

FRÄNKISCHE

FRÄNKISCHE UK

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Project manager: Matt Densham
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Tel: 07720 971256
Project name: Moseley Road
Quote ref: MV61997
Date: September 3, 2021

Dear David

We have designed a bespoke home ventilation system using Profi-air from Fränkische. This system uses a radial ducting system, with every vent supplied by its own individual pipes, eliminating noise and smell transfer between rooms. Your design exceeds UK building control and is designed to German standards. Find out more information and view the product videos by visiting:

<https://www.spezialisten-haustechnik.de/en/home/>

Details of your bespoke design, along with further information can be found on the following pages.

- Fully balanced ventilation system
- Flexible anti-bacterial pipework
- CAD pipe installation drawings
- SAP certified units
- Control via pc or smart phone
- Commissioning available
- £1m design guarantee
- DIBT approval

MVHR unit	MVHR unit location	Duct size	Price
Flex 250	Kitchen Store	75mm	£ 4608.78 + VAT

Notes: Flex 250 unit wall mounted in the Kitchen Store cupboard.

Matt Densham

Robbens Systems®
matt@robbens.co.uk



FRÄNKISCHE UK Ltd
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DRAINAGE SYSTEMS
ELECTRICAL SYSTEMS
BUILDING TECHNOLOGY
INDUSTRIAL PRODUCTS

Determination of total air volume flow rate acc. to DIN 1946-6 09/2009

	Extract air rooms	Supply air rooms	Overflow	Total	
Total area	22.00	77.00	17.00	116.00	m²
Total volume	135.00	193.00	44.00	293.00	m³/h

Type of ventilation	Ventilation for protection against moisture	reduced ventilation	Nominal ventilation	Intensive ventilation	
Total flow	54	126	180	234	m³/h
Air exchange	0.18	0.43	0.61	0.80	1/h
Volume flow for technical ventilation measure	50	116	165	215	m³/h

Effective ventilation by means of infiltration:

15 m³/h

Ventilation for protection against moisture

54 m³/h

Determination of air volumes per room acc. to DIN 1946-6

Designation	Type of room	Floor	Factor	Supply air m³/h	Extract air m³/h	Valves	Pipes
Kitchen	EXT - kitchen	Ground floor	0	0	54.45	1	2
Living	SUP - living room	Ground floor	3	45	0	1	2
Hall/Stair	OVF - hallway	Ground floor	0	0	0	0	0
Bedroom 1	SUP - bedroom	Upper floor	2	30	0	1	1
Bedroom 2	SUP - bedroom	Upper floor	2	30	0	1	1
Bathroom 1	EXT - bathroom	Upper floor	0	0	54.45	1	2
Landing	OVF - gallery	Upper floor	0	0	0	0	0
Store	OVF - hallway	Upper floor	0	0	0	0	0
Bedroom 3	SUP - bedroom	2nd floor	2	30	0	1	1
Bedroom 4	SUP - bedroom	2nd floor	2	30	0	1	1
Bathroom 2	EXT - bathroom	2nd floor	0	0	54.45	1	2
Landing	OVF - gallery	2nd floor	0	0	0	0	0
Store	OVF - hallway	Ground floor	0	0	0	0	0
Total				165	163.35		

Bill of material

Item	Article number	Illustration	Short text	Quantity	Unit
1	78304736		profi-air flex ventilation unit ventilation unit with easySwitch function (switchable air connections) Energy efficiency grade A profi-air 360 flex 360 m³/h, max 270 Pa	1	pcs
2	78316820		profi-air connection set 4x DN 160 profi-air iso or spiral ducts	1	set
3	78316850		profi-air silencer with sealing lips, length 1 m - DN 160	2	pcs
4	78300835		profi-air humidity sensor to be installed in the ventilation unit (extract air side) for profi-air flat / flex	1	pcs
5	78316101		profi-air iso pipe incl. 1 coupling, DN 160 x 1000 mm	12	pcs
6	78316140		profi-air iso elbow 90° incl. 1 coupling, DN 160	4	pcs

Item	Article number	Illustration	Short text	Quantity	Unit
7	78316174		profi-air external wall grill stainless steel, DN 160	2	pcs
8	78316011		profi-air classic manifold plus 10x dim. 63 / 75 / 90, 1x DN 160	2	pcs
9	78375305		profi-air classic Rohr in coils dim. 75 - 50 m	120	m
10	78375375		profi-air classic O-ring dim. 75	30	pcs
11	78375381		profi-air classic outlet 90° plus 2x dim. 75 / DN 125	8	pcs
12	78375321		profi-air classic connection coupling dim. 75	12	pcs
13	78375310		profi-air classic coupling dim. 75	3	pcs

Item	Article number	Illustration	Short text	Quantity	Unit
14	78312630		profi-air supply and extract valve incl. clamp spring plastic white DN 125	8	pcs
15	78312650		profi-air filter for extract valves DN 125	3	pcs

Certificates

Deutsches
Institut
für
Bautechnik

DIBt

DIBt

All profi-air ventilation units have the general building authority approval by the German Institute for Building Technology.



Hygiene certificate

The profi-air classic and profi-air tunnel pipes have antibacterial inner coatings approved by the Ruhr District Institute of Hygiene / Institute for Environmental Hygiene and Toxicology



profi-air 250 flex – The All-rounder



easySWITCH function

Flexibly changeable air connections to make sure you always have the right unit on site!

Flexible connection options

The supply air connection is optionally possible also at the bottom side of the unit.

Very little space required

Thanks to its compact design, the unit requires less than 0.3 m² of installation surface, and it can also be installed in a standard cabinet.

Control via app

With the free profi-air cockpit app, the air volume can be easily controlled manually by means of a smartphone or tablet.

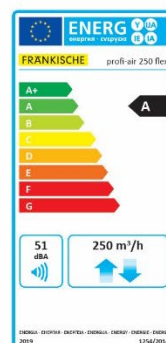
Commissioning software

The profi-air cockpit pro software facilitates putting into operation and convinces with guided stepwise air volume setting.

n Passive House certificate*

Technical data

	profi-air 250 flex
Dimensions W/D/H [mm]	540 × 549 × 1056
Weight [kg]	42
Heat recovery level	up to 96 %
Recommended application [m³/h]	70–250
Energy efficiency grade	A or A+**

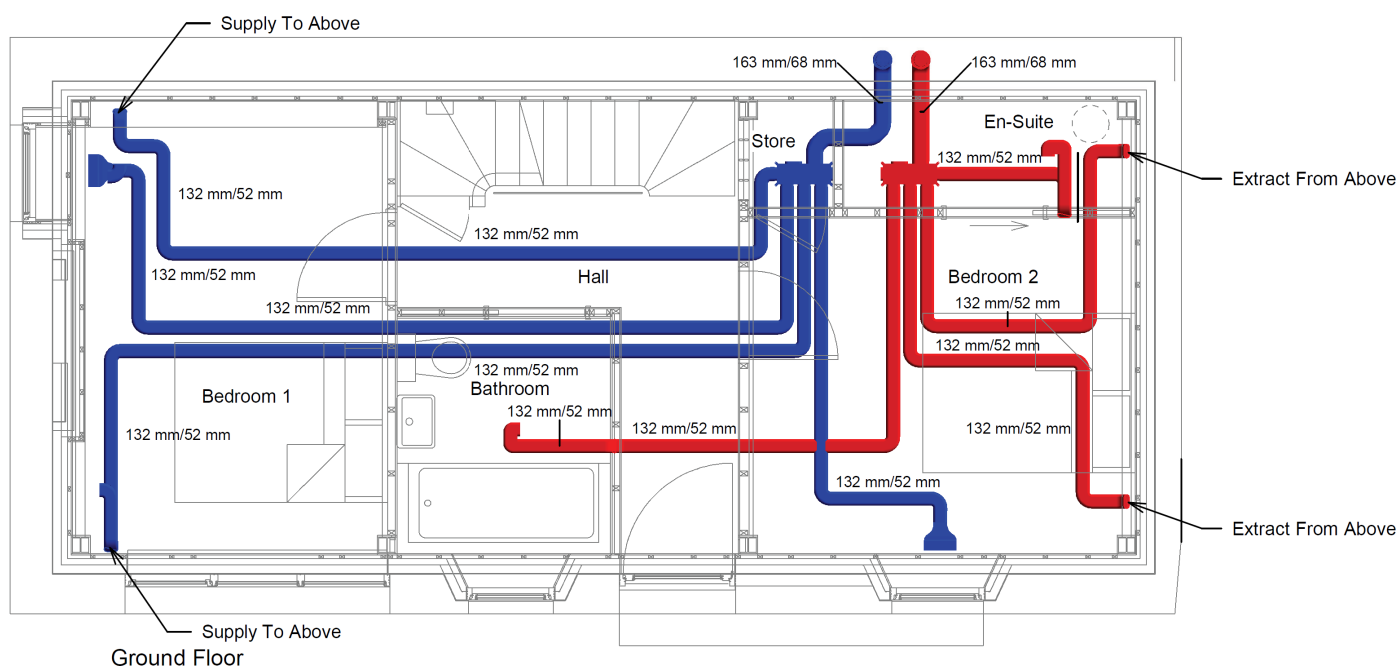
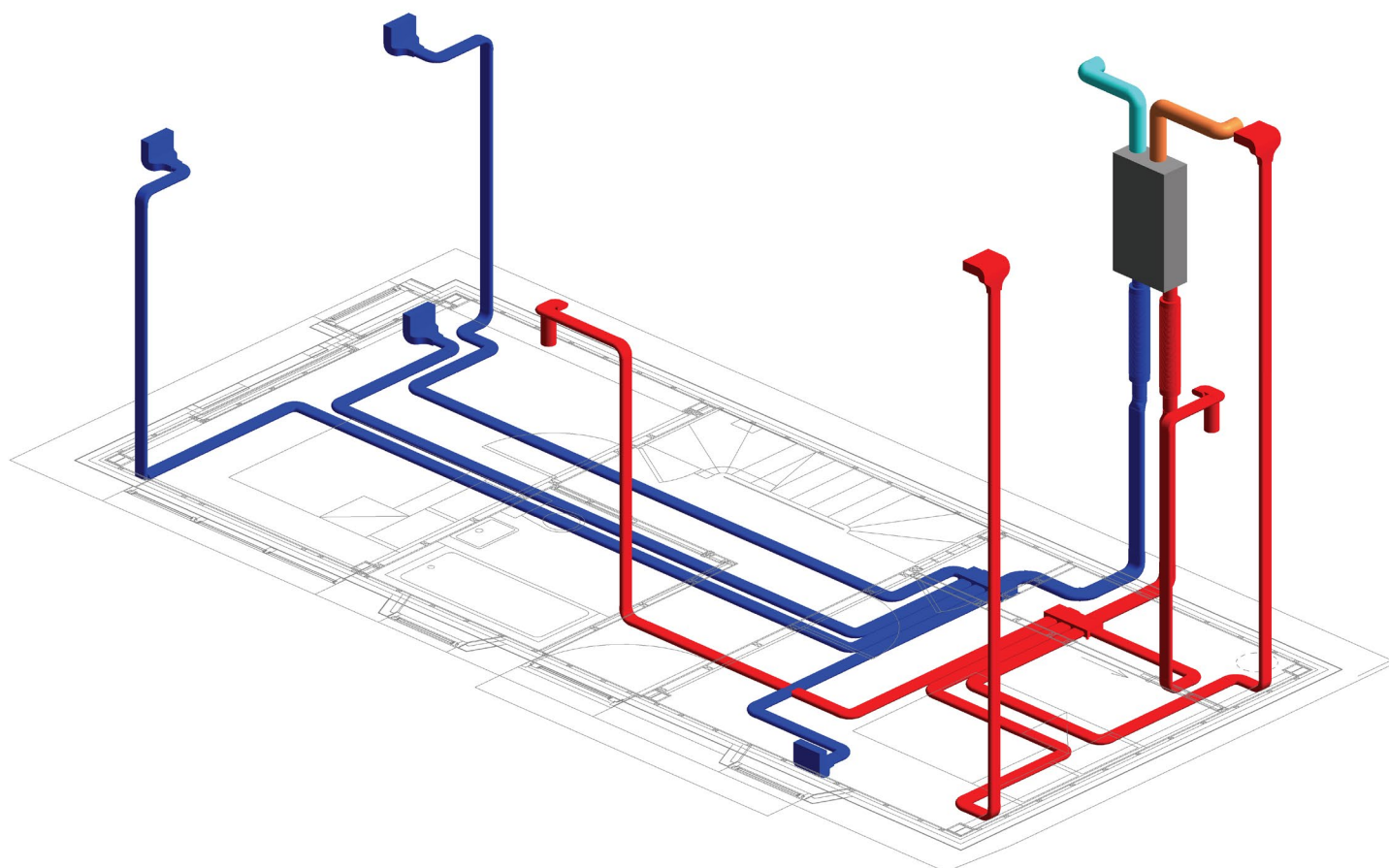


* pending

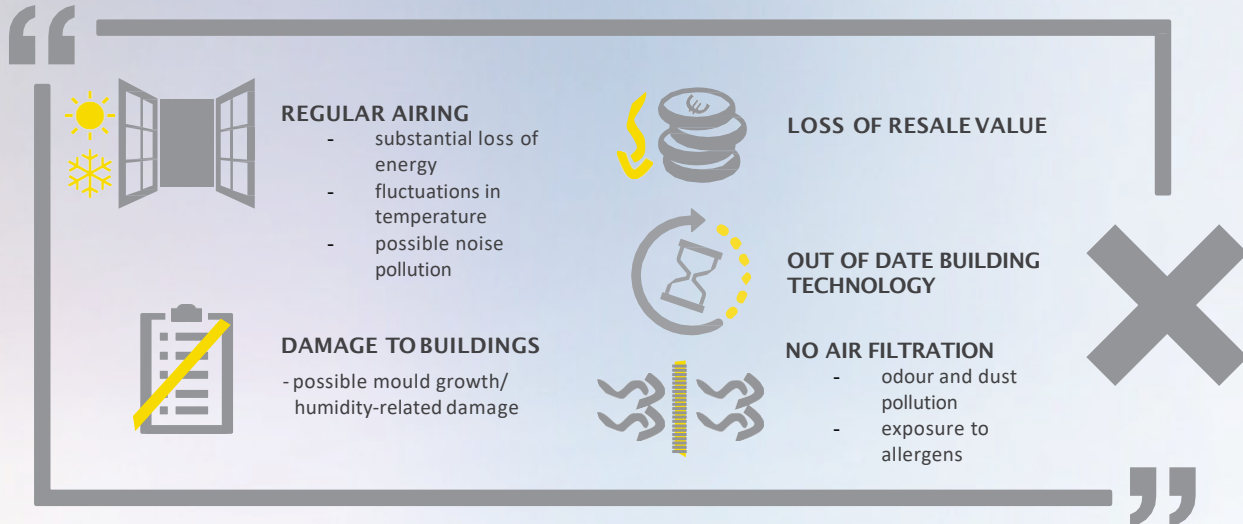
** in combination with two room sensors

Example of ducting design:

Your bespoke installation design will be created once a deposit is paid – alternatively, we can produce the complete drawings and 3D layout for a £99 design fee. This will be credited back against your order.



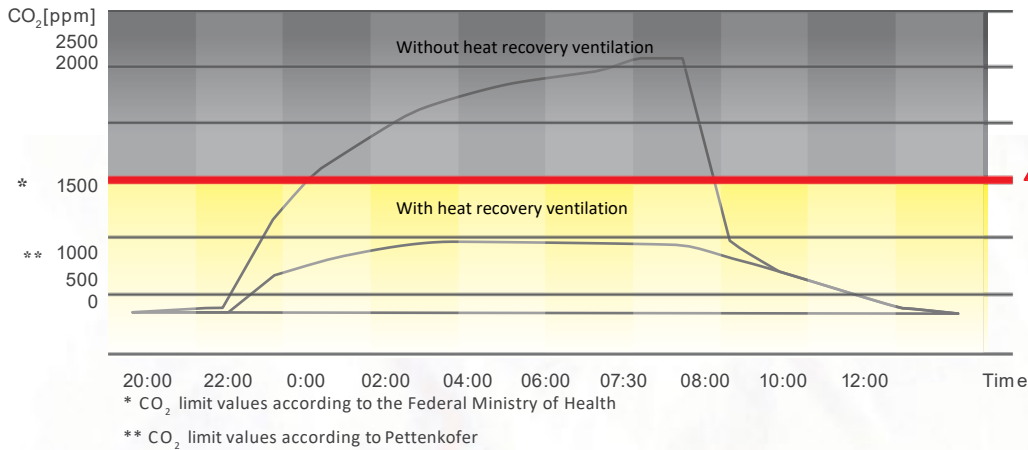
Without MVHR ...



With MVHR ...



Measurement of CO₂ concentration in a bedroom



Simply enjoy sleeping

An average person spends eight hours a night in bed. The CO₂ amount in a bedroom occupied by two people exceeds the limit value stipulated by the Federal Ministry of Health in Germany within two hours.

profi-air heat recovery ventilation is there to ensure a constantly healthy and relaxing living climate 24 hours a day.

Our advanced ventilation units have various speed settings, with lower fan speeds for night operation. This ensures you have ample fresh filtered air, along with almost silent operation.



Individual combination

starline Design grills



SHAPE BUSINESS
Glass White Pure



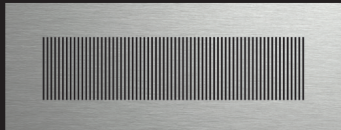
SHAPE STYLE
Glass White Pure



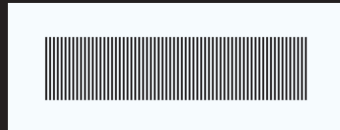
SHAPE COMPACT
Glass White Pure



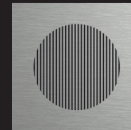
SHAPE CIRCLE
Glass White Pure



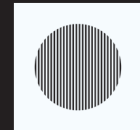
LINE
Ground stainless steel



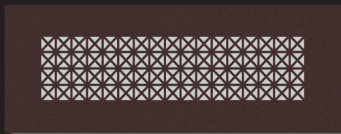
LINE
White (RAL 9016)



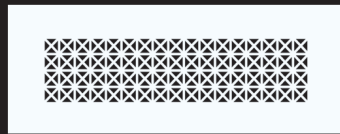
LINE COMPACT
Ground stainless steel



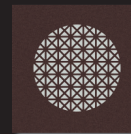
LINE COMPACT
White (RAL 9016)



PYRAMID
Dark rust bronze



PYRAMID
White (RAL 9016)



PYRAMID COMPACT
Dark rust bronze



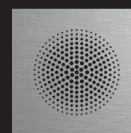
PYRAMID COMPACT
White (RAL 9016)



AVANTGARDE
Ground stainless steel



AVANTGARDE
White (RAL 9016)



AVANTGARDE COMPACT
Ground stainless steel



AVANTGARDE COMPACT
White (RAL 9016)



FLORA
Anthracite



FLORA
White (RAL 9016)



FLORA COMPACT
Anthracite



FLORA COMPACT
White (RAL 9016)



Experience the whole variety at www.designgrills.com

by **sieger design**

Placing your order:

You can order via phone or by email.

Phone: 01424 851111

Email: sales@robbens.co.uk

Delivery & lead times:

We normally require 10 working days between ordering and delivering your system.

This allows time to properly design the ducting layout, and confirm your agreement to the proposed ducting routes through the fabric of the building.

If you need your system faster, please call us on 01424 851111 to confirm availability of design slots, or speak to your personal

Deposits:

A deposit of 50% is required, which is held in our client account until your order is delivered. This can be paid electronically, by cheque or by credit/debit card.

Account holders can charge to their credit account - orders must be placed in writing (email, electronically, post or fax)

Balance payments:

Balance payments must be made as cleared funds to arrive 3 days before your scheduled delivery date. This can also be paid electronically, by cheque or by credit/debit card.

For electronic payments - our bank details are:

Current account (Payments): Account Number
31196235 | Sort code 40-10-14 | HSBC, Bexhill on Sea

Order information:

However your order is placed, we will need to confirm the following information.

Quote reference number eg MV12345 and amendment reference where multiple quotes have been produced - eg MV12345A

- Delivery address
- Invoice address
- MVHR unit location
- Main intake & extract (walls or roof)
- Air Manifold locations
- Any special instructions

Drawings and 3D designs:

We will fully design your MVHR system, and provide both 2D & 3D drawings once your deposit has been paid.

You can also have these drawings produced in advance upon payment of a £99 design fee, which will be credited against your final order once placed.

Amendments to the design once produced, and due to your changes of unit location, manifold positions etc will be charged at £50 per redesign.

Pre-sale site visit:

We prefer to visit site and run through the best design options for your building. This service is provided free of charge, as experience has shown it avoids problems for you and your installers.

