



Installation guide

“SBF” & “SPBF” series Bathroom fan

Models: SBF050 – SBF070 – SBF090 – SBF120 – SPBF050 – SPBF070



⚠ WARNING ⚠ WARNING ⚠ WARNING ⚠ WARNING ⚠

Before installing and operating this product, the user and/or installer must read, understand and follow these instructions and keep them handy for future reference. If these instructions are not followed, the warranty will be considered null and void and the manufacturer deems no further responsibility for this product.

This product must be installed by a **qualified person** and connected by a **certified electrician**, according to the electrical and building codes effective in your region.

The following instructions must be adhered to in order to avoid personal injuries or property damages, serious injuries and potentially fatal electric shocks.

Switch off the power at the circuit breaker/fuse before installing, repairing and cleaning the unit.

Make sure the unit is appropriate for the intended use (if needed, refer to the product catalog or a representative).

If the installer or the user modifies the unit, they will be held responsible for any damage resulting from this modification and the ETL certification could be void.

This unit must not be installed in wet locations such as, but not limited to, a shower.

When cutting or drilling into a wall or ceiling, do not damage electrical wiring and other hidden utilities.

To ensure proper air exhaust and to reduce the risk of fire, make sure all exhaust ducts lead outside. Do not exhaust air into walls, ceilings, attics, crawl spaces or garages.

Use a specially designed dimmer to control fan speed.

Sufficient air is needed for proper combustion and exhausting of gases to prevent back drafting.

For general ventilating use only. Do not use to exhaust hazardous or explosive materials and vapours.

BEFORE YOU BEGIN

Ductwork may have a direct impact on fan performance. Therefore, we are proposing the following recommendations.

Ducts

We highly recommend the use of rigid ducts. Flexible ducts increase air restriction, resulting in poor fan performance and increased noise levels (sones). If flexible ducts must be used, they should be stretched as much as possible to avoid sagging.

GOOD PERFORMANCE – PVC and galvanized steel ducts: these types of ducts greatly reduce static pressure* resulting in optimum airflow. The fan will not have to work as hard to ventilate, using less energy as a result. The noise levels will be at their lowest.

MEDIUM PERFORMANCE – Flexible aluminum ducts: an affordable option that ensures good fan performance. However, the ridges on these types of ducts restrict airflow, compromising performance levels.

POOR PERFORMANCE – Vinyl ducts: these types of ducts are low-priced, but have a lot of ridges. Moreover, their flexible construction restricts airflow, resulting in higher noise levels.

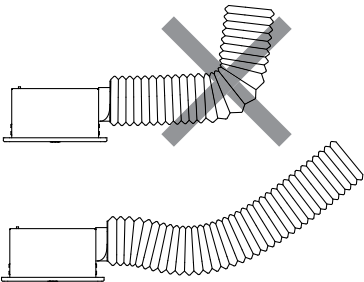
* Static pressure: airflow resistance that must be overcome by the fan to induce air movement.

Elbows








An ideal installation would have no elbow at all, but since most realistic applications require 1, 2 or even 3 elbows, we recommend the following instructions.

The first elbow must be installed at least 70 cm (27 1/2 in) from the fan and have a wide angle to facilitate airflow.

An elbow installed too close to the fan or having a sharp angle (90 degrees or less) could cause a backflow of air into the fan.




COMPONENTS

						
Housing	Grille	Motor*	Back draft damper*	Cable clamp	Wood screw #10 1 in (x2)	Wire connectors (x3) (marettes)

*If the fan is not preassembled, refer to appendix 1.

TOOLS

	<ul style="list-style-type: none">• Measuring tape• Phillips screwdriver• Flat head screwdriver• Robertson screwdriver• Drill (optional)
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INSTALLATION

Note: The fan can be wall-mounted. However, this installation could impede the proper operation of the back draft damper and, therefore, the unit's performance.

1	PREPARATION
	Before proceeding to the installation, plan ahead by taking into consideration the required clearances, ductwork and electrical wiring involved. Make sure it will not impact on the existing wiring.
2	SPACING
	The fan can be installed on a joist or truss. It can exceed the lower part of the joist or truss by 1/2 in or be level with it.

3 SECURING THE FAN

1. Locate the joist or truss.
2. On the joist or truss, mark the place where the screws will be secured.
3. Secure the bottom screws first (Fig. 3.1 and 3.2).
4. Secure the top screws (Fig. 3.3).

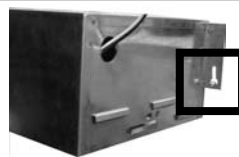


Fig. 3.1



Fig. 3.2



4 ELECTRICAL WIRING

WARNING

A) Before installing, switch off the appropriate circuit breaker/fuse in the electrical service panel.

B) The installation must comply with local and national electrical codes.

C) The appliance must be installed by a certified electrician.

D) The unit must be properly grounded.

E) The white (neutral) wires as well as the black (hot) wires must be properly connected.

- 1- Remove wiring compartment cover and pry out the appropriate knock-out. The cable clamp (included) must be inserted through the knock-out hole.
- 2- Using the cable clamp, run a cable from the wall switch (not included) into the fan wiring compartment.
- 3- Using a connector, attach the green wire coming from the fan to the bare wire (ground) coming from the wall switch.
- 4- Using connectors, attach the fan wires located inside the fan wiring compartment to the matching wires coming from the wall switch; black to black (hot); white to white (neutral). (Fig. 4.2)
- 5- Replace the wiring compartment cover and secure it with screws.

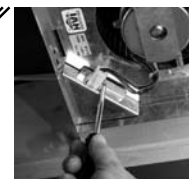
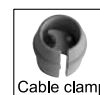


Fig. 4.1



Cable clamp

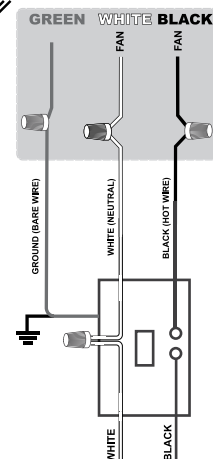


Fig. 4.2

5 CONNECTING THE DUCTWORK

Connect the duct to the adaptor and secure the junction with duct tape or a duct clamp (not included). Slant the duct away from the fan to avoid condensation running back into the fan housing. For attic installations, you should use insulated ducts to reduce condensation.

IMPORTANT

- Ductwork must comply with local building codes.
- Ductwork from the fan should always vent to the outdoors through either an exterior wall or roof.
- To maximize airflow, keep duct length and elbows to a minimum.



Fig. 5.1

6 GRILLE INSTALLATION

Squeeze the two (2) mounting springs and slide them into the two (2) slots located on the opposite sides of the fan housing




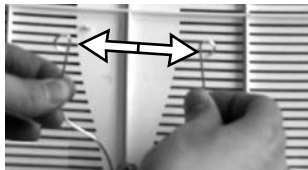
Fig. 6.1

Push the grille in place.



Fig. 6.2

TROUBLESHOOTING

Noisy fan	Fan not working	Mounting springs do not hold the grille firmly in place
<ul style="list-style-type: none"> • Check ductwork <ul style="list-style-type: none"> - Ensure that bents in ductwork are kept to a minimum. - Junction between the back draft damper and the duct must be airtight. - In the case of a flexible duct, ensure that it is not sagging. • Elbows angle must be greater than 90 degrees. • Ensure that the outside hood is not blocked. 	<ul style="list-style-type: none"> • Check for improper electrical wiring. • Check that circuit breaker is in the ON position 	<p>Make sure the mounting springs were inserted into their respective slots.</p>  <p>If the mounting springs are inserted into their respective slots and the grille does not hold firmly in place, then increase their tension by bending the 2 legs of each spring outward.</p> 

Limited warranty

This limited warranty is offered by Stelpro Design inc. ("Stelpro") and applies to the following product made by Stelpro: model SBF. **Please read this limited warranty carefully.** Subject to the terms of this warranty, Stelpro warrants its products and their components against defects in workmanship and/or materials for the following periods from the date of purchase: **1 year**. This warranty applies only to the original purchaser; it is non-transferable and cannot be extended.

Claim procedure

If at any time during the warranty period the unit becomes defective, you must cut off the power supply at the main electrical panel and contact 1) your installer or distributor, 2) your service center or 3) Stelpro's customer service department. In all cases, you must have a **copy of the invoice** and provide the **information written on the product nameplate**. Stelpro reserves the right to examine or to ask one of its representatives to examine the product itself or any part of it before honoring the warranty. Stelpro reserves the right to replace the entire unit, refund its purchase price or repair a defective part. Please note that repairs made within the warranty period must be authorized in advance in writing by Stelpro and carried out by persons authorized by Stelpro.

Before returning a product to Stelpro, you must have a Stelpro authorization number (RMA). To obtain it, call the customer service department at: **1-800-363-3414** (electricians and distributors - French), **1-800-343-1022** (electricians and distributors - English), or **1-866-766-6020** (consumers). The authorization number must be clearly written on the parcel or it will be refused.

Conditions, exclusions and disclaimer of liability

This warranty is exclusive and in lieu of all other representations and warranties (except of title), expressed or implied, and Stelpro expressly disclaims and excludes any implied warranty of merchantability or implied warranty of fitness for a particular purpose.

Stelpro's liability with respect to products is limited as provided above. Stelpro shall not be subject to any other obligations or liabilities whatsoever, whether based on contract, tort or other theories of law, with respect to goods or services furnished by it, or any undertakings, acts or omissions relating thereto. Without limiting the generality of the foregoing, Stelpro expressly disclaims any liability for property or personal injury damages, penalties, special or punitive damages, damages for lost profits, loss of use of equipment, cost of capital, cost of substitute products, facilities or services, shutdowns, slowdowns, or for other types of economic loss or for claims of a dealer's customers or any third party for such damages. Stelpro specifically disclaims all consequential, incidental and contingent damages whatsoever.

This warranty does not cover any damages or failures resulting from: 1) a faulty installation or improper storage; 2) an abusive or abnormal use, lack of maintenance, improper maintenance (other than that prescribed by Stelpro) or a use other than that for which the unit was designed; 3) a natural disaster or an event out of Stelpro's control, including, but not limited to, hurricanes, tornadoes, earthquakes, terrorist attacks, wars, overvoltage, flooding, water damages, etc. This warranty does not cover any accidental or intentional losses or damages, nor does it cover damages caused by negligence of the user or owner of the product. Moreover, it does not cover the cost of disconnection, transport, and installation.

The warranty is limited to the repair or the replacement of the unit or the refund of its purchase price, **at the discretion of Stelpro**. Any parts replaced or repaired within the warranty period with the written authorization of Stelpro will be warranted for the remainder of the original warranty period. This warranty will be considered null and void and Stelpro will have the right to refuse any claims if **products have been altered** without the written authorization of Stelpro and if the nameplate numbers have been removed or modified. This warranty does not cover scratches, dents, corrosion or discoloration caused by excessive heat, chemical cleaning products and abrasive agents. It does not cover any damage that occurred during the shipping.

Some states and provinces do not allow the exclusion or limitation of incidental or consequential damages and some of them do not allow limitations on how long an implied warranty lasts, so these exclusions or limitations may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state or from province to province.

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CONFORMS TO UL STD 507
CERTIFIED TO CSA STD 22.2 NO.113
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