

FACT BOOK

schweigen



SILENT RANGEHOODS

New Zealand's Quietest, Strongest & Most Efficient Rangehoods

www.schweigen.co.nz

1. What makes Schweigen Rangehoods “Silent”?

External Motor (Silent IsoDrive System).

Our revolutionary silent rangehood concept begins by having the motor removed from the canopy and placing it externally outside your home. This ensures silent extraction inside your kitchen while being able to sport powerful German made motors that can handle any cooking need.

Noise Produced by External Motor (Outside)

1600 Motor emits 73dbA, one meter away from motor.

650 Motor emits 60.9dbA one meter away from motor.

In most situations the motor will not be heard above ambient noise outside.



2. What makes the external motor system better than standard internal systems?

The external motor unit removes the fan noise from the kitchen and transfers it to outside of the home. This allows the use of more powerful motors providing Schweigen

rangehoods with unrestricted airflow technology that caters for a healthier environment for the entire family.

3. Can the motor be heard inside?

Installed correctly and used at the lower speeds, Schweigen silent rangehoods cannot be heard over the ambient noise within the kitchen. At higher speeds wind noise may be heard, depending on the distance of the motor from the rangehood and the type of filters selected.

4. Can I install the rangehood myself? Will it still be covered by warranty if I do?

Yes. If you are confident in your expertise and wish to install the rangehood yourself, you may do so - granted you first check with your local council for building regulations and follow the instructions in the rangehood and motor guides. Proper installation will not void the warranty. However, we do recommend you use a Schweigen Recommended Installer to ensure proper installation and optimal performance.

5. Are Schweigen Silent Rangehoods expensive to install?

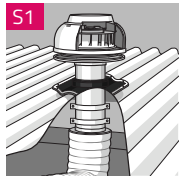
In most cases Schweigen silent rangehoods incur the same cost as the installation of any standard rangehood. Please contact your nearest Schweigen Recommended Installer for a quote.

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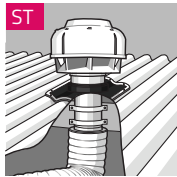
6. What are the different motor variations and what do they mean?

We have designed 5 different types of motor assemblies to cater to all cooking needs and extraction.

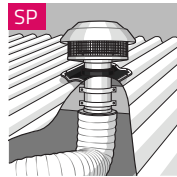
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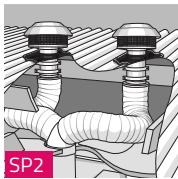
Minimal Cooking
Single Motor - S1
650 m3/hr of airflow



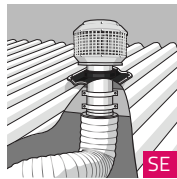
Light Cooking
Standard Motor - ST
900 m3/hr of airflow



Heavy Cooking
Single Power Motor - SP
1600 m3/hr of airflow



Supreme Cooking
Twin Power Motor - SP2
3000 m3/hr of airflow



Ultimate Cooking
Extreme Motor - SE
3200 m3/hr of airflow

7. Where can I find the rangehood and motor installation guides?

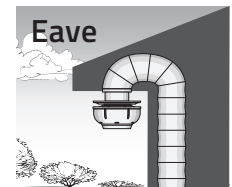
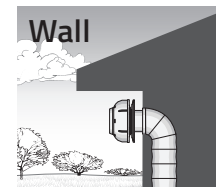
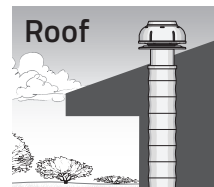
You can find the rangehood installation guide in the rangehood box and the motor installation guide in the motor box. Both these guides can also be found on our website under "Support."

8. Are the motors weatherproof? Can rain get in?

The IsoDrive motors are fitted with a clever water intrusion system; rain is prevented from entering the home as this patented technology effectively directs rain and water away from the housing and down the roof. Our motors have an IPX4 waterproof rating and are approved for use outside. (Please see the IsoDrive Manual for more information.)

9. Where can the IsoDrive motors be installed?

The IsoDrive motors can be mounted on the roof, on an external wall or under an eave depending on the suitability of your home's design.



Only applicable to the
Single Motor - S1 650m3/hr

10. What is the optimal distance/maximum distance required for the motor to be installed?

| Motor | Optimal Distance | Max Distance |
|---------------|------------------|--------------|
| IsoDrive 650 | 3 to 4 metres | 6 metres |
| IsoDrive 900 | 4 to 5 metres | 15 metres |
| IsoDrive 1600 | 5 to 6 metres | 15 metres |
| IsoDrive 3200 | 4 to 5 metres | 15 metres |

It is possible to mount the motor at distances less than the optimal distance and greater than the maximum distance; however, this may either increase the noise and/or reduce the air extraction. To ensure optimal performance keep the number of bends in the flexi duct to a minimum. The ducting must not be crushed, restricted or kinked, and must be pulled taut.

11. Is power required in the ceiling for the motor?

No. To connect Schweigen Silent Rangehoods only one normal GPO is required. The motor connects to the rangehood where there is a main power lead which connects to the general power outlet. The power outlet should be accessible for future maintenance.

12. How do you connect two motors to the one rangehood?

For twin motor configurations, the two motors can be either hard wired or connected using the appropriate double adaptor. (Check with local council regulations prior to install.)

13. Where does the power lead from the IsoDrive motor go? Inside or outside the PVC pipe? Inside or outside the flexi duct?

The power lead from the IsoDrive motor must go inside the PVC pipe, but outside the flexi duct. See rangehood and motor installation guides for more details.

14. Where does the reducer/adaptor go?

The reducer is mainly used for the IsoDrive 650 motors and goes on the 200mm rangehood outlet.

15. What is a back draught stopper? What does it do? Where does it go?

A back draught stopper/fin connects to the motor and is meant to help prevent outside air from entering the IsoDrive motor system when not in use. The system assists in reducing household energy costs all year round as it helps limit the amount of cold air entering and warm air escaping your home in winter. During summer the reverse is true; cold air is prevented from escaping up the ducting pipe just as warm air is prevented from entering the home.

The IsoDrive 1600 and BR500 motors both come standard with the back draught stopper. To purchase a back draught stopper for the IsoDrive 650 motor, please call our customer service number on 0800 200 510

16. Do the rangehoods have to be vented outside?

Yes. Most councils in New Zealand recommend that all ducted rangehoods be vented outside. Check with your local council to make sure.

17. What is included in the box for the Silent Rangehoods?

When you purchase a Schweigen Silent Rangehood you will receive a number of boxes depending on the motor system of your rangehood; one for the rangehood and flue and the other boxes for the motor and equipment. In the boxes, you will receive the following:

Rangehoods with 650 Motor

- Rangehood canopy
- IsoDrive 650 motor (with 3 metre 10 amp cable & standard 2 pin male plug)
- Fire resistant 110mm OD PVC Riser Pipe
- 150mm diameter Flexi Duct (4m)
- Adaptor ring (150mm duct to 110mm (OD) riser)
- Rangehood adaptor ring (200mm to 150mm)

Rangehoods with 900 Motor

- Rangehood canopy
- IsoDrive 900 motor (3 metre 10amp cable and standard 3 pin male plug)
- Fire resistant 160mm OD PVC Riser Pipe
- 200mm diameter Flexi Duct (6m)
- Adaptor ring (200mm duct to 160mm (OD) riser)

Rangehoods with 1600 Motor

- Rangehood canopy
- IsoDrive 1600 motor (3.3 metre 10amp cable and standard 3 pin male plug)
- Fire resistant 160mm OD PVC Riser Pipe
- 200mm diameter Flexi Duct (6m)
- Adaptor ring (200mm duct to 160mm (OD) riser)
- Weather guard
- Back draught stopper

Rangehoods with 3200 Motor

- Rangehood canopy
- IsoDrive 3200 motor (3.3 metre 10amp cable and standard 3 pin male plug)
- Fire resistant 250mm OD PVC Riser Pipe
- 250mm to 200mm Reducer
- 250mm Flexi Duct (4m)
- 200mm Flexi Duct (1.5m)

18. What is not included in the box? What else do I need for the install?

Although we aim to provide you with all the standard equipment you will require for your silent rangehood installation, there are some parts you may need to purchase externally as they are unique to every installation. Below are some common parts you may need:

- Dektite -Roof Seal Kit
- Bracing for the motor
- Ducting fixing straps
- Wall plate (IsoDrive 900,1600)
- Wall mounting kit (IsoDrive 3200)
- Mounting flange (isoDrive 1600)
- Back draught stopper (IsoDrive 650,900)
- Up-stand (For flat roofs)
- Wall hanging bracket (IsoDrive 1600)

19. What is required to install an IsoDrive 1600 motor when wall mounting?

It is a requirement to use a hanging bracket for a wall mount installation for the IsoDrive 1600. All IsoDrive motors can be wall mounted. Please refer to the manual for more information. Please note the hanging bracket is not included and needs to be purchased by contacting the Schweigen Service Department on 0800 200 510.

20. What is the warranty on Schweigen Silent Rangehoods?

10 yr warranty on the motor & 3 yr warranty on the canopy.

At Schweigen, we offer you the peace of mind of a 10 year warranty on the German-made motor (on all silent rangehoods equipped with the IsoDrive motor system). We also offer a 3 year warranty on the canopy, so you can rest assured your system will stand the test of time when you choose Schweigen.

21. What is the purpose of an "S" bend?

"S" bends help reduce air movement noise.

22. Why do you use flexi duct and not rigid/semi rigid duct?

The soft surface of flexi ducting softens the noise and as a result is quieter than any other type of ducting. Our flexi duct is also fire rated where others may not be.

23. Can I use a different type of ducting? Will this make the rangehood noisier?

The use of any other ducting types apart from flexi ducting will increase the noise and void the Schweigen silent system status.

24. Is the flexi duct fire rated?

Yes. Our flexi ducts are tested and comply with Australian Standards 4254, UL181 and is also rated 4-Zero as per AS1530 (1999).

25. What is the difference between mesh and baffle filters?

Mesh filters when compared to baffle filters have increased airflow and keep noise to a minimum. Baffle filters have a commercial look and are good for longevity.

26. Is it easy to clean the rangehood filters? How often do I need to clean them?

The filters are very easy to clean and can be washed by hand or in the dishwasher.

Washing by hand - Immerse the filter in hot water and a suitable detergent; when clean, rinse with plenty of hot water. Dry the filters with a cloth after washing, avoid leaving them to dry out by themselves.

Dishwasher - Put the filter in the dishwasher and select a short program at low-moderate temperature. (For baffle stainless steel filters you can use a higher temperature setting for a more thorough clean.) Do not leave filters in the dishwasher after washing to prevent rust.

Please note: Stainless steel filters lose shine after a few cleaning processes, this is normal.

Filters should be cleaned every 3-6 weeks or after 40 hours of use.

For induction cooktop, please aim to clean them at least every 10 days, depending on use.

27. What are the benefits of using LED lights?

LED (light emitting diode) lighting is very energy efficient. These lights generate very little heat which means almost all the energy they consume is turned into light. They also last a long time (about 50 times longer than your average incandescent bulb).

28. Why can condensation form on the rangehood filters while using induction cooktops?

The induction cooktop is designed to provide rapid heating, improved thermal efficiency and greater heat consistency. For some customers with an induction cooktop, condensation can form on their rangehood filters while using their cooktop.

The immediate and contained heat source of an induction cooktop can produce vapours rapidly. This prevents the filters from gradually warming up and increases the chance of condensation forming. There are many variables that can contribute to the condensation problem associated with induction cooktops and rangehoods. Some of these

variables include, but are not limited to:

- The region you live in (example, Auckland versus Christchurch, and the variables in daily temperatures)
- The position of your home and kitchen (morning/afternoon sun)
- The quality of pots and cookware you are using
- Height of rangehood
- Rapid heating
- Ducting angle
- Filter size

If induction, vitro-ceramic hobs and the like are not used correctly, they can lead to problems with the condensation of liquids due to temperature differences. After some time in use, these condensed liquids can build up and possibly appear on the metal filters or the bottom of the rangehood and cupboards.

It is important to understand that neither the rangehood nor the induction cooktop are faulty. In some circumstances, the combination of the rangehood, the induction cooktop, and the many variables within your home can lead to condensation forming on your rangehood filters. For user advice on how to reduce the chance of condensation forming on your rangehood please read our user guides.

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29. What is the recommended height from the cooktop to the rangehood?

The minimum safety installation distance between the top of a cooktop and the lowest part of the rangehood are as follows:

Minimum installation height for Electric and Gas Cooktops is 650mm.

For rangehoods 90cm wide or larger: Distances above 800mm can compromise the extraction performance.

For 60cm wide rangehoods: Distances above 750mm can compromise the extraction performance.

Suggested height above an Induction Cooktop is 720mm to 800mm.

Minimum installation height for a BBQ rangehood is 1200mm above the cooking surface. For fully enclosed outdoor kitchen areas, exceptions do apply. Please contact your nearest council.

30. What is the maximum height a ceiling rangehood can be installed from the cooktop?

There is no real maximum for ceiling heights from the cooktop for ceiling rangehoods, however keep in mind that heights above 1.2 to 1.5/1.6metres will make the rangehood less efficient / effective. The minimum height a ceiling rangehood must be fitted from the cooktop is 1.2m.

For information, orders & service contact:



Parex Industries Limited
Email: info.parex@emerson.co.nz
Phone: 0800 200 510

31. Can you install a Schweigen Silent Rangehood with the motor directly behind it?

Yes, it is possible to install a Schweigen silent rangehood with the motor directly behind it. However, please note that, although this will still be a very powerful and efficient system, it will no longer be a silent system as the motor is no longer installed at our minimum recommended distance. Refer to the website for installation examples.

32. Can you install a Schweigen Silent Rangehood in double storey houses?

Yes, it is possible to install a Schweigen silent rangehood in double storey houses. The IsoDrive motors can be mounted on an external wall or under an eave, depending on the suitability of your home's design. The IsoDrive 1600, however, is a large motor and is not designed for eave installation in many situations.

Please contact the Schweigen Service Department on 0800 200 510 for more information. You may also visit the link below for installation examples.

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The Schweigen logo, consisting of the word "schweigen" in a white, lowercase, sans-serif font, centered within a solid red rectangular background.

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