the wall while retaining their high insulation value. The smart construction and high insulation value prevent condensation in the pipes and minimise energy loss.

- High insulation value
- Fire resistance class E
- Air tightness class D
- Compact installation
- Lightweight and easy to cut



PIPE, INCLUDING SLEEVE JOINT

Ø Internal (mm)	Length (mm)	Article number
125	500	40 048 05 51
125	1000	40 048 05 50
160	500	40 048 05 61
160	1000	40 048 05 60



90° BEND, INCLUDING SLEEVE JOINT

Ø Internal (mm)	Article number
125	40 048 05 53
160	40 048 05 63



45° BEND, INCLUDING SLEEVE JOINT

Ø Internal (mm)	Article number
125	40 048 05 52
160	40 048 05 62



SLEEVE JOINT

Ø Internal (mm)	Article number	
125	40 048 05 54	
160	40 048 05 64	


INSULATED REDUCER

Ø Internal (mm)	Article number	
150 - 160	40 048 05 69	

UNIVERSAL VENTILATION DUCTING BRACKET

Ø (mm)	Article number	
125, 160	40 048 07 00	

AIRTIGHT ROOF/SEALING PLATE METAL (WHITE)

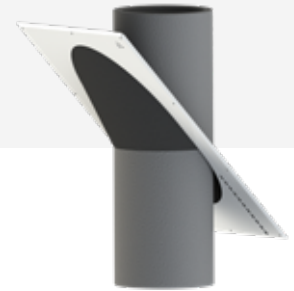
To suit Ø (mm)	Roof Angle	Article number	
125	0 - 30°	40 045 34 67	
125	30 - 60°	40 045 34 68	
160	0 - 30°	40 045 34 69	
160	30 - 60°	40 045 34 70	

EASYAIR EPP INSULATED VENTILATION DUCTING

Insulated ventilation ducting made entirely of EPP. The right-angle bend is cleverly designed and can be split into two 45° bends quickly and easily by cutting along the marked line. Just add a separate sleeve joint to the cut ends and both are ready to use.

Sleeve joints offer many advantages:

- No thermal bridge thanks to excellent insulating value
- Easy to assemble thanks to rounded off edges
- Corrugated inside surface to ensure optimal connection
- Also available in thick-walled version



PIPE, INCLUDING SLEEVE JOINT

Ø Internal (mm)	Length (mm)	Article number
125	500	40 048 04 80
125	1000	40 048 04 82
150	500	40 048 04 70
150	1000	40 048 04 72
160	500	40 048 04 90
160	1000	40 048 04 92
180	500	40 048 04 60
180	1000	40 048 04 62



90° BEND, INCLUDING SLEEVE JOINT (EQUAL 2 X 45 BY USING SLEEVE JOINT)

Ø Internal (mm)	Article number
125	40 048 04 84
150	40 048 04 74
160	40 048 04 94
180	40 048 04 64



45° BEND, INCLUDING SLEEVE JOINT

Ø Internal (mm)	Article number
125	40 048 04 86
150	40 048 04 76
160	40 048 04 96
180	40 048 04 66

**SLEEVE JOINT**

Ø Internal (mm)	Article number
125	40 048 04 88
150	40 048 04 78
160	40 048 04 98
180	40 048 04 68

**UNIVERSAL VENTILATION DUCTING BRACKET**

Ø (mm)	Article number
125, 150, 160	40 048 07 00
180	40 048 07 01

**AIRTIGHT ROOF/SEALING PLATE METAL (WHITE)**

To suit Ø (mm)	Roof Angle	Article number
125, 150	0 - 30°	40 045 34 67
125, 150	30 - 60°	40 045 34 68
150, 160, 180	0 - 30°	40 045 34 69
150, 160, 180	30 - 60°	40 045 34 70



EASYAIR EPP+ INSULATED VENTILATION DUCTING

EASYAIR EPP+ THICK-WALLED INSULATED VENTILATION DUCTING

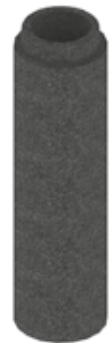
The EasyAir insulated ventilation duct package is also available in a thick-walled version, which gives the system an even better insulation value, with virtually no chance of condensation even in the most extreme cases.

The thick-walled EPP+ has a smooth outline due to a unique sleeved connection. Systems can be installed without the use of separate coupling pieces. When shortening pipe lengths a thick-walled sleeve jointing piece is available to reduce waste.



THICK-WALLED PIPE, WITH INTEGRATED SLEEVE JOINT

Ø Internal (mm)	Length (mm)	Article number
160	1000	40 048 04 20
200	1000	40 048 04 30



THICK-WALLED 45° BEND, WITH INTEGRATED SLEEVE JOINT

Ø Internal (mm)	Article number
160	40 048 04 21
200	40 048 04 31



THICK-WALLED SLEEVE JOINT

Ø Internal (mm)	Article number
160	40 048 04 22
200	40 048 04 32



ECCENTRIC REDUCER

Function (mm)		Article number
200 Socket to 180 spigot	Check for internal/external sizing	40 048 04 23
200 Socket to 190 spigot	Check for internal/external sizing	40 048 04 24
243 Socket to 210 spigot	Check for internal/external sizing	40 048 04 33

**UNIVERSAL VENTILATION DUCTING BRACKET**

Ø (mm)		Article number
160, 200		40 047 05 91

**AIRTIGHT ROOF/SEALING PLATE METAL (WHITE)**

To suit Ø (mm)	Roof Angle	Article number
160, 200	0 - 30°	40 045 34 71
160, 200	30 - 60°	40 045 34 72



HEAT PUMP SET

Burgerhout is expanding the product range of insulated ducts with a complete set for air-driven heat pumps. This set comprises of standard Burgerhout items and fits perfectly on all standard heat pumps on the market.

For optimum condensation prevention, the set includes the new EPS pipes and bends, along with the new airtight roof plates to create a completely airtight building according to current regulations. The set is supplemented with our Burgerhout wall terminals.

Perfect solution for heat pump installations

The set forms the perfect solution for all your installation projects. All products come in a single box to make your job as easy as possible. No thermal bridge thanks to the newly designed connection combined with the smart construction.

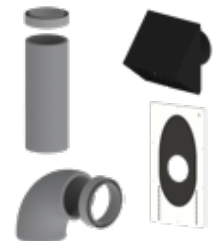


HEAT PUMP SET

Application	Ø (mm)	Article number
Heat pump air to air	160	41 012 22 83

The set contains the following components:

	Quantity
EPS pipe (including sleeve joint) 160 mm, L= 1000 mm	2 pieces
Bend 90° (including sleeve joint)	2 pieces
Wall terminal 160 mm black	2 pieces
Airtight roof/sealing plate metal (white) 0 - 30°	2 pieces



EASYAIR SOUND DAMPERS

The latest additions to our product range are our EasyAir sound dampers. The majority of ventilation systems include noise-damping components to reduce noise nuisance produced by the system itself and by external factors to a minimum.

Noises of that type will be perceived as irritating if nothing is done to reduce them. When fitted inside ventilation ducts, EasyAir sound dampers reduce those noises to a minimum. If no noise damper is present, the noises can be transmitted via the ventilation ducts and can cause nuisance or annoyance in other rooms. Fitting sound dampers inside ventilation ducts therefore ensures that the acoustic requirements are met.

The benefits of EasyAir sound dampers are as follows:

- High-quality products that fit perfectly within the EasyAir system and are guaranteed to be leak-free
- Pressure loss/resistance is included in the online Hybalans⁺ calculation tool
- Flexible dampers and semi-rigid dampers are available, thereby providing the right solution for any project
- A complete range of 125, 160, 180 mm dampers are available
- For frequency-specific information about noise reduction, see the datasheets on burgerhout.com



SOUND DAMPERS

	Ø (mm)	Type	Length (mm)	Bend radius	Article number
1	125	Flexible	1000	150	40 048 05 80
	160	Flexible	1000	185	40 048 05 81
	180	Flexible	1000	205	40 048 05 82
2	125	Semi-Flexible	1000	360	40 048 05 90
	160	Semi-Flexible	1000	400	40 048 05 91
	180	Semi-Flexible	1000	448	40 048 05 92







AIR DISTRIBUTION SYSTEM

General

Hybalans+ Round

Hybalans+ Oval

Air valves

Other plenums and air distribution boxes



Burgerhout®

a brand of M&G Group

FLEXIBLE MODULAR SYSTEM

A FLEXIBLE, MODULAR SYSTEM THAT CAN BE USED IN ANY TYPE OF PROJECT

As described earlier, a proper ventilation system is important in every home. This must be considered in the preparations for every new construction or renovation project. Burgerhout's Hybalans⁺ is a revolutionary air distribution system that provides the solution to all ventilation issues. Air supply and extraction with Hybalans⁺ offers many benefits. This smart modular system ensures a healthy indoor climate at all times. It is easy to design and install and results in a constantly high level of ventilation comfort. Hybalans⁺ offers nothing but advantages for contractors, architects, consultants and installers.

SYSTEM C: AIR EXTRACTION

Natural supply and mechanical extraction of ventilation air

With a limited number of components, you can quickly create a flawlessly functioning air extraction system, or system C. This comprises an air distribution box and flexible hoses as well as all coupling pieces. The unprecedented simplicity saves time and prevents errors. In addition, the technology can be flexibly adapted to any changes to the building. Smooth connections make the system exceptionally quiet. Individual ducts for each room rule out the possibility of crosstalk. The perfect aerodynamic design guarantees energy-efficient ventilation and clean ducts with minimal maintenance.

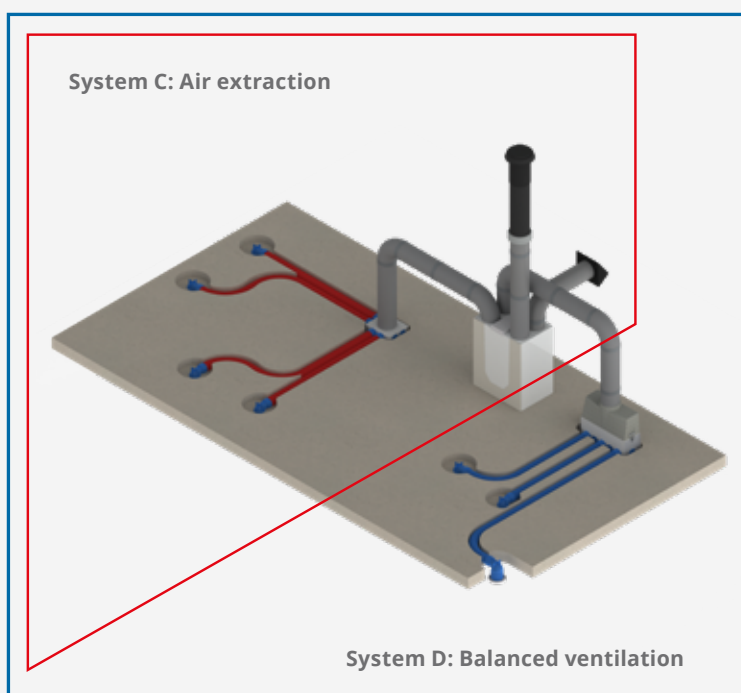
Hybalans⁺ can be applied in all sorts of projects:

- In combination with individual, collective and balanced ventilation systems.
- Renovation and new builds.
- Homes and small non-residential buildings.
- With flooring such as wide-slab, hollow-core slab and flooring cast in situ.

SYSTEM D: BALANCED VENTILATION

Mechanical supply and extraction of ventilation air

As the name implies, Hybalans⁺ is perfectly suited for balanced ventilation. Hybalans⁺ has blue ducts for individual supply of fresh air and red ducts for individual extraction of stale air. The clear simplicity of the system guarantees quick and error-free installation. No tools or sealants needed thanks to the solid click connections. Just plug and play! The online Hybalans⁺ calculator helps you determine the correct restriction ring. No settings readjustment is needed and disruptions cannot occur. See page 52 for more information on the Hybalans⁺ calculator.



FIVE UNIQUE ADVANTAGES



1. Maximum freedom of design and flexibility:

The relatively small number of parts allows for the design of the most diverse air distribution systems. Any changes to the building design or ventilation system layout can be implemented quickly, while maintaining quality.



2. Optimum comfort:

The simplicity of the system guarantees perfectly regulated air distribution and a healthy indoor climate. The special inlet valves prevent any draughts. Also, once configured, the restriction rings settings cannot be tampered with, so that the system cannot accidentally switch off or start whistling.



3. Energy-efficient and durable:

The system consists entirely of components that have been designed to have as little air resistance as possible. This allows air to circulate throughout the house without the fan having to use too much power.



4. Time savings:

No tools required thanks to the unique snap connection. All ducting is clearly identified for supply air and exhaust air. All components have an airtight seal, thus eliminating the need to tape the connections later or take other measures.



5. Minimum cost of maintenance:

Due to the sophisticated design, the system prevents pressure loss or fouling. The system is also easy to clean, without the risk of disturbing adjustment settings, so there are no unexpected additional costs.

PLUG-AND-PLAY

HYBALANS+ PROJECT APPROACH

Hybalans+ is a clever plug-and-play system whose results are known beforehand. Hybalans+ is as simple as it is efficient: Each room has its own red duct for the extraction of stale air and, if desired, its own blue duct for the in-flow of fresh ventilation air. The flexible plastic ducting (sized accordingly) is connected up to an air distribution manifold which is, in turn, connected to the chosen ventilation system.

When you start a new project, it is important that you first acquaint yourself with the ventilation requirements in your country. These will help you calculate the minimum air volumes for each room. This is the starting point for putting together an effective ventilation system. Next, you must determine the location of the ducts and vents in the home. These must take into account the air flows and the comfort of the end user.

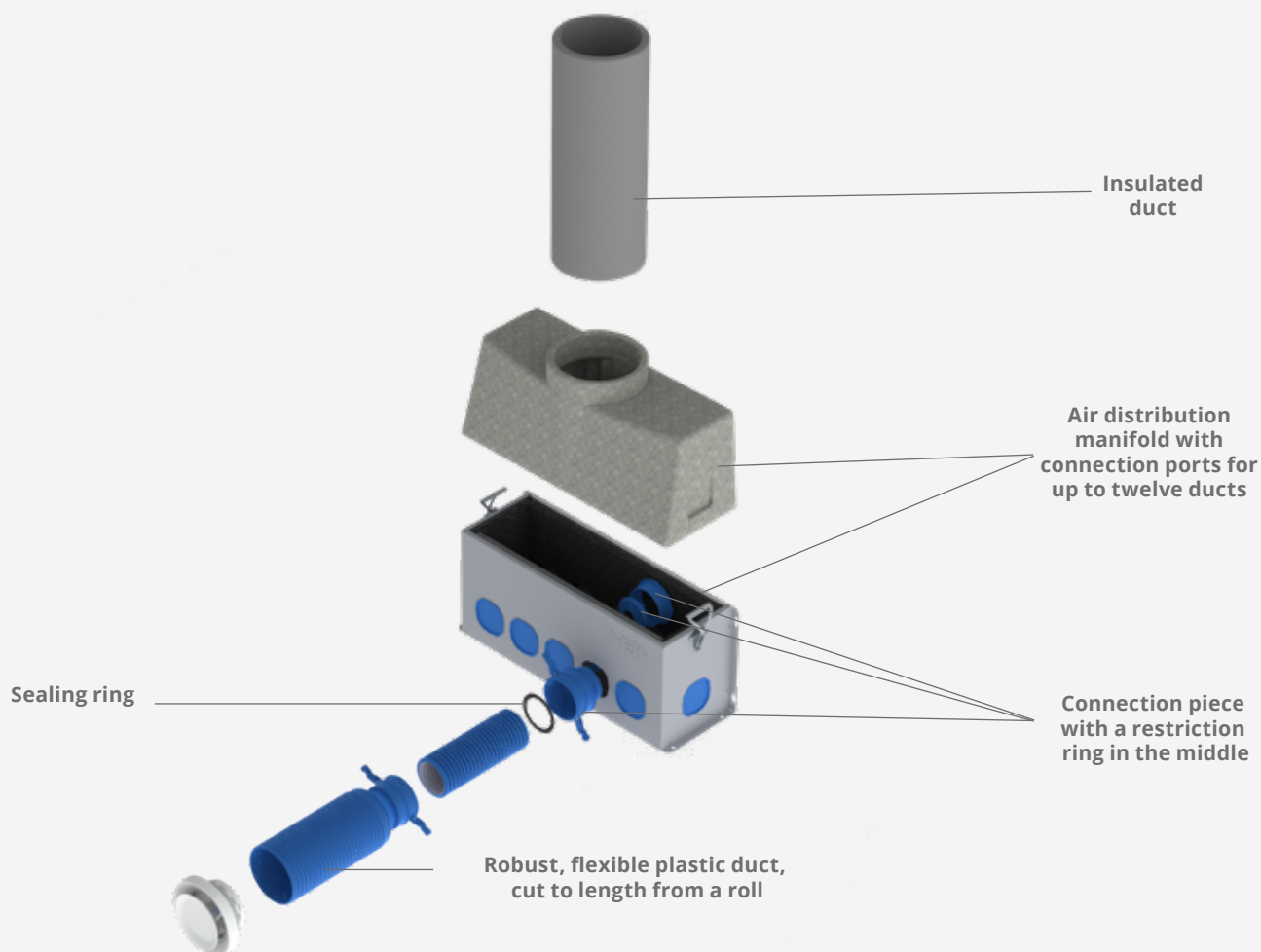
Once all wishes and requirements are known, you can select the components of the Hybalans+ system. When designing a ventilation system, you have a choice from 3 types of ducts with all required components, so there is always a duct that suits

your project. It is important to always keep comfort and proper performance of the system in mind, and where possible, keep the air speed as low as possible.

Once the air requirement and all associated components have been determined, it is possible to configure and balance the system. A restriction ring is clicked into the air distribution box providing the pre-determined air flow for each duct/room. The level of restriction can be quickly and easily calculated using the Hybalans+ calculator on burgerhout.com. For more information, see page 52.

The air distribution system as a whole consists of various components, including the air distribution box, connection materials, flexible ducts and valve. It is important to use insulated ducts for supply and exhaust air and to design the most efficient ventilation system for the property.

For more information on installation, go to the manual on burgerhout.com.

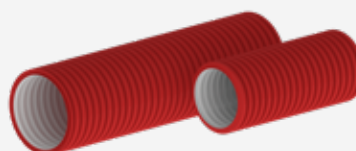


THE BEST SOLUTIONS FOR ANY TYPE OF PROJECT

THE SYSTEM IS AVAILABLE IN THREE VERSIONS

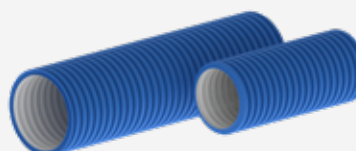
Round system with Ø 92 mm ducting

For maximum freedom of design, the Hybalans+ system uses flexible ducts that all connect to the rooms individually. These double-skinned ducts have minimal air resistance and are easy to connect to the distribution boxes and other components. It is also possible to connect 2 ducts to 1 room to minimise air speed.



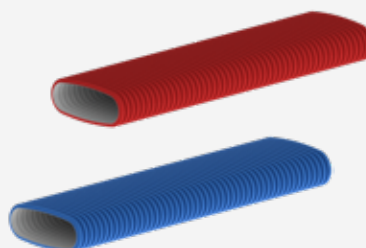
Round system with Ø 75 mm ducting

Some situations require more flexibility. There is a smart interim solution for this: the tried-and-tested round Hybalans+ system, but with an extra small diameter. This comes with special components, such as a connection piece for two ducts on one valve. This allows system designers to achieve high flow rates per room when space is limited.

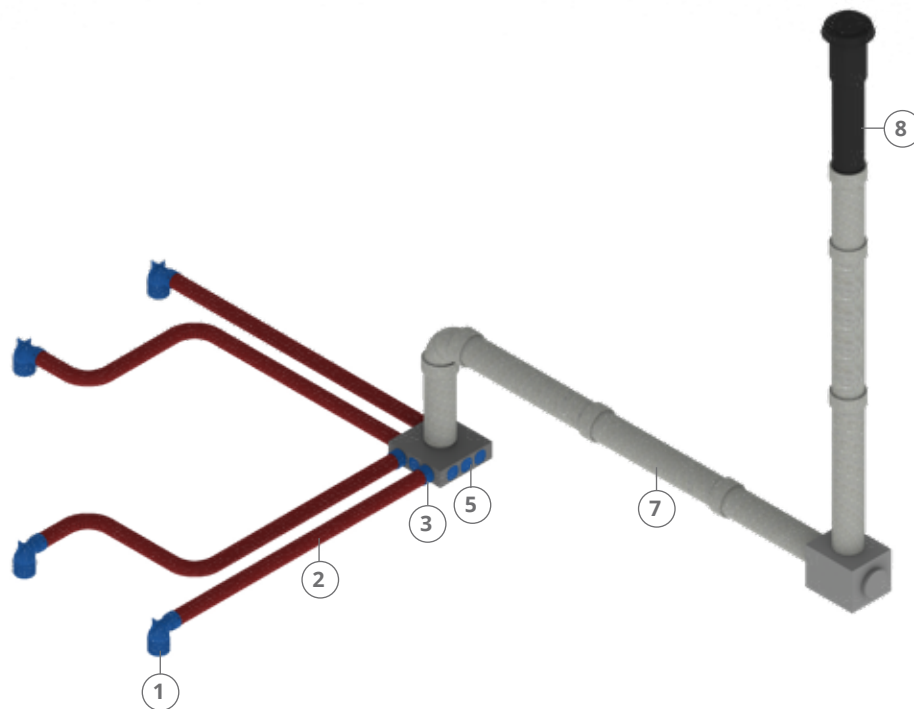











Oval system with a ducting height of just 52 mm

The preferred option is round Hybalans+ ducting, but there are situations when a flatter solution is required. In such cases you will of course want to work with the trusted Hybalans+ brand and take advantage of its many benefits. For that reason, this entire system is also available in an oval version. The oval ducting is exceptionally flat: only 52 mm. The oval Hybalans+ system is suitable for mounting on or under floors and in cavity and stud walls. It is the ideal solution for screed floors, suspended ceilings and wall systems. The system can be mixed with round ducting for optimal design freedom.

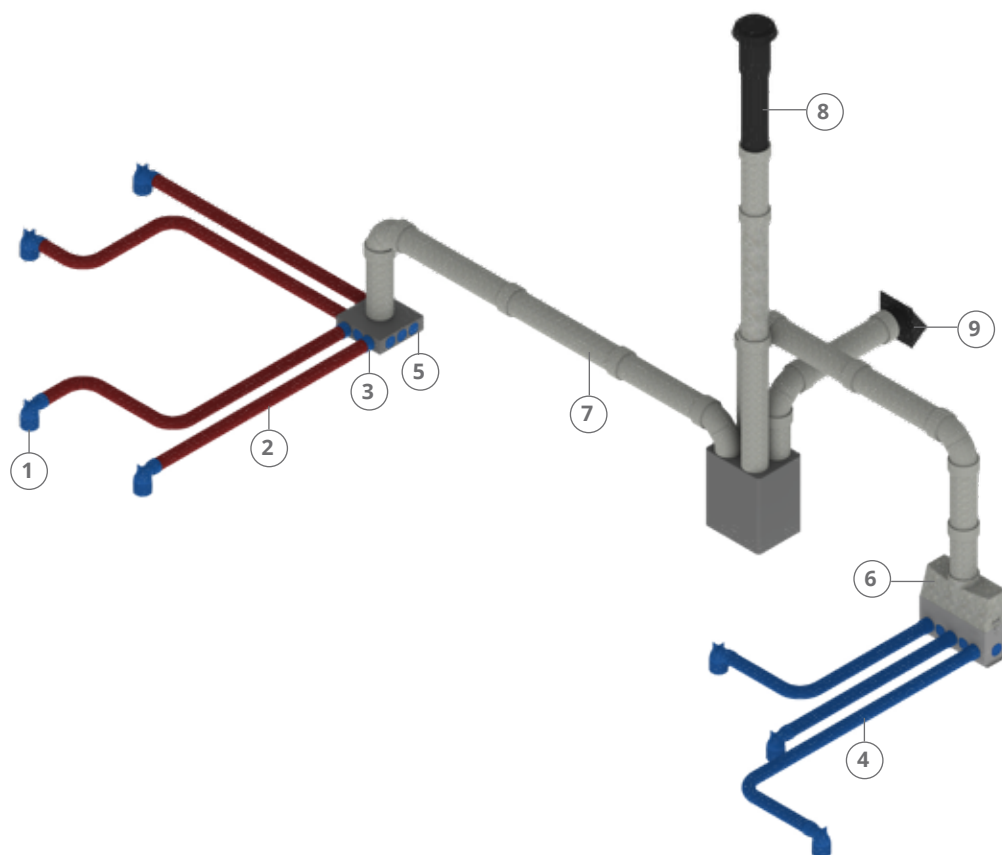


HYBALANS+ SYSTEM C - EXAMPLE

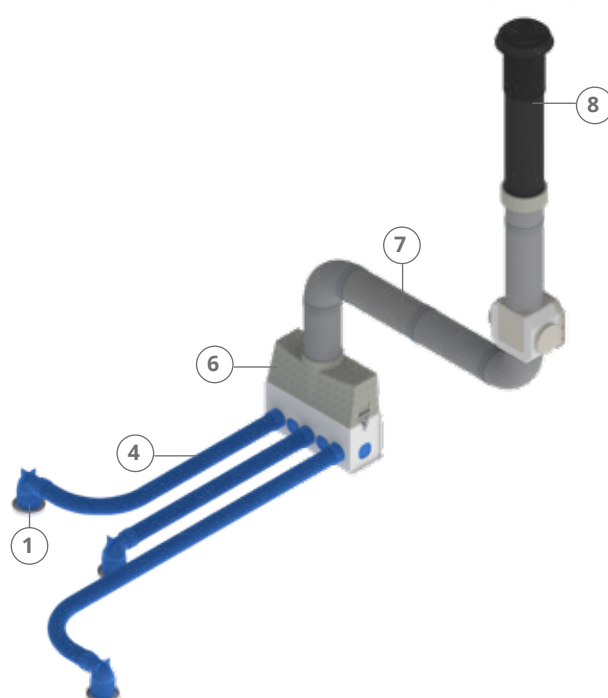


Nr	Description
1	 Air valve connection
2	 Flexible plastic ducting, extraction, red
3	 Connection with snap connectors and two sealing rings
4	 Flexible plastic ducting, supply, blue
5	 Air extraction plenum, square
6	 Air distribution manifold
7	 Insulated ventilation ducting
8	 Ventilation Roof Terminal
9	 Ventilation Wall Terminal

HYBALANS+ SYSTEM D - EXAMPLE



HYBALANS+ ONLY AIR SUPPLY - EXAMPLE

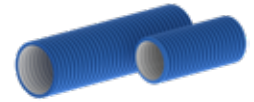


HYBALANS+ ROUND

FLEXIBLE PLASTIC DUCTING, AIR SUPPLY, BLUE (ANTI BACTERIAL & ANTI STATIC)

This ducting is supplied in 50 meter rolls for Ø92, and in 40 meters for Ø75. The outside is made of corrugated HDPE and the inside is made of smooth LDPE.

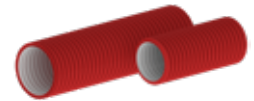
Ø Outside (mm)	Ø Inside (mm)	Curve radius (mm)	Article number
92	78	150	40 047 04 00
75	63	125	40 047 03 50



FLEXIBLE PLASTIC DUCTING, AIR EXTRACTION, RED

This ducting is supplied in 50 meter rolls for Ø92, and in 40 meters for Ø75. The outside is made of corrugated HDPE and the inside is made of smooth LDPE.

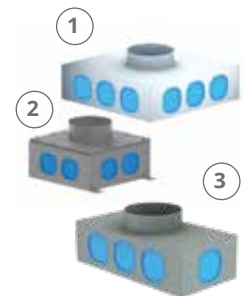
Ø Outside (mm)	Ø Inside (mm)	Curve radius (mm)	Article number
92	78	150	40 047 04 01
75	63	125	40 047 03 49



AIR EXTRACTION PLENUM

The stale air extraction plenum has no internal noise damper and is supplied with a restriction data label and cap. The plenum is supplied unpainted.

Dimensions L x W x H (mm)	Max. out-flow (m³/h)	Main connection port (mm)	Number of connection ports	Article number
1 400 x 400 x 110	350	150	12	40 047 04 45
400 x 400 x 110	350	160	12	40 047 04 73
400 x 400 x 110	350	180	12	40 047 04 75
2 300 x 300 x 110	225	150	8	40 048 06 10
3 400 x 200 x 110	225	125	8	40 047 04 46



AIR DISTRIBUTION MANIFOLD COMPLETE

The air distribution manifold has an internal noise damper and is supplied with a restriction data label. The lower part of the manifold is made of metal, the upper part is made of EPP. Connections on the front, side and bottom.

Dimensions L x W x H (mm)	Max. out-flow (m³/h)	Main connection port (mm)	Number of connection ports	Article number
603 x 207 x 504	350	150 / 180	12	40 047 04 07



AIR DISTRIBUTION MANIFOLD, UPPER PART

The air distribution manifold is fitted with a pressure plate and must be used in combination with the air distribution manifold lower part. The main connection is suitable for 150 mm and 180 mm. The upper part is made of EPP.

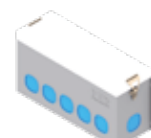
Dimensions L x W x H (mm)	Max. out-flow (m³/h)	Main connection port (mm)	Article number
603 x 207 x 233	350 / 450	150 / 180	40 047 04 24



AIR DISTRIBUTION MANIFOLD, LOWER PART

The lower part of the air distribution box must be combined with an upper part. The 350 m³/h is fitted with internal acoustic damping, the 450 m³/h version is not. The version with 17 connections also has connections at the back.

Dimensions L x W x H (mm)	Max. out-flow (m ³ /h)	Number of connection ports	Article number
603 x 207 x 271	350	12	40 047 04 23
603 x 207 x 271	450	17	40 047 04 22

**AIR SUPPLY AND/OR EXTRACTION PLENUM**

The plenum is supplied unpainted. Only for use in combination with right-angle/straight air distribution manifold.

Dimensions L x W x H (mm)	Max. out-flow (m ³ /h)	Number of connection ports	Article number
603 x 207 x 180	450	12	40 047 04 44
603 x 207 x 110	450	12	40 047 04 43

**AIR DISTRIBUTION MANIFOLD, RIGHT-ANGLE/STRAIGHT**

The air distribution manifold is supplied with a removable cap and an air distribution manifold intermediate part; it has rotating clip fittings and no internal noise damper. The main connection is suitable for 150 mm and 180 mm EPP ducting or 180 mm metal ducting. The lower part of the manifold is made of metal, the upper part is made of EPP.

Dimensions L x W x H (mm)	Max. out-flow (m ³ /h)	Article number
603 x 207 x 440	450	40 047 04 42

**WALL-MOUNTED PLENUM FOR AIR SUPPLY AND/OR EXTRACTION**

Height-adjustable plenum with 2 connection ports. The plenum is supplied unpainted. Grille included.

Dimensions L x W x H (mm)	Max. out-flow (m ³ /h)	Number of connection ports	Article number
310 x 262 - 342 x 71	100	2	40 047 04 92

**FLOOR-MOUNTED PLENUM FOR AIR SUPPLY AND/OR EXTRACTION**

Floor plenum (can be shortened to suit requirements), fitted with 2 connection ports. The plenum is supplied unpainted. Grille included.

Dimensions L x W x H (mm)	Max. out-flow (m ³ /h)	Number of connection ports	Article number
308 x 301 x 71	100	2	40 047 04 94



HYBALANS+ ROUND

CONNECTION PIECE

The connection piece is fitted with snap connectors, a connection for a restriction ring (not supplied) and has two sealing rings.

Application	Ø (mm)	Article number
Air distribution manifold or extraction plenum	92	40 047 04 08
Air distribution manifold or extraction plenum	75	40 047 03 52



CONNECTION BEND, COMPLETE

Application	Ø (mm)	Article number
Air distribution manifold or extraction plenum	92	40 047 04 54
Air distribution manifold or extraction plenum	75	40 047 04 58



RESTRICTION RING

Calculate the correct opening with the aid of the calculator on www.burgerhout.com.

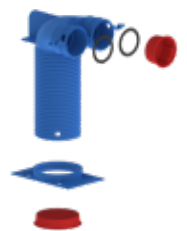
Application	Article number
Fits into connection piece	40 047 04 09



AIR VALVE CONNECTION, RIGHT-ANGLE

This connection piece is available with a choice of a single or double 75 or single 92 connections to a single air valve. Fitted with snap connectors. The connection piece has a fully adjustable mounting base. The connection piece is supplied with a dust cap and sealing ring(s).

Duct Ø (mm)	Air valve side Ø (mm)		Floor/wall thickness (mm)	Article number
	Internal	External		
92	125	133	265	40 048 06 16
2 x 92	125	133	265	40 047 04 19
2 x 75	125	133	275	40 047 03 66



AIR VALVE CONNECTION, STRAIGHT

This connection piece is available with a choice of a single or a double 75 or single 92 connections to a single air valve. Fitted with snap connectors. The connection piece has a fully adjustable mounting base. The connection piece is supplied with a dust cap and sealing ring(s).

Duct Ø (mm)	Air valve side Ø (mm)		Floor/wall thickness (mm)	Article number
	Internal	External		
92	125	133	280	40 048 06 17
2 x 92	125	133	265	40 047 03 69
2 x 75	125	133	265	40 047 03 68

**RIGHT-ANGLE BEND**

The bend is fitted with snap connectors and supplied with two sealing rings.

Application	Ø (mm)	Article number
90° Connecting two ducts	92	40 047 04 35
90° Connecting two ducts	75	40 047 04 51

**RIGHT-ANGLE BEND WITH MOUNTING BASE**

The bend is fitted with snap connectors and supplied with two sealing rings.

Application	Ø (mm)	Article number
Floor mounting	92	40 047 04 36
Floor mounting	75	40 047 04 53

**CONNECTION STRAIGHT**

The connection piece is fitted with snap connectors and supplied with two sealing rings.

Application	Ø (mm)	Article number
Connecting two ducts	92	40 047 04 05
Connecting two ducts	75	40 047 03 51

**SCREW COUPLING**

The screw coupling is fitted with snap connectors.

Application	Ø (mm)	Article number
To extend snap connectors	92	40 047 04 37



HYBALANS+ ROUND

CROSS-OVER, RIGHT ANGLES

To allow a cross-over of two 92 mm Ø ducts.

Length (mm)	Article number
500	40 047 04 02



CROSS-OVER, RIGHT ANGLES EXTENDED

To allow a cross-over of two 92 mm Ø ducts.

Length (mm)	Article number
750	40 047 04 03



SEALING RING

Ø (mm)	Article number
1 92	40 047 04 29
2 75	40 048 04 50



CLAMPING BRACKET

Galvanised metal clamping bracket with torque connection.

Application	Ø (mm)	Article number
For securing ducts	92	40 047 04 31
For securing ducts	75	40 047 03 59



DUST CAP

Application	Ø (mm)	Article number
Capping duct ends	92	40 047 04 20
Capping duct ends	75	40 047 03 54
Capping valve connection piece 2x75	75	40 047 03 55



VALVE EXTENSION PIECE

For use with ceiling collar.

Application	Extension (mm)	Application	Article number
For ceiling/floors thicker than 100 mm	40	125	40 047 04 13



HYBALANS⁺ OVAL

FLEXIBLE PLASTIC DUCTING, AIR SUPPLY, BLUE (ANTI BACTERIAL & ANTI STATIC)

This duct is supplied in roll lengths of 20 meters. The outside is made of corrugated HDPE and the inside is made of smooth LDPE.


H x W (mm) External	Article number
52 x 132	40 048 04 35



FLEXIBLE PLASTIC DUCTING, AIR EXTRACTION, RED

This duct is supplied in roll lengths of 20 meters. The outside is made of corrugated HDPE and the inside is made of smooth LDPE.


H x W (mm) External	Article number
52 x 132	40 048 04 36



AIR DISTRIBUTION BOX, LOWER PART

The lower part of the air distribution box is fitted with a restriction table and must be combined with the air distribution box upper part.


Dimensions L x W x H (mm)	Max. outflow (m ³ /h)	Connections	Article number
600 x 210 x 271	350	14	40 048 04 34



AIR DISTRIBUTION BOX XL, LOWER PART

The lower part of the air distribution box is fitted with a restriction table and must be combined with the air distribution box upper part.


Dimensions L x W x H (mm)	Max. outflow (m ³ /h)	Connections	Article number
600 x 210 x 420	350	18	40 048 04 49



AIR DISTRIBUTION BOX, UPPER PART

The upper part of the air distribution box is fitted with a pressure plate and must be combined with the air distribution box lower part. The main connection is suitable for 150 and 180 mm EPP ducting or 180 mm metal ducting. The upper part is made of EPP.

Dimensions L x W x H (mm)	Max. outflow (m ³ /h)	Article number
603 x 207 x 233	350	40 047 04 24



WALL-MOUNTED PLENUM FOR AIR SUPPLY AND EXTRACTION

Height-adjustable plenum with 2 connection ports. The plenum is supplied unpainted. Grille included.

Dimensions L x W x H (mm)	Max. outflow (m ³ /h)	Connections	Article number
310 x 71 x 264 - 344	100	2	40 048 04 46

**FLOOR-MOUNTED PLENUM FOR AIR SUPPLY AND EXTRACTION**

Floor plenum with 2 connections, can be shortened. Upper part: plastic. Lower part: unpainted metal. Grille included.

Dimensions L x W x H (mm)	Max. outflow (m ³ /h)	Connections	Article number
327 x 80 x 310	100	2	40 048 04 45

**CONNECTION BEND, 90° VERTICAL**

The bend is fitted with snap connectors and two sealing rings.

Application	Article number
Creating a 90° connection between two ducts	40 048 04 39

**CONNECTION BEND, 90° HORIZONTAL**

The bend is fitted with snap connectors and two sealing rings.

Application	Article number
Creating a 90° connection between two ducts	40 048 04 38

**RESTRICTION RING**

Calculate the required opening using the calculation software at burgerhout.com.

Application	Article number
Fits into connection piece	40 048 04 47



HYBALANS+ OVAL

AIR VALVE CONNECTION BEND 90°

The valve connection piece is fitted with snap connectors and a fully adjustable mounting base and is supplied with dust cap and sealing ring.

Duct Ø (mm)	Air valve side Ø (mm)		Floor/wall thickness (mm)	Article number
	Internal	External		
52 x 132	125	133	265	40 048 04 42



CONNECTION PIECE

The connection piece is fitted with snap connectors and supplied with gasket and sealing ring

Application	Article number
To connect duct to air distribution box	40 048 04 37



COUPLING PIECE

The coupling piece is fitted with snap connectors and supplied with two sealing rings.

Application	Article number
To extend duct	40 048 04 40



COUPLING PIECE OVAL TO ROUND

To connect oval duct with round duct; the keyed connection can be combined with the connecting piece and the coupling piece.

Application	Article number
Transition from round to oval with keyed connection	40 048 04 44
Transition from round Ø 75 to oval with click coupling	40 048 06 15
Transition from round Ø 92 to oval with click coupling	40 048 06 14



BEND 90° OVAL TO ROUND

Coupling oval duct with round duct using a click coupling.

Application	Article number
Bend from round Ø 75 to oval with click coupling	40 048 06 18
Bend from round Ø 92 to oval with click coupling	40 048 06 19



SEALING RING OVAL

Application	Article number
Spare sealing ring for ducts	40 047 04 29



DUST CAP

The dust cap prevents fouling of ducting during the construction process and the various ducts can be labelled with it.

Application	Article number
Capping duct ends	40 048 04 48



AIR VALVES

A **NEW** addition to the Burgerhout product range are the Hybalans+ designer valves. These valves bring a contemporary look to any home and look good in any up-to-date interior. These metal valves have a matt finish, enabling them to blend in nicely against your ceiling. Just like all our other valves, these designer valves can be selected in the Hybalans+ calculator and can be used in combination with the Hybalans+ restriction rings. These designer valves can also be used as adjustable valves.

THE BENEFITS OF DESIGNER VALVES:

- They can be used in the Hybalans+ calculator (see burgerhout.com)
- Easily respayed in any colour to create a unique interior design
- Suitable both as a supply and an outlet valve, to create a uniform look
- Easy to keep clean and maintain
- They form an airtight seal to the valve connection and the ceiling



DESIGNER SUPPLY AND EXTRACTION AIR VALVE SQUARE

Application	Max. in-flow (m³/h)	Max. out-flow (m³/h)	Article number
Air supply through wall and ceiling	50	75	40 047 40 95



DESIGNER SUPPLY AND EXTRACTION AIR VALVE ROUND

Application	Max. in-flow (m³/h)	Max. out-flow (m³/h)	Article number
Air supply through wall and ceiling	50	75	40 047 40 96



QUADRANT EXTRACTION AIR VALVE

Application	Max. out-flow (m ³ /h)	Article number
Air supply through wall and ceiling	75	40 047 04 15

**TURN EXTRACTION AIR VALVE**

Application	Max. out-flow (m ³ /h)	Article number
Air supply through wall and ceiling	75	40 047 04 17

**CONE SUPPLY AND EXTRACTION AIR VALVE**

Application	Max. in-flow (m ³ /h)	Max. out-flow (m ³ /h)	Article number
Air supply through wall	50	75	40 047 04 14

**DISC SUPPLY AND EXTRACTION AIR VALVE**

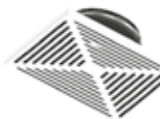
Application	Max. in-flow (m ³ /h)	Max. out-flow (m ³ /h)	Article number
Air supply through ceiling	50	75	40 047 04 18

**WAVE SUPPLY AND EXTRACTION AIR VALVE**

Application	Max. in-flow (m ³ /h)	Max. out-flow (m ³ /h)	Article number
Air supply through wall and ceiling	50	75	40 047 03 80

**MAZE SUPPLY AND EXTRACTION AIR VALVE**

Application	Max. in-flow (m ³ /h)	Max. out-flow (m ³ /h)	Article number
Air supply through wall and ceiling	50	75	40 047 03 86

**GRILLE FOR WALL AND FLOOR PLENUM**

Application	Article number
For wall and floor plenum	40 048 06 13

**FILTER**

To filter the air flowing in to or out of a room.

Application	Article number
For placement in air valves	40 048 06 11



OTHER PLENUMS AND AIR DISTRIBUTION BOXES

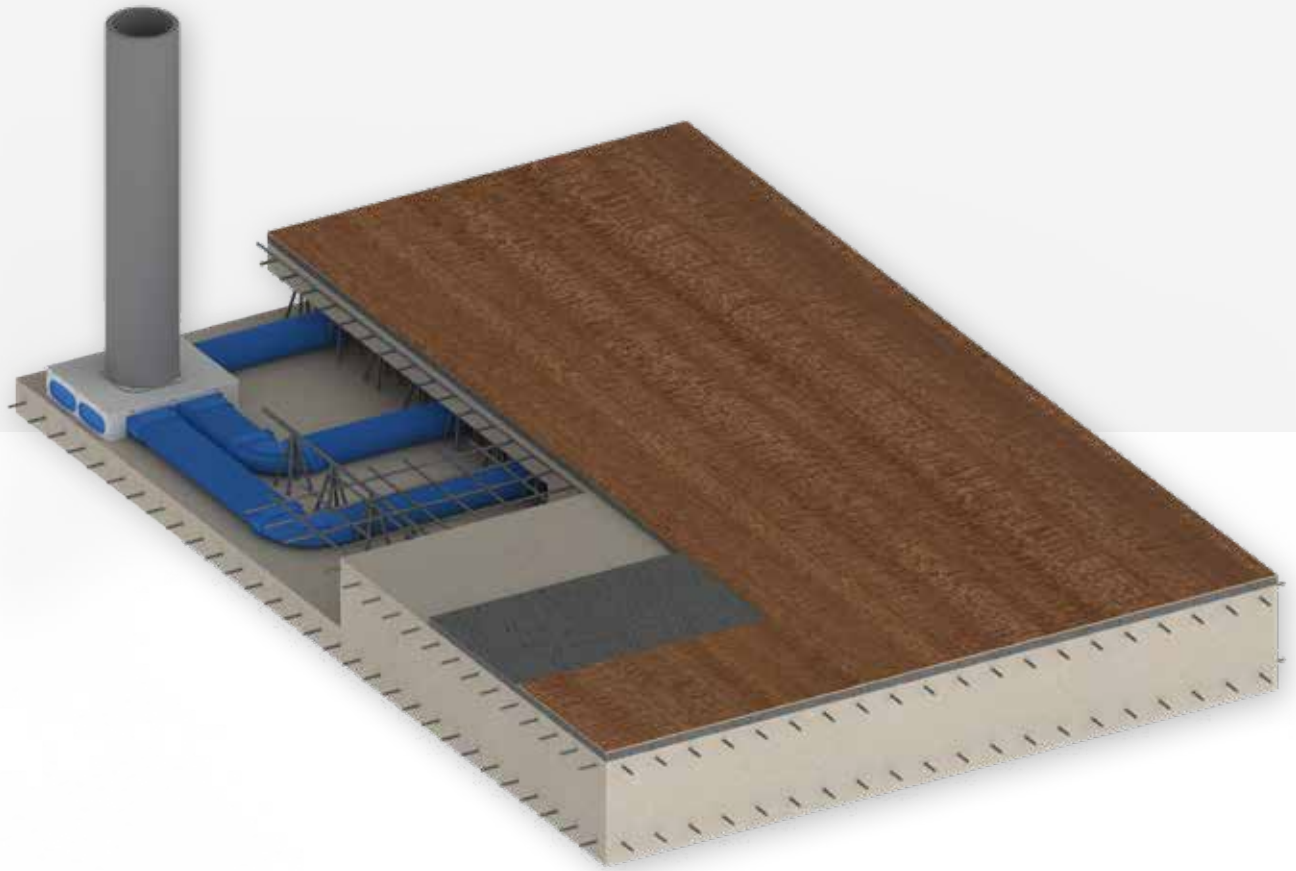
In addition to the extensive Hybalans⁺ air distribution system, Burgerhout has developed a series of ventilation plenums and air distribution boxes that can be used in situations where the standard plenum or air distribution box is not appropriate. For example because there is no space for it. This wide range of products gives the designer more design freedom. These plenums and air distribution boxes can be used with all standard Hybalans⁺ products. The plenums are used separately from the Hybalans⁺ calculator and are configured manually afterwards on the standard adjustable valve.

FLEXIBILITY IN BUILDING

This range of metal plenums and air distribution boxes come in multiple sizes and formats with a variety of connections. They are available for both round and oval ducts and for any size main duct. The main duct can be connected both at the top and at the side, for example when used above a suspended ceiling. The plenums can be made with insulating material and are always equipped with a spiro-safe connection for the insulated ducts.

MADE TO ORDER

Due to the extensive range, these products are made to order for individual projects, they are not available from stock. Contact us for more information.



PLENUMS TOP CONNECTION

	Dimensions L x W x H (mm)	Duct type	Maximum flow (m ³ /h)	Main connection Ø (mm)	Connec- tions	Type	Article number
1	320 x 300 x 112	Round	280	125	8	Non insulated	40 007 61 01
2	400 x 320 x 83	Oval	280	125	8	Non insulated	40 007 61 46



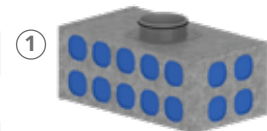
PLENUMS TOP CONNECTION

	Dimensions L x W x H (mm)	Duct type	Maximum flow (m ³ /h)	Main connection Ø (mm)	Connec- tions	Type	Article number
1	402 x 311 x 198	Round	280	125	8	Non insulated	40 007 61 02
	402 x 311 x 198	Round	280	150	8	Non insulated	40 007 61 03
	402 x 311 x 198	Round	280	160	8	Non insulated	40 007 61 04
	402 x 311 x 198	Round	280	125	8	Insulated	40 007 61 05
	402 x 311 x 198	Round	280	150	8	Insulated	40 007 61 06
	402 x 311 x 198	Round	280	160	8	Insulated	40 007 61 07
2	402 x 311 x 198	Oval	280	125	9	Non insulated	40 007 61 47
	402 x 311 x 198	Oval	280	150	9	Non insulated	40 007 61 48
	402 x 311 x 198	Oval	280	160	9	Non insulated	40 007 61 49
	402 x 311 x 198	Oval	280	125	9	Insulated	40 007 61 50
	402 x 311 x 198	Oval	280	150	9	Insulated	40 007 61 51
	402 x 311 x 198	Oval	280	160	9	Insulated	40 007 61 52



PLENUMS TOP CONNECTION

	Dimensions L x W x H (mm)	Duct type	Maximum flow (m ³ /h)	Main connection Ø (mm)	Connec- tions	Type	Article number
1	343 x 615 x 244	Round	450	150	18	Non insulated	40 007 61 40
	343 x 615 x 244	Round	450	160	18	Non insulated	40 007 61 41
	343 x 615 x 244	Round	450	180	18	Non insulated	40 007 61 42
	343 x 615 x 244	Round	450	150	18	Insulated	40 007 61 43
	343 x 615 x 244	Round	450	160	18	Insulated	40 007 61 44
	343 x 615 x 244	Round	450	180	18	Insulated	40 007 61 45
2	343 x 615 x 244	Oval	450	150	16	Non insulated	40 007 61 59
	343 x 615 x 244	Oval	450	160	16	Non insulated	40 007 61 60
	343 x 615 x 244	Oval	450	180	16	Non insulated	40 007 61 61
	343 x 615 x 244	Oval	450	150	16	Insulated	40 007 61 62
	343 x 615 x 244	Oval	450	160	16	Insulated	40 007 61 63
	343 x 615 x 244	Oval	450	180	16	Insulated	40 007 61 64





VENTILATION DESIGN TOOLS

[Hybalans+ calculator](#)

[Burgerhout videos](#)

[Data sheets](#)

[BIM](#)

[Installation examples](#)



Burgerhout®

a brand of M&G Group

CALCULATOR

The Hybalans+ air distribution system is adjusted using the restriction rings. This way, the required ventilation flow rate of each room can be adjusted from the air distribution box. Based on the ventilation requirement, you can easily make an installation plan for this using the online Hybalans+ calculator. This way you can always be sure that the entire system functions properly and that a healthy indoor climate is guaranteed.

Benefits of calculating ventilation solutions:

- The calculator shows the restriction ring settings required to meet the needs for each space. This improves comfort, and you no longer need to adjust valves manually afterwards.
- The ventilation needs in each space are used to calculate the capacity, so you can make the right choice for a heat recovery system or ventilator.
- You can design the entire system, including heat recovery unit, vents and accessories. Both for system C and system D.
- Calculation ready? Then you will receive a calculation report listing all results and a component list including article numbers for all Burgerhout materials. You can easily order against this list, it's that easy! The restriction rings and connectors are also automatically included in the component list based on your calculation.

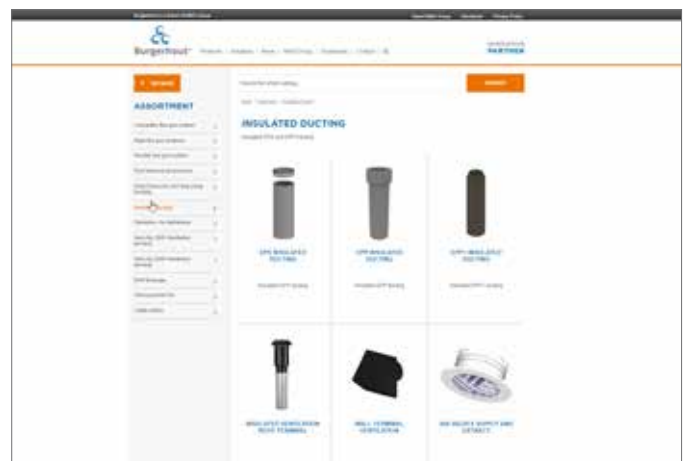
ONLINE HYBALANS+ CALCULATOR

Burgerhout has introduced the online calculator that allows you to work on your project anytime and anywhere. The entire product portfolio is continuously updated so that you always know you have the right products. By saving all projects in your account, you always have an overview of the projects and you can download a calculation report for all projects. You can use this calculation report to order all required components from your wholesaler, after which the installer can easily configure the entire system. Guaranteed the right result based on your ventilation requirement!



ONLINE CATALOGUE

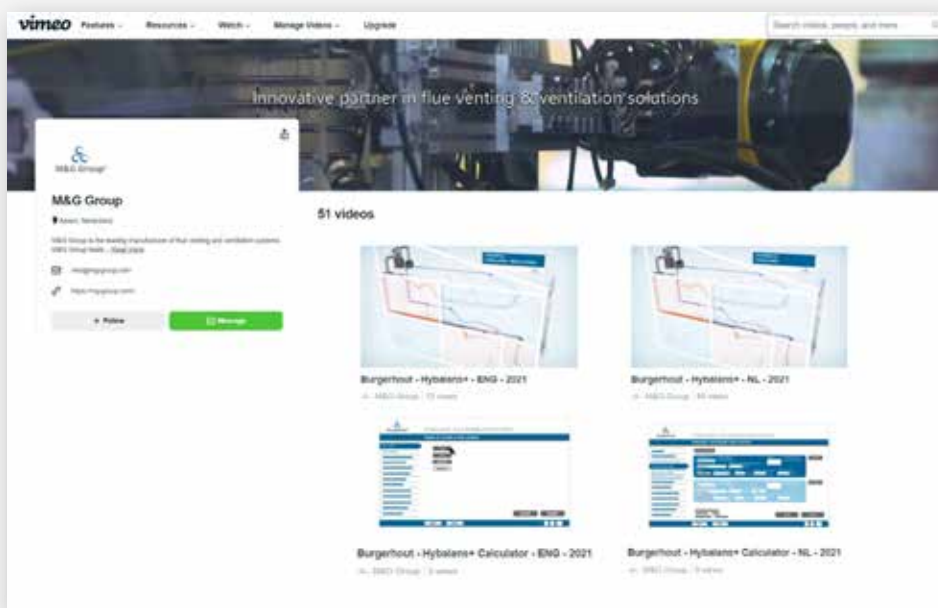
Go to burgerhout.com for the latest version of the Burgerhout online catalogue. Here you can easily and quickly find the desired products in the available versions, including sizes and specifications. In order to give you the best possible product information, each product is provided with line drawings and technical information.



BURGERHOUT VIDEOS

YOUTUBE/VIMEO

Check out the Burgerhout website or YouTube channel to view the latest product videos. Burgerhout also has many informative installation videos and you can stay informed about innovations through our innovation videos! vimeo.com/burgerhout



DATA SHEET

The Burgerhout data sheets contain all technical information about the products, including technical measurement data and product dimensions. The data sheets can be found on the Burgerhout website and in the online catalogue.

HYBALENS+
TECHNICAL DATASHEET

General information

Hybalens+ Manifold box lower part XL 350R14 132x52

Specifications

Article number	400480449
Product category	Air extraction plenum / Air distribution
Material	Aluminium
Colour	RAL-7045
Wall Thickness (mm)	26
Weight (kg)	5,16

Dimensions

Dimensions (l x w x h mm)	640 x 210 x 420
Connection diameter flexible (mm)	132x52
Connection diameter rigid (mm)	

Application Insights

Intended use	Air
Supply / Extract	Supply/Extract
Number of connections	14
Temperature range (°C)	-25 / +80

Technical Specifications

Maximum air flow (m³/h)	350
Air Tightness Class	3
R-value (m²K/W)	0,86
Other specifications	-

Version M&G-DS-400480449-2021.10 - Specifications are subject to change without notice.

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VENTILATION
TECHNICAL DATASHEET

General information

Roof terminal Ventilation Isolated 160 L=1000 Black

Specifications

Article number	400480600
Product category	Ventilation terminals
Material	Aluminium/EPF
Colour	RAL-9005
Weight (kg)	4,9

Dimensions

Diameter inside (mm)	171
Diameter outside (mm)	200
Dimensions (l x w x h mm)	1000 x 300 x 300

Application Insights

Intended use	Ventilation
Supply / Extract	Supply/Extract
Temperature range (°C)	-25 / +80

Technical Specifications

Resistant to ice/rain	Yes
Maximum air flow (m³/h)	425
ζ extract	0,42
ζ supply	2,27
λ Thermal conductivity (W/m·K)	0,032
R-value (m²K/W)	0,28
Other specifications	-

Version M&G-DS-400480600-2021.10 - Specifications are subject to change without notice.

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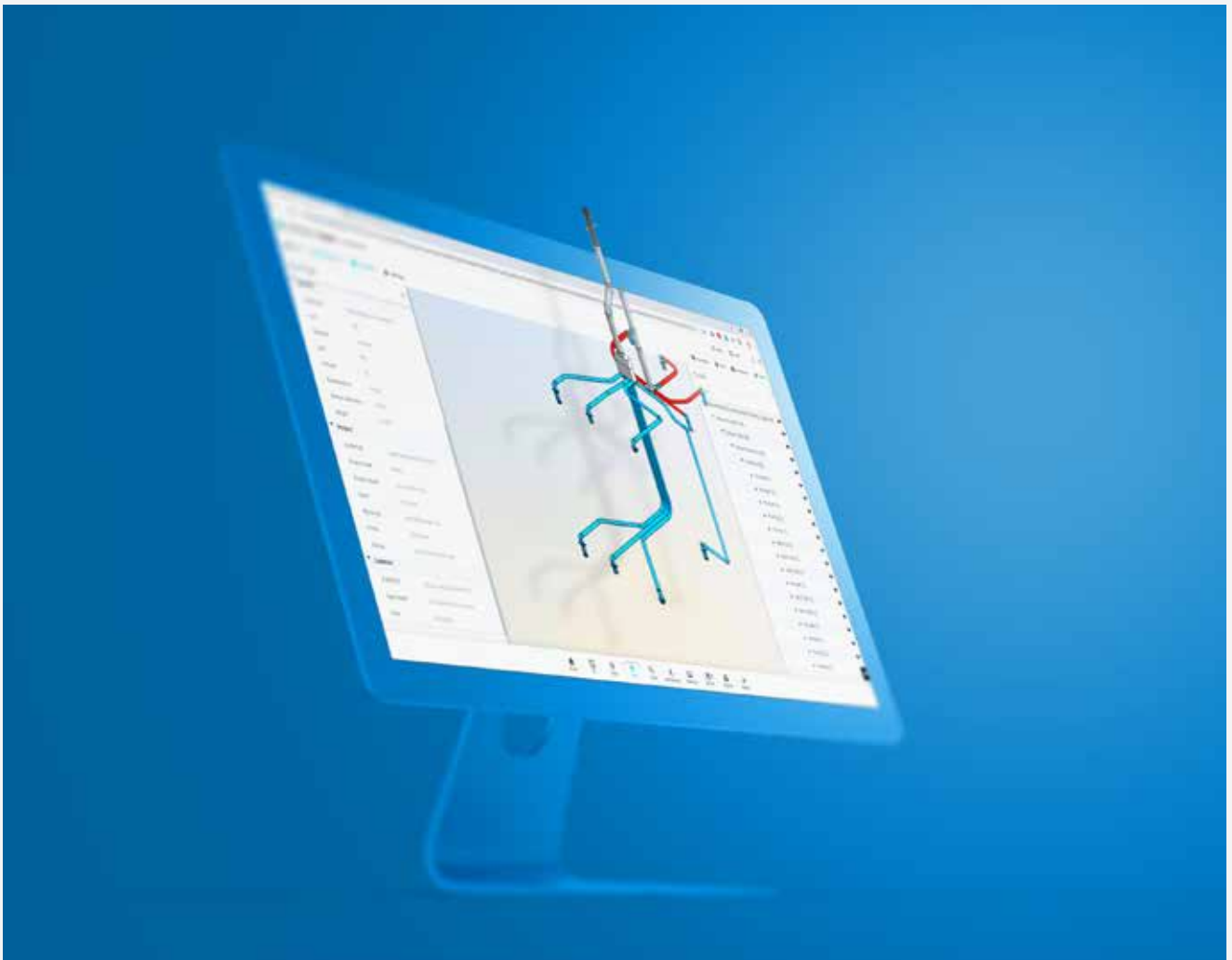
BIM

Download our BIM (Building Information Model) library for flue gas and ventilation via burgerhout.com. These are complete libraries that make it easy to apply our products in any construction project.

Burgerhout's Revit libraries are of BIM level LOD 400. Uneto/VNI and Ketenstandaard (ETIM-RT project) have also been implemented. The technical development is minimally based on the Dutch Revit Standards version 2.5.2. IFC has been implemented with IFC2.3X classification including class properties, making it fully IFC4 compatible.

Burgerhout BIM products are modelled for functional use in a BIM process. This also means that the geometry is not modelled in detail, just the positioning geometry, typical external characteristics (simplified) and relevant connection

and attachment points. Non-relevant product design and detailing or certain features may have been left out to be able to use the products pragmatically and without overly heavy loads. Some examples here would be material rounding, screws, internal geometry and perforations, etc. Burgerhout has developed what it believes is a highly useable Revit library. Despite the utmost of care taken in its development, imperfections cannot be ruled out, for which Burgerhout is not responsible. Burgerhout does not accept any liability in this regard. Some examples here would be typos in names or article codes, colour/material or deviating dimensions. In cases of variable article lengths, it is possible, practically speaking, that you may enter an impossible dimension. If this occurs, the system will automatically display an article number error.



INSTALLATION EXAMPLES



CONCRETE HOLLOW



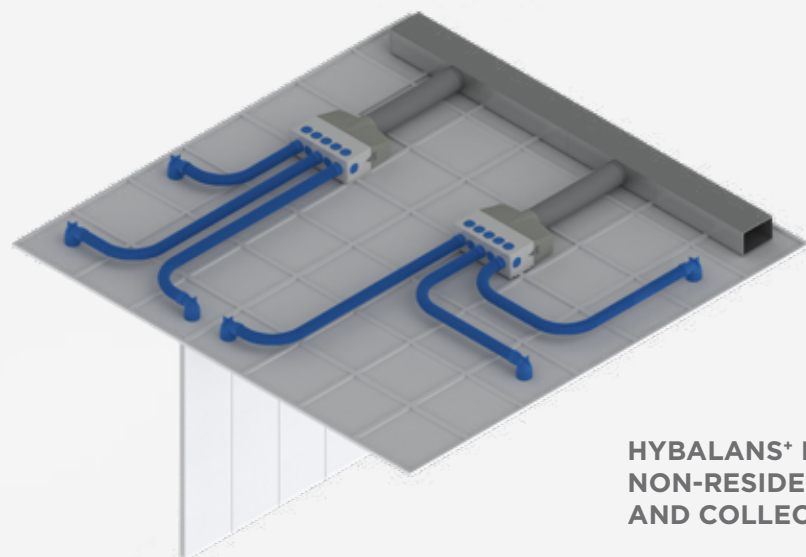
CAST-IN-SITU FLOOR



WIDE SLAB FLOOR



CEMENT FLOOR SUSPENDED
CEILING WALL SYSTEM



HYBALANS+ FOR
NON-RESIDENTIAL CONSTRUCTION
AND COLLECTIVE SYSTEMS





FLAT ROOFING ACCESSORIES

Vent-Alu 3000

Cable entries

VENT-ALU 3000

The Burgerhout Anjo Vent-Alu 3000 range is a modular series of flat-roof vents. The range can, for example, be used for natural ventilation, as a vapour-tight connection to the soil vent pipe or to ventilate the roof construction. When developing this product line, we paid a lot of attention to circularity and sustainability. The Burgerhout Anjo Vent-Alu 3000 is made of reusable metals and plastics and can be completely disassembled. All parts are fully recyclable.

Burgerhout supplies the complete Anjo Vent-Alu 3000 system of flat-roof vents. The individual modular components can be installed separately or installed directly as a complete product. Roof flashings are also available with PVC coating.

ADVANTAGES TO THE ROOFER:

- Modular system providing air and vapour-tight connections
- Five sizes satisfy ten connection diameters
- Fire-retardant EPS insulation: flame-extinguishing and flame-retardant
- PP: UV-resistant, extremely strong and durable
- Sustainable: the entire system can be disassembled and is fully recyclable
- Can be extended above and beneath the roof and even allows for retrofitting/upgrading of components
- No electrical power supply is required for the wind-driven Anjo Vent-Alu Rotor PP



**THE SERIES CONSISTS OF
THE FOLLOWING COMPONENTS:**

- PP top cover
- Wind-driven Vent-Alu Rotor PP fan



- Double-walled above roof extension piece with sleeve



- Aluminium double-walled adhesive flashing
- Double-walled adhesive flashing with PVC coating



PVC-coating

- Adhesive flashing for vapour barrier



Prefab flashing

- PP Extension piece with sleeve and stepped seal



VENT-ALU 3000

DOUBLE-WALLED INSULATED VENT WITH PP TOP COVER

Type	Ø Spigot (mm)	Overall Height (mm)	Spigot length (mm)	Article number
50-60	44 - 57	250	50	42 045 41 05
70-80	67 - 77	255	50	42 045 41 07
90-100	84 - 96	260	50	42 045 41 09
110-125	104 - 118	265	55	42 045 41 11
150-160	142 - 152	280	50	42 045 41 15



DOUBLE-WALLED INSULATED VENT WITH PVC COATED FLASHING AND PP TOP COVER

Type	Ø Spigot (mm)	Overall Height (mm)	Spigot length (mm)	Article number
50-60	44 - 57	250	50	42 047 41 05
70-80	67 - 77	255	50	42 047 41 07
90-100	84 - 96	260	50	42 047 41 09
110-125	104 - 118	265	55	42 047 41 11
150-160	142 - 152	280	50	42 047 41 15



DOUBLE-WALLED INSULATED VENT WITH PP TOP COVER AND LEADAX FLASHING

Type	Roof Angle	Article number
70-80	15° - 60°	42 045 67 07
90-100	15° - 60°	42 045 67 09
110-125	15° - 60°	42 045 67 11



PP TOP COVER

Type	Article number
50-60	42 045 44 05
70-80	42 045 44 07
90-100	42 045 44 09
110-125	42 045 44 11
150-160	42 045 44 15



WIND-DRIVEN ROTOR PP

Type	Article number
90-100	42 045 84 09
110-125	42 045 84 11
150-180	42 045 84 15



ALUMINIUM DOUBLE-WALLED INSULATED ADHESIVE FLASHING

Type	Ø Spigot (mm)	Overall Height (mm)	Spigot length (mm)	Article number
50-60	44 - 57	160	50	42 045 43 05
70-80	67 - 77	160	50	42 045 43 07
90-100	84 - 96	160	50	42 045 43 09
110-125	104 - 118	160	55	42 045 43 11
150-160	142 - 152	160	50	42 045 43 15

**ALUMINIUM DOUBLE-WALLED INSULATED ADHESIVE FLASHING WITH PVC COATING**

Type	Ø Spigot (mm)	Overall Height (mm)	Spigot length (mm)	Article number
50-60	44 - 57	160	50	42 047 43 05
70-80	67 - 77	160	50	42 047 43 07
90-100	84 - 96	160	50	42 047 43 09
110-125	104 - 118	160	55	42 047 43 11
150-160	142 - 152	160	50	42 047 43 15

**PP EXTENSION PIECE WITH SLEEVE**

Type	Ø Spigot (mm)	Overall Height (mm)	Spigot length (mm)	Article number
50-60	44 - 57	160	50	42 045 45 05
70-80	67 - 77	160	50	42 045 45 07
90-100	84 - 96	160	50	42 045 45 09
110-125	104 - 118	160	55	42 045 45 11
150-160	142 - 152	160	50	42 045 45 15

**PP DOUBLE-WALLED ABOVE ROOF EXTENSION PIECE WITH SLEEVE**

Type	Length (mm)	Article number
50-60	200	42 045 46 05
70-80	200	42 045 46 07
90-100	200	42 045 46 09
110-125	200	42 045 46 11
150-160	200	42 045 46 15

**ADHESIVE FLASHING FOR VAPOUR BARRIER APPLICATIONS INCLUDING SLEEVE**

Type	Ø Spigot (mm)	Overall Height (mm)	Spigot length (mm)	Article number
50-60	44-57	160	50	42 045 55 05
70-80	67-77	160	50	42 045 55 07
90-100	84 -96	160	50	42 045 55 09
110-125	104-118	160	55	42 045 55 11
150-160	142-152	160	50	42 045 55 15



Note: All dimensions given are in millimeters.

CABLE ENTRIES

When installing heat pumps, solar panels or other installations on the roof, cables and/or pipes must be led through the roof surface. A standard range of cable entries is available from stock. These can be used for a wide range of domestic, commercial and industrial applications.



CABLE ENTRY WITH DOUBLE-WALLED INSULATION

This cable entry has an elegant appearance and is easy to open and close. Ideal if cables and/or pipes have to be routed through the roof afterwards. The new doublewalled, insulated and re-closable cable entry is available in the sizes 60 and 100 mm.

The supplied adhesive flashing has double-walled insulation, making it resistant to condensation. The additional "barrier" that is supplied ensures an airtight sealing and prevents intrusion by vermin. The adhesive flashing can be connected vapour-tight and airtight and can be extended under the roof. The reclosable hood is made of PP, very strong and UV resistant. The adhesive flashing is provided with a flame-retardant and flame-extinguishing EPS insulation and is also available with a PVC coating.

When developing this product, we paid a lot of attention to circularity and sustainability. The cable entry is made of reusable metals and plastics and can be completely disassembled. All parts are fully recyclable, with little or no loss of quality of the base materials.

CABLE ENTRY WITH DOUBLE-WALLED INSULATION

Type	Diameter (mm)	Article number
Cable entry insulated	60	42 046 09 06
Cable entry insulated	100	42 046 09 10
Cable entry insulated with PVC coating	60	42 047 09 06
Cable entry insulated with PVC coating	100	42 047 09 10



CABLE ENTRIES

ALUMINIUM CABLE ENTRY WITH PP BENDS

The adhesive aluminium flashing is cylindrical where the bends connect allowing a firm multi-directional connection. The cable entries guarantee rapid assembly because the bends can be slipped over the cables independently.

ALUMINIUM CABLE ENTRY WITH PP BENDS

Type	Ø Plate (mm)	Ø Cable entry (mm)	Offset (mm)	Overall Height (mm)	Article number
50	275	50	125	305	42 046 07 50
75	310	75	140	325	42 046 07 75
110	330	110	170	380	42 046 07 11
125	340	125	190	380	42 046 07 12



CABLE ENTRY WITH PP BENDS AND ADHESIVE FLASHING WITH PVC COATING

Type	Ø Plate (mm)	Ø Cable entry (mm)	Offset (mm)	Overall Height (mm)	Article number
50	275	50	125	305	42 047 07 50
75	310	75	140	325	42 047 07 75
110	330	110	170	380	42 047 07 11
125	340	125	190	380	42 047 07 12



ALUMINIUM WELDED CABLE ENTRIES

These cable entries were developed by Anjo to feed through thicker or multiple cables easily and rapidly. The loose cover allows easy access to the cables, while the bevelled edges prevent damage to the cables.

CABLE ENTRY, ALUMINIUM, SINGLE ENTRY

Type	Throat size (mm)	Size Plate (mm)	Overall Height (mm)	Article number
120x120	120 x 120	320 x 320	250	42 046 09 12



CABLE ENTRY, ALUMINIUM, DOUBLE ENTRY

Type	Throat size (mm)	Size Plate (mm)	Overall Height (mm)	Article number
120x120	120 x 120	320 x 320	250	42 046 09 24



CABLE ENTRY, ALUMINIUM, WIDE ENTRY

Type	Throat size (mm)	Size Plate (mm)	Overall Height (mm)	Article number
125x250	125 x 250	320 x 320	250	42 046 09 25





Innovative partner in flue venting & ventilation solutions

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